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# **REPORTS**

**DATE:**  
**2001**

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**Tipperary**  
CORPORATION

**Tipperary Corporation  
September 2001  
Sampling Results  
Annual Report**

**RECEIVED**

**NOV 16 2001**

**ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION**



**Whole Earth Environmental  
19606 San Gabriel  
Houston, Tx. 77084**



## **Executive Summary**

### **Tipperary Corporation**

### **Water Monitoring Program**

#### **Site History**

In response to a request by a 1996 request by the NMOCD, Tipperary Corporation began a program to close a series of ten surface impoundments located within their Bagley Field west of Tatum, New Mexico. The closure program consisted of excavating the impoundments and encapsulating the contaminant plume within high-density polyethylene. As part of the closure program, a groundwater investigation was conducted at each site. The investigation concluded that due to the relatively shallow depth to the surface of the aquifer, each site impacted the Ogallala Aquifer to varying degrees.

The remediation plan included passive monitoring of those sites showing no free product on the water table and active fluid removal by means of the erection of windmills at three sites found to have more significant concentrations. A series of water monitoring wells were placed down gradient of each location. Each such well has been sampled and tested on a quarterly basis with the results of each laboratory analyses provided to the NMOCD on an annual basis. To date, two sites have been remediated to closure and a third is pending final approval.

#### **Individual Site Descriptions**

##### **Iva COM**

The Iva site includes a recovery well. Criteria contaminant concentrations within the well have shown a 94% reduction since installation and a 48% reduction over the past year. A review of the test results over the past three years indicates that the contaminant concentrations appear to be reduced at the rate of approximately 50% per year. If the trend continues, the concentrations will be within NMWQCC standards within the next two years. Two down gradient monitor wells at the site have never shown concentrations in excess of standards.

##### **Mable COM**

The Mable site includes a recovery well. Criteria contaminant concentrations within the well have shown a 73% reduction since installation and a 50% reduction over the past year. The primary contaminant compounds within this well are benzene and xylene. Only the xylene and ethylbenzene fractions have shown any significant improvement over previous sampling periods within the source well. Both down-gradient monitor wells generally fall within NMWQCC standards but are subject to periodic spikes in all tested fractions. LNAPL's are present within both monitor wells but appear to have

the viscous appearance and odor characteristics of fatty acids resulting from the aerobic degradation of hydrocarbons.

**Bell State "A"**

This site has no active recovery well but does contain a series of four monitor wells. The criteria contaminant concentrations within these wells have collectively dropped 92% from the initial concentrations however have shown no significant improvement over the past year. Benzene is the only fraction falling outside of NMWQCC standards.

**NBF**

This site has no active recovery well but does contain a series of four monitor wells. The criteria contaminant concentrations within these wells have collectively dropped 16% from the initial concentrations however have shown no significant improvement over the past year. Monitor wells nos. 15 and 16 continue to show elevated benzene concentrations and occasional spikes of xylene.

**G.S. State**

The G.S. site has an active recovery well and four down gradient monitor wells. The contaminant concentrations within the recovery well have been reduced by 78% over the life of the installation however the concentrations within the monitor wells have remained somewhat static. We introduced a program last year of installing absorbent socks within those wells having LNAPL's. The program did show significant reductions within those bores in which they were used however the BTEX concentrations came back to previous levels when their use was discontinued.

**Sohio # 1**

This site has no active recovery well but does contain a series of five monitor wells. The general trend within these wells is for an overall reduction in BTEX values-especially if the most recent results within Monitor Well # 18 are ignored due to our inability to bail a sufficient volume of fluids as a result of silting. Once again the absorbent sock program introduced last year proved effective until discontinued.

**Sohio "A"**

This site has no active recovery well but does contain a series of five monitor wells. The site has a gradient of .58' per 100' distance and may be considered quite static hydrologically. The BTEX concentrations have once again increased with the cessation of the absorbent sock program.



QP-78

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## WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

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### **Procedure for Obtaining Water Samples (Cased Wells) Using Enviro-Tech ES-60 Pump**

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Completed By:

Approved By:

Effective Date: / /

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#### **1.0 Purpose**

This procedure outlines the methods to be employed in obtaining water samples from cased monitoring wells.

#### **2.0 Scope**

This procedure shall be used for developed, cased water monitoring wells. It is not to be used for standing water samples such as ponds or streams.

#### **3.0 Preliminary**

3.1 Obtain sterile sampling containers from the testing laboratory designated to conduct analyses of the water. The shipment should include a Certificate of Compliance from the manufacturer of the collection bottle or vial and a Serial Number for the lot of containers. Retain this Certificate for future documentation purposes.

3.2 The following table shall be used to select the appropriate sampling container, preservative method and holding times for the various elements and compounds to be analyzed.

<b>Compound to be Analyzed</b>	<b>Sample Container Size</b>	<b>Sample Container Description</b>	<b>Cap Requirements</b>	<b>Preservative</b>	<b>Maximum Hold Time</b>
BTEX	40 ml.	VOA Container	Teflon Lined	HCl	7 days
TPH	1 liter	clear glass	Teflon Lined	HCl	28 days
PAH	1 liter	clear glass	Teflon Lined	Ice	7 days
Cation / Anion	1 liter	clear glass	Teflon Lined	None	48 Hrs.
Metals	1 liter	HD polyethylene	Any Plastic	Ice / HNO <sub>3</sub>	28 Days
TDS	300 ml.	clear glass	Any Plastic	Ice	7 Days

#### **4.0 Chain of Custody**

- 4.1 Prepare a Sample Plan. The plan will list the well identification and the individual tests to be performed at that location. The sampler will check the list against the available inventory of appropriate sample collection bottles to insure against shortage.
- 4.2 Transfer the data to the Laboratory Chain of Custody Form. Complete all sections of the form except those that relate to the time of delivery of the samples to the laboratory.
- 4.3 Pre-label the sample collection jars. Include all requested information except time of collection. (Use a fine point Sharpie to insure that the ink remains on the label). Affix the labels to the jars.

#### **5.0 Bailing Procedure**

- 5.1 Identify the well from the site schematics. Place pre-labeled jar(s) next to the well. Remove the bolts from the well cover and place the cover with the bolts nearby. Remove the plastic cap from the well bore by first lifting the metal lever and then unscrewing the entire assembly.
- 5.2 Lower the ES-60 pump into the monitor well bore taking care to insure that the pump and first 10' of hose and cable does not touch the ground or become cross-contaminated by contact with anything containing hydrocarbon residues. When the pump reaches the bottom of the well bore you will feel the hose and cable assembly go slack. Lift the pump a minimum distance of 18" above the bottom of the well bore and clamp the hose assembly to the top of the well bore by means of vice grips. (Take care to insure that the vice grips are adjusted so as not to "choke" the hose).
- 5.3 Attach the electrical cable leads to an automobile battery and begin pumping the well bore. If the pump does not bring fluid to the surface within one minute, disconnect the electrical leads, and re-connect for four seconds three times to remove air cavitation.
- 5.4 The pump has a minimum volume of 2.8 gallons per minute at 60'. Purge the well by pumping for a minimum of 10 minutes before taking a sample.

#### **6.0 Sampling Procedure**

- 6.1 Once the well has been bailed in accordance with 5.2 of this procedure, a sample may be decanted into the appropriate sample collection jar directly from the bailer. The collection jar should be filled to the brim. Once the jar is sealed, turn the jar over to detect any bubbles that may be present. Add additional water to remove all bubbles from the sample container.

- 6.2 Note the time of collection on the sample collection jar with a fine Sharpie.
- 6.3 Place the sample directly on ice for transport to the laboratory. The preceding table shows the maximum hold times between collection and testing for the various analyses.
- 6.4 Complete the Chain of Custody form to include the collection times for each sample. Deliver all samples to the laboratory.

#### **7.0 Decontamination**

- 7.1 After removing the pump from the well, use an aerosol spray pump bottle filled with denatured isopropyl alcohol to clean the pump and first 10' of the cable and hose assembly. Rinse the sprayed portion with distilled water to remove the alcohol and dry with a clean rag. Discard the rag after each use. During transport, the pump assembly should be carried in a 2" PVC protective sleeve.

#### **8.0 Documentation**

- 8.1 The testing laboratory shall provide the following minimum information:
  - A. Client, Project and sample name.
  - B. Signed copy of the original Chain of Custody Form including data on the time the sample was received by the lab.
  - C. Results of the requested analyses
  - D. Test Methods employed
  - E. Quality Control methods and results

**Tipperary Corporation**  
**Tatum Bagley Field**  
**Monitor Well Depth to Water Chart**

Well Name	Well No.	Water Depth 8/9/99	Water Depth 10/21/99	Water Depth 1/8/00	Water Depth 4/13/00	Water Depth 7/20/00	Water Depth 9/26/00	Water Depth 1/5/01	Water Depth 4/5/01	Water Depth 7/5/01	Water Depth 9/26/01
Iva COM	Source Well										
	1	48.8	51.8	51.7	51.6	51.7	51.8	51.8	51.7	51.8	51.7
Mable COM	Source Well										
	2	49.2	51.5	51.4	51.5	51.6	51.7	51.8	51.7	51.8	51.8
Bell State	Source Well										
	3	48.8	52.5	52.4	53.7	53.7	53.7	51.6	51.7	51.8	51.9
NBF	4	48.6	51.8	51.6	52.8	51.8	51.8	51.8	51.7	51.6	51.6
	6	42.1	43.0	51.6	44.3	44.4	44.5	44.6	44.5	44.4	44.3
Sohio A	13	40.8	43.7	43.7	44.0	43.9	44.0	44.1	44.0	44.0	43.9
	14	43.0	43.5	44.2	44.2	44.3	44.2	44.3	44.2	44.1	44.1
Sohio #1	25	43.5	43.5	43.9	44.0	44.0	44.0	44.2	44.0	43.9	43.8
	8	35.8	35.8	36.1	37.1	35.6	35.9	36.1	36.1	36.1	36.0
G.S. State	15	34.8	37.0	37.1	37.9	37.5	36.3	36.3	36.1	36.2	36.0
	16	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.1	36.2	36.0
G.S. State	26	34.8	34.6	34.9	35.9	35.1	35.2	35.2	35.4	35.6	35.8
	11	38.3	38.5	37.8	38.3	38.3	38.8	38.7	37.5	36.8	35.6
G.S. State	19	32.5	35.2	37.9	38.2	38.3	38.4	38.4	38.4	38.4	38.3
	20	38.0	38.7	38.0	38.4	38.5	38.4	38.5	38.5	38.6	38.6
G.S. State	27	36.8	38.2	37.9	38.2	38.1	38.6	38.7	38.5	38.3	38.1
	31	37.5	38.9	39.7	38.5	38.5	38.1	38.4	38.6	38.6	38.8
G.S. State	10	44.5	44.9	43.9	44.2	45.0	44.9	45.1	45.0	45.0	44.9
	17	44.0	44.5	44.4	44.7	44.5	44.7	44.8	44.6	44.5	44.4
G.S. State	18	43.8	44.1	45.4	46.4	45.7	45.4	45.8	46.0	45.9	46.6
	28	35.0	44.2	45.8	44.9	44.9	45.1	45.1	45.2	45.0	45.0
G.S. State	30	45.3	44.1	44.2	44.8	44.3	44.3	44.3	44.2	44.3	44.2
	Source Well										
G.S. State	12	42.8	42.9	44.1	43.2	44.7	44.2	44.2	44.6	44.8	45.1
	21	43.3	43.7	43.9	44.0	44.2	44.3	44.3	44.2	44.3	44.2
G.S. State	22	43.5	43.9	44.0	44.0	44.0	44.1	44.2	44.2	44.1	44.1
	29	44.0	44.3	44.2	44.3	44.7	44.7	44.7	44.5	44.6	44.4

**Tipperary Corporation**  
**Tatum Bagley Field**  
**Monitor Well Gradient Chart**

Well Name	Well No.	Surface Elevation	Water Elevation	Distance to Pit Center	Gradient (Ft. / Ft.)	Gradient (Ft. / 100Ft.)
Iva COM	Source Well	4,298.42	4,246.42			
	1	4,292.10	4,237.20	115.00	0.080174	8.02
	2	4,291.93	4,238.93	140.00	0.053500	5.35
Mable COM	Source Well	4,290.55	4,238.55			
	3	4,287.22	4,235.22	148.00	0.022500	2.25
	4	4,287.86	4,235.46	160.00	0.019313	1.93
Bell State	6	4,281.12	4,230.12	93.00	0.021183	2.12
	13	4,280.84	4,233.04	51.00	0.044118	4.41
	14	4,280.80	4,232.50	47.00	0.048723	4.87
NBF	25	4,280.37	4,232.97	154.00	0.017662	1.77
	8	4,259.41	4,211.41	165.00	0.045152	4.52
	15	4,259.68	4,212.68	198.00	0.036263	3.63
Sohio A	16	4,259.06	4,211.96	247.00	0.031579	3.16
	26	4,258.04	4,215.04	387.00	0.022791	2.28
	11	4,285.88	4,235.88	115.00	0.011835	0.83
Sohio # 1	19	4,285.97	4,237.27	164.00	0.005305	0.53
	20	4,285.96	4,236.46	151.00	0.005822	0.58
	27	4,285.61	4,245.61	264.00	0.004659	0.47
G.S. State	31	4,283.54	4,246.09	624.00	0.005288	0.53
	10	4,283.63	4,233.63	110.00	0.016273	1.63
	17	4,283.31	4,233.91	262.00	0.000805	0.81
	18	4,283.59	4,234.99	176.00	0.010398	1.04
	28	4,283.21	4,236.96	552.00	0.004004	0.40
	30	4,281.13	4,235.82	776.00	0.005528	0.55
	Source Well	4,307.00	4,259.00			
	12	4,303.27	4,255.27	52.00	0.071731	7.17
	21	4,303.08	4,255.08	151.00	0.025960	2.60
	22	4,302.77	4,255.27	148.00	0.025203	2.52
	29	4,303.20	4,254.14	295.00	0.016475	1.65



### Calculation for Determining the Minimum Bailing Volume for Monitor Wells

$$\text{Formula } V = (\pi r^2 h)$$

V= volume

$\pi$ = pi

r= inside radius of the well bore

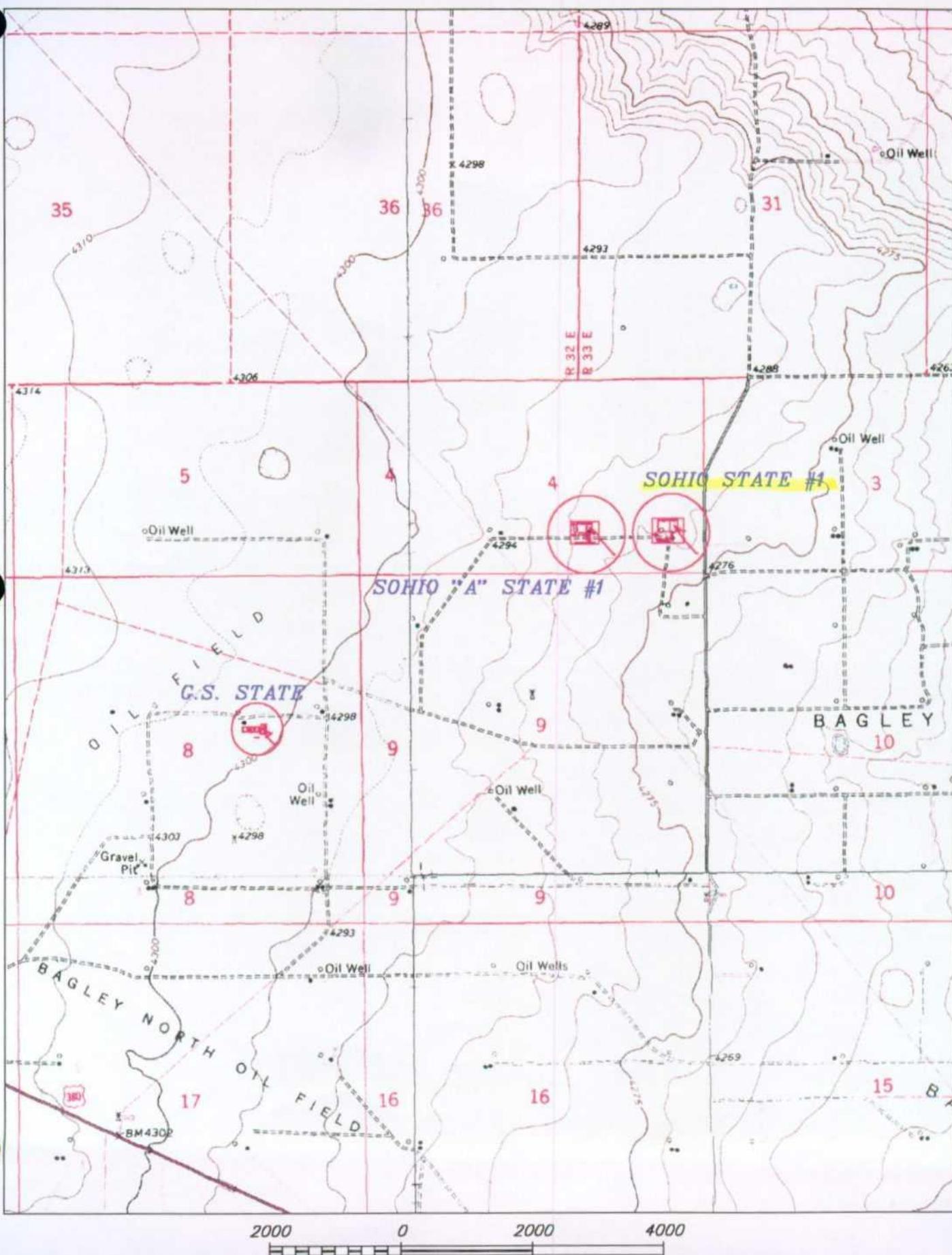
h= maximum height of well bore in water table

$\pi$	$r^2$	h (in)	V (cu. in)	V (gal)	X 3 Volumes	Actual
3.1416	1	180	565.488	2.448	7.344	>10

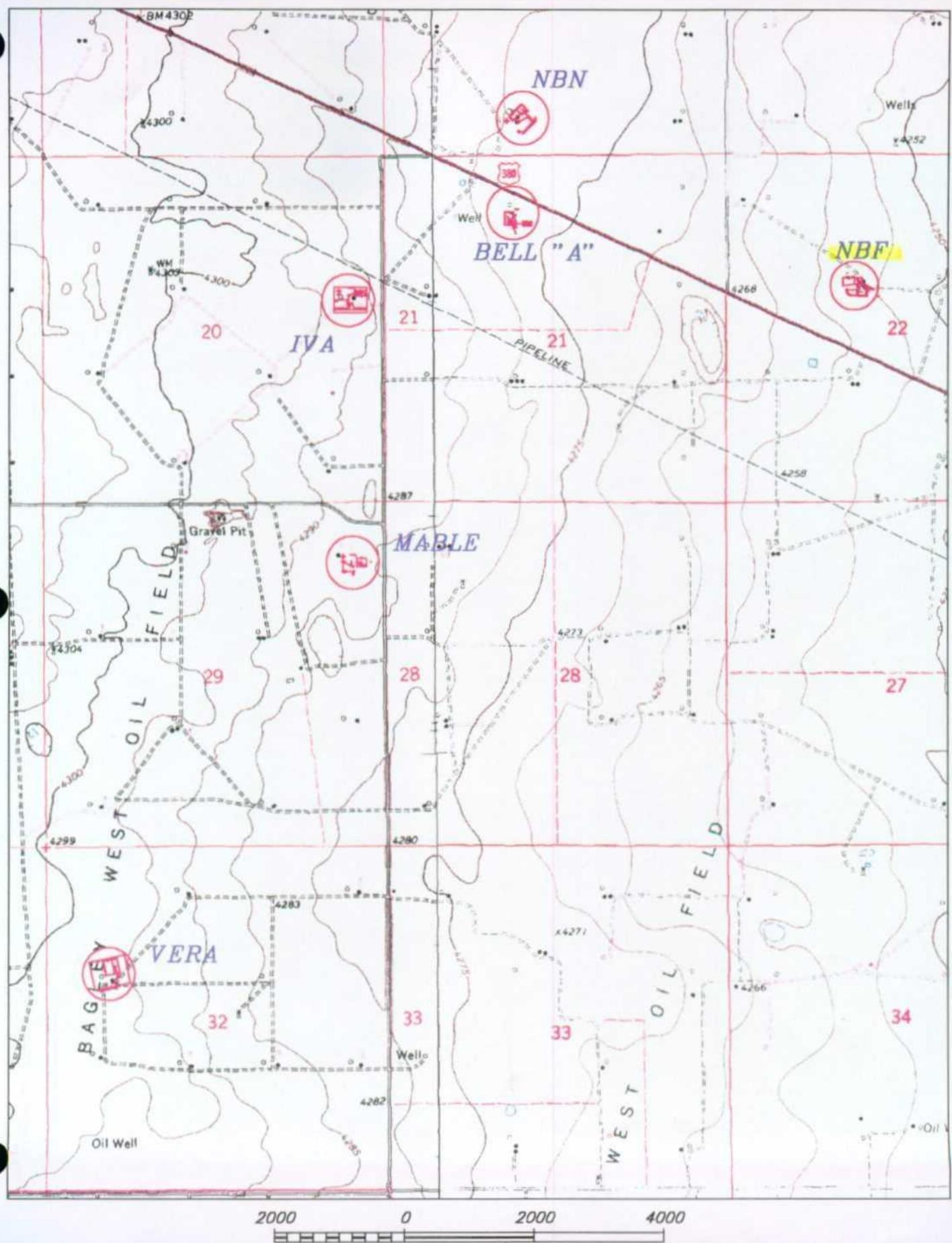
**Tipperary Corporation**  
**Tatum Bagley Field**  
**LPNAL / DNAPL Depth Chart**

Well Name	Well No.	LNAPL Top	LNAPL Bottom	LNAPL Thickness	DNAPL Top	DNAPL Bottom
Iva COM	Source Well					
	1	N/A	N/A	N/A	N/A	N/A
	2	N/A	N/A	N/A	N/A	N/A
Mable COM	Source Well					
	3	51.90	52.60	0.70	N/A	N/A
	4	51.60	51.90	0.30	N/A	N/A
Bell State	6	N/A	N/A	N/A	N/A	N/A
	13	N/A	N/A	N/A	N/A	N/A
	14	N/A	N/A	N/A	N/A	N/A
	25	N/A	N/A	N/A	N/A	N/A
NBF	8	N/A	N/A	N/A	N/A	N/A
	15	36.00	36.15	0.15	N/A	N/A
	16	36.00	36.15	0.15	N/A	N/A
	26	N/A	N/A	N/A	N/A	N/A
Sohio A	11	35.60	36.20	0.60	N/A	N/A
	19	38.30	38.70	0.40	N/A	N/A
	20	38.60	38.70	0.10	N/A	N/A
	27	N/A	N/A	N/A	N/A	N/A
	31	N/A	N/A	N/A	N/A	N/A
Sohio # 1	10	44.90	45.00	0.10	N/A	N/A
	17	44.40	44.55	0.15	N/A	N/A
	18	46.60	46.70	0.10	N/A	N/A
	28	N/A	N/A	N/A	N/A	N/A
	30	N/A	N/A	N/A	N/A	N/A
G.S. State	Source Well					
	12	45.10	46.20	1.10	N/A	N/A
	21	44.20	45.10	0.90	N/A	N/A
	22	44.10	44.90	0.80	N/A	N/A
	29	44.40	44.55	0.15	N/A	N/A

**WHOLE EARTH ENVIRONMENTAL, INC.**



# WHOLE EARTH ENVIRONMENTAL, INC.



**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**

Elliott Werner

Elliott Werner  
1 hole Easter

Project Manager

Company Name

City/State/Zip:

Telephone No.

854-4358

**Sampler Signature:**

EXPLANATION

**Company Address:**

Project Name: Tifferry  
Project #: Quarterly Sample Survey

Analyze For:		FIELD CODE		RUSH TAT (Pre-Schedule)	
TCLP	TOTAL				
		No. of Containers	2	Time Sampled	4:pm 1-10-01
		Date Sampled			
		Preservative			
	X	HCl			
	X	HNO <sub>3</sub>			
		NaOH			
		H <sub>2</sub> SO <sub>4</sub>			
		None			
		Other (Specify)			
		Soil			
		Sludge			
	X	Water			
		Other (Specify)			
		None			
		NaOH			
		H <sub>2</sub> SO <sub>4</sub>			
		Other (Specify)			
		Soil			
		Sludge			
		Water			
		Other (Specify)			
		TDS / CL / SAR / EC			
		TPH TX 1005/1006			
		TPH 8015M GRD/DRD			
		Metals: As Ag Ba Cd Cr Pb Hg Se			
		Volatileles			
		Semivolatiles			
		BTEX 8021B/5030			
		X			

### **Special Instructions:**

Renounced by \_\_\_\_\_ Date \_\_\_\_\_ Received by \_\_\_\_\_

by:

1

Date \_\_\_\_\_

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Relinquished by:	Date	Time	Received by:	Date	Time
<i>J. L. Johnson</i>	1/1/61	9:45 AM	<i>E. C. Elliott</i>	1/1/61	9:45 AM

Environmental Lab of Texas, Inc.

12600 West U.S. 80 East  
Odessa, Texas 79763

Phone: 915-563-1800  
Fax: 915-563-1713

**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Fax: 915-563-1713

Project Manager: Elliott Wiesener  
Company Name: Whole Earth SUV

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Company Name

Company Address:

**City/State/Zip:**

Telanhane No.

Gammel Signatur

Age:	Eliot Weener
Name:	Whole Earth Gov
Address:	
City/Zip:	
Phone No.:	000-0000
Father's Name:	John O.

## TIPPECANOE

Project Name:

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RUSH TAT (Pre-Schedule)									
Analyze For:									
	TCLP	TOTAL							
Preservative									
None									
HCl									
HNO <sub>3</sub>									
NaOH									
H <sub>2</sub> SO <sub>4</sub>									
Other (Specify)									
Soil									
Water									
Sludge									
Other (Specify)									
TDS / CL / SAR / EC									
TPH TX 1005/1006									
TPH 8015M GRO/DRO									
Metals: As Ag Ba Cd Cr Pb Hg Se									
Semi-volatile									
BTEX 8021B/5030									
Analytical Method									
Sample Condition at Receipt									
Temperature Upon Receipt									
Laboratory Comments									
Date Sampled									
Time Sampled									
No. of Containers									
FIELD CODE									
36132	MW	3	1/5	8:25	2	✓			
36133	MW	1	1/5	9:00am	2	✓			
36134	MW	2	1/5	8:45am	2	✓			
36135	MW	4	1/5	10:10am	2	✓			
36136	MW	6	1/5	9:00am	2	✓			
36137	MW	9	1/5	3:00pm	2	✓			
36138	MW	12	1/5	11:25am	2	✓			
36139	MW	13	1/5	9:53am	2	✓			
36140	MW	14	1/5	10:00am	2	✓			
Special Instructions:									
Relinquished by:									
Received by ELOR:									
Date	1/10/01	Time	11:00am	Date	1/10/01	Time	11:00am	Date	1/10/01
Date		Time		Date		Time		Date	

# Environmental Lab of Texas, Inc.

Phone: 915-563-1800  
Fax: 915-563-1713

12600 West I-20 East  
Odessa, Texas 79763

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Elliott Weener

Company Name Whole Earth Environmental

Company Address:

City/State/Zip:

Telephone No.:

Sampler Signature: Bethel

Project Name: TIPPOAR ✓

Project #: \_\_\_\_\_

Project Loc: \_\_\_\_\_

PO #: \_\_\_\_\_

Fax No: \_\_\_\_\_

Fax No: \_\_\_\_\_

LAB # (Site, Date)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative	Matrix	Analyze For:			RUSH TAT (Pre-Schedule)				
							TCLP	TOTAL	Other (Specify)	Soil	Sediment	Volatile	Semivolatiles	Metals: As Ag Ba Cd Cr Pb Hg Se
36142	MW 11	1/5	12:40	2										
36143	MW 10	1/5	1:30	2										
36144	MW 24	1/5	2:10	2										
36145	MW 15	1/5	10:30	2										
36146	MW 24	1/5	10:45	1										
36147	MW 8	1/5	10:20	2										
36148	MW 20	1/5	12:30	2										
36149	MW 14	1/5	2:00	2										
36150	MW 21	1/5	11:55	2										
36151	MW 23	1/5	3:10	2										

Special Instructions:  
 Being prepared by: Bethel Date: 1/10/01 Time: 11:20 AM Received by: \_\_\_\_\_  
 Relinquished by: Bethel Date: \_\_\_\_\_ Time: \_\_\_\_\_

Date	Time	Received by	Date	Time
01-10-01	11:20 AM	_____	01-10-01	_____

Sample Cleanliness Initials: BB Test Complete Upon Receipt: BB Laboratory Comments: BB



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**

EUGENE WENGER  
WITNESS SAINT LNU.

Company Name

Whole Earth + Guy

Telephone No:

Scanner Signature:

### Special Instructions

Temperature Upon Receipt				Temperature Upon Delivery			
Laboratory Comments:				Comments:			
Refurnished by:	Date	Time	Received by:	Date	Time	Comments:	Date
<i>J. B.</i>	1/10	11:35				<i>Same manner</i>	01-10-01 11:35

# LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TIPPERARY  
ATTN: MR. VICTOR A. VICE  
P.O. BOX 857  
TATUM, N.M. 88267  
FAX: 505-398-6510  
FAX: 281-646-8996

Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ 4.0 deg. C  
Project #: Quarterly Sampling  
Project Name: Tipperary  
Project Location: None Given

Sampling Date: 01/10/01  
Receiving Date: 01/11/01  
Analysis Date: 01/11/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
36195	IUA Com. Source Well	0.533	0.168	0.015	0.067	0.044

%IA	87	87	86	91	88
%EA	86	87	87	93	91
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle  
Raland K. Tuttle

1-11-01  
Date

# LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TIPPERARY  
ATTN: MR. VICTOR A. VICE  
P.O. BOX 857  
TATUM, N.M. 88267  
FAX: 505-398-6510  
FAX: 281-646-8996

Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ 2.5 deg. C  
Project #: None Given  
Project Name: Tipperary  
Project Location: None Given

Sampling Date: 01/05/01  
Receiving Date: 01/10/01  
Analysis Date: 01/11/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
36132	MW 3	<0.010	1.21	1.21	5.50	0.894

%IA	87	87	86	91	88
%EA	86	87	87	93	91
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Armando O. Gomez  
Armando O. Gomez

1-16-01  
Date

# LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TIPPERARY  
 ATTN: MR. VICTOR A. VICE  
 P.O. BOX 857  
 TATUM, N.M. 88267  
 FAX: 505-398-6510  
 FAX: 281-646-8996

Sample Type: Water

Sample Condition: Intact/ Iced/ HCl/ 2.5 deg. C

Project #: None Given

Project Name: Tipperary

Project Location: None Given

Sampling Date: 01/05/01  
 Receiving Date: 01/10/01  
 Analysis Date: 01/12/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
36133	MW 1	<0.001	0.004	0.006	0.014	0.007
36134	MW 2	<0.001	0.003	0.005	0.011	0.005
36135	MW 4	<0.010	0.038	0.020	0.063	0.021
36136	MW 6	0.014	<0.001	0.005	0.007	0.003
36137	Mable Source	0.590	0.475	0.127	0.927	0.768
36138	MW 9	0.037	0.032	0.014	0.051	0.037
36139	MW 12	1.07	1.71	0.945	5.66	1.58
36140	MW 13	<0.001	0.002	0.004	0.009	0.004
36141	MW 14	0.024	<0.001	0.004	0.007	0.003
36142	MW 11	0.043	0.005	0.004	0.013	0.008
36143	MW 10	2.43	0.011	0.153	0.251	0.089
36144	MW 28	0.156	0.115	0.034	0.175	0.120
36145	MW 15	2.79	1.36	0.249	0.612	0.493
36146	MW 26	0.044	0.016	0.006	0.012	0.009
36147	MW 8	0.001	0.001	0.002	0.005	0.002
36148	MW 20	0.009	0.006	0.005	0.016	0.008
36149	MW 18	2.95	1.84	0.364	1.54	1.22
36150	MW 21	0.019	0.010	0.019	0.027	0.013
36151	MW 23	0.031	0.032	0.013	0.050	0.034
36152	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		103	100	101	96	101
%EA		105	98	100	97	103
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Armando O. Gomez  
 Armando O. Gomez

1-16-01  
 Date

# LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TIPPERARY  
 ATTN: MR. VICTOR A. VICE  
 P.O. BOX 857  
 TATUM, N.M. 88267  
 FAX: 505-398-6510  
 FAX: 281-646-8996

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl/ 2.5 deg. C  
 Project #: None Given  
 Project Name: Tipperary  
 Project Location: None Given

Sampling Date: 01/05/01  
 Receiving Date: 01/10/01  
 Analysis Date: 01/13/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	<i>o</i> -XYLENE mg/L
36153	MW 27	0.355	0.004	0.003	0.020	0.009
36154	MW 19	0.248	0.002	0.002	0.006	0.003
36155	MW 17	1.42	0.036	0.140	0.428	0.287
36156	MW 16	1.32	0.023	0.083	0.110	0.055
36157	MW 24	0.004	0.004	0.002	0.008	0.005
36158	MW 22	0.140	0.036	0.057	0.092	0.085
36159	MW 29	0.019	0.010	0.010	0.034	0.014
36160	GS Source	0.805	0.292	0.136	0.692	0.414
36161	MW 30	0.036	0.030	0.009	0.036	0.026
36162	MW 31	0.130	0.004	0.003	0.010	0.005

%IA	93	90	89	86	90
%EA	100	98	98	95	100
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Armando Gomez  
 Armando O. Gomez

1-16-01  
 Date

# Environmental Lab of Texas, Inc.

12000 West I-20 East  
Odessa, Texas 79763

Phone: 915-563-1800  
Fax: 915-563-1713

Project Manager:

Company Name Whole Earth Environmental, Inc.

Company Address: 18608 San Gabriel

City/State/Zip: Houston, Tx 77084

Telephone No: (800) 854-4358

Sampler Signature:

Project Name: Quarterly Sampling

Project #: \_\_\_\_\_

Project Loc: Tatum, New Mexico

PO #:

Fax No: (281) 848-8986

		Analyze For:		RUSH/TAT Pre-Schedule		Standard TAT	
		TCLP:	Total:				
Matrix	Volatile						
	Semivolatiles						
	ETEX 8021B/5000						
	Methane: As % CD-CP-Hg-Sr						
	TPH 8015M GROUPD						
	TPH TX 1005/1006						
	TPH 4181						
	TOS/CL/SR/EC						
	Other (Specify):						
	Soil						
Preservative	Studage						
	Water						
	Other (Specify)						
	None						
	H <sub>2</sub> SO <sub>4</sub>						
	NaOH						
	HCl						
	HNO <sub>3</sub>						
	LiCl						
	No. of Contaminants						
Time Sampled	Date Sampled						
	Time Sampled						
	4-5	16:40					
	10:55						
	11:07						
	11:12						
	11:15						
	11:26						
	16:20						
	9:59						
10:10							
9:44							
Special Instructions:							
Retrieved by:		Date	Time	Received by:		Date	Time
<i>M. A. H. -</i>		4-6-01	9:21				
Released by:		Date	Time	Received by:		Date	Time
Apr 11 01 08:06a							

**Environmental Lab of Texas, Inc.**

12600 West I-20 East  
Odessa, Texas 79763

Phone: 915-563-1800  
Fax: 915-563-1713

卷之三

Project Manager

Cambridge Natura Whole Earth Environmental Inc.

**Company Address:** 18600 San Gabriel

City/State(ZIB): Hushan, Tx. 77084

Telephone No: (800) 854-4343

Sample Signatures:

**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Project Name: Quarterly Sampling

Project 1

Project Log: Tatnii, New Mexico

PO 程序

Fax No: (281) 645-8886

Sample Signatures:

Analyze For:		RUSH TAT (Pre-Schedule)		Standard TAT	
TCLP:	TOTAL:				
Preservative	Matrix				
No. of Containers					
Date Sampled					
Time Sampled					
FIELD CODE					
NBF MW 8	4:5	11:58			
NBF MW 15		12:20			
NBF MW 16		12:12			
NBF MW 26		1:45			
Sohio #1 MW 10		1:50			
Sohio #1 MW 17		1:27			
Sohio #1 MW 18		1:12			
Sohio #1 MW 28		1:10			
Sohio #1 MW 30		12:55			
Sohio "A" MW 11		2:20			
Special Instructions:					
Reinquished by:		Date: 4-6-01	Time: 9:25	Received by:	
Reinquished by:		Date:	Time:	Received by:	

# Environmental Lab of Texas, Inc.

12600 West I-20 East  
Odessa, Texas 79763

Phone: 915-563-1800  
Fax: 915-563-1713

Project Manager:

Company Name Whole Earth Environmental, Inc.

Company Address: 18006 San Gabriel

City/State/Zip: Houston, Tx. 77064

Telephone No: (800) 854-4358

Sampler Signature:

Project Name: Quarterly Sampling - Tippewa

Project #:

Project Loc: Tatum, New Mexico

PO #:

Fax No: (281) 648-8988

		Analyze For:		Push/TAT Pre-Schedule		Standard TAT	
		TCLP	Total				
Preservative	Merits As Ag Be Cd Cr Pb Hg Se						
	TPH 80/100						
	TPH TX 100/100						
	TDS/C/L/SAR/EC						
	Other (Specify):						
	NaOH						
	H <sub>2</sub> SO <sub>4</sub>						
	HCl						
	HNO <sub>3</sub>						
	Ac						
Matrix	No. of Containers						
	Water						
	Sediment						
	Soil						
	Sludge						
	Other (Specify):						
	NaOH						
	H <sub>2</sub> SO <sub>4</sub>						
	HCl						
	HNO <sub>3</sub>						
Date Sampled							
Time Sampled							
FIELD CODE							
12003	Sohio "A" MW 19		4:5		2:30		
12003-20	Sohio "A" MW 20		2:20		X		
12003-21	Sohio "A" MW 21		2:10		X		
12003-22	Sohio "A" MW 22		2:00		X		
12003-23	Sohio "A" MW 23		2:00		X		
12003-24	GS Source Well		2:40		X		
12003-25	GS MW 12		2:57		X		
12003-26	GS MW 21		3:10		X		
12003-27	GS MW 22		3:25		X		
12003-28	GS MW 29		3:45		X		
12003-29	Sat. 4 MW 9		4:55		X		
Special Instructions:							
Reradiused by: <i>M.J. J.</i>	Date: 4/6/01	Time: 9:25	Received by:		Date: 4/6/01	Time: 9:25	
Reradiused by: <i>J. G.</i>	Date: 4/6/01	Time: 9:25	Received by:		Date: 4/6/01	Time: 9:25	

**Environmental Lab of Texas, Inc.**

11260 West I-20 East  
Odessa, Texas 79763

Phone: 915-563-1800  
Fax: 915-563-1713

Project Manager

Company Name (if applicable) Eastern Environment

Company Address: 191 Main Street, Suite 600, Grand Rapids, MI 49503

City/State/Zip: Hanover

Telephone No: (800) 254-4358

Sanjour Signature:

Project Name: Greater Scan Doctor

Project #: \_\_\_\_\_

Project Log: Tatooine NM

PO #:

Fax No: (289) 1-410-8899

Under Signature:

Apr 11 01 08:09a

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl/ 2.5 deg. C  
 Project #: None Given  
 Project Name: Quarterly Sampling  
 Project Location: Tatum, New Mexico

Sampling Date: 04/05/01  
 Receiving Date: 04/06/01  
 Analysis Date: 04/06/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38917 ✓	Iva Source Well	0.666	0.599	0.141	1.05	0.824
38918 ✓	Iva MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
38919 ✓	Iva MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
38920 ✓	Mable Source Well	0.509	0.435	0.128	1.09	0.816
38921 ✓	Mable MW 3	<0.010	0.047	0.088	0.270	0.049
38922 ✓	Mable MW 4	<0.001	<0.001	0.006	0.015	0.004
38923 ✓	Bell MW 6	0.024	<0.001	0.002	0.001	<0.001
38924 ✓	Bell MW 13	<0.001	<0.001	<0.001	<0.001	<0.001
38925 ✓	Bell MW 14	0.047	<0.001	0.006	0.001	<0.001
38926 ✓	Bell MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
38927 ✓	NBF MW 8	<0.001	<0.001	0.003	0.007	0.002
%IA		99	102	102	100	101
%EA		88	93	97	95	97
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Roland K. Tuttle  
 Roland K. Tuttle

4-10-01  
 Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl/ 2.5 deg. C  
 Project #: None Given  
 Project Name: Quarterly Sampling  
 Project Location: Tatum, New Mexico

Sampling Date: 04/05/01  
 Receiving Date: 04/06/01  
 Analysis Date: 04/08/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38928 ✓	NBF MW 15	2.57	1.46	0.308	0.821	0.481
38929 ✓	NBF MW 16	1.55	<0.005	0.101	0.104	0.039
38930 ✓	NBF MW 26	<0.001	<0.001	0.003	0.009	0.003
38931 ✓	Sohio #1 MW 10	2.08	0.031	0.179	0.342	0.074
38932 ✓	Sohio #1 MW 17	1.49	0.038	0.199	0.606	0.348
38933 ✓	Sohio #1 MW 18	1.41	0.179	0.095	0.449	0.306
38934 ✓	Sohio #1 MW 28	0.014	0.010	0.007	0.016	0.006
38935 ✓	Sohio #1 MW 30	0.007	0.008	0.005	0.010	0.004
38936 ✓	Sohio "A" MW 11	0.033	0.006	0.007	0.024	0.013
38937 ✓	Sohio "A" MW 19	0.325	0.007	0.009	0.030	0.016
38938 ✓	Sohio "A" MW 20	0.020	0.006	0.009	0.029	0.016
38939 ✓	Sohio "A" MW 27	0.324	0.012	0.016	0.069	0.035
%IA		90	93	94	93	93
%EA		88	92	91	89	94
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

R.K. Tuttle  
 Roland K. Tuttle

4-11-01  
 Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl/ 2.5 deg. C  
 Project #: None Given  
 Project Name: Quarterly Sampling  
 Project Location: Tatum, New Mexico

Sampling Date: 04/05/01  
 Receiving Date: 04/06/01  
 Analysis Date: 04/09/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38940	Sohio "A" MW 31	0.105	0.008	0.013	0.042	0.023
38941 ✓	GS Source Well	0.417	0.148	0.091	0.582	0.254
38942 ✓	GS MW 12	0.394	0.022	0.180	0.767	0.200
38943 ✓	GS MW 21	0.014	0.011	0.012	0.021	0.009
38944 ✓	GS MW 22	0.085	0.038	0.060	0.076	0.099
38945 ✓	GS MW 29	0.009	0.007	0.007	0.022	0.011
38946 ✓	Sat 4 MW 9	<0.001	<0.001	<0.001	<0.001	<0.001
38947 ✓	23	<0.001	<0.001	<0.001	<0.001	<0.001
38948 ✓	24	<0.001	<0.001	<0.001	<0.001	<0.001

%IA	93	98	100	99	100
%EA	102	106	106	104	105
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle  
 Raland K. Tuttle

4-11-01  
 Date

# Environmental Lab of Texas, Inc.

Phone: 915-563-1800  
Fax: 915-563-1713  
11 West I-20 East  
sa, Texas 79783

## 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

Sampler Signature: M. Jeff.

### Project Name: Quarterly Sampling

Project #: \_\_\_\_\_

Project Loc: Tatum, New Mexico

PO #: \_\_\_\_\_

Fax No: (281) 644-3896

FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Other (Specify):	Soil	Sludge	Water	Nons	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	Ba	NaOH	HCl	Other (Specify)	Matrix	Analyze For:		TOTAL	TCLP	RUSH TAT Pre-Schedule	Standard TAT	
																TOTAL	TCLP					
Iva Source Well	1	6/5/01	2	X	X		X															
Iva MW 1		6/5/01	2	X	X		X															
Iva MW 2		6/5/01	2	X	X		X															
Mable Source Well		6/5/01	2	X	X		X															
Mable MW 3		6/5/01	2	X	X		X															
Mable MW 4		6/5/01	2	X	X		X															
Bell MW 6		6/5/01	2	X	X		X															
Bell MW 13		6/5/01	2	X	X		X															
Bell MW 14		6/5/01	2	X	X		X															
Bell MW 25		6/5/01	2	X	X		X															

Instructions:

Received by: <i>J.M.</i>	Date 7-7-9	Time 11:30	Received by: Date Time	Date Time
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# viro.ontal Lab of Texas, Inc.

West I-20 East  
Le., Texas 76763  
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: 19608 San Gabriel

City/State/Zip: Houston, Tx. 77084

Telephone No: (800) 864-4368

Sampler Signature: M. Goff

Project Name: Quarterly Sampling

Project #: \_\_\_\_\_

Project Loc: Tatum, New Mexico

PO #: \_\_\_\_\_

Fax No: (281) 649-3896

FIELD CODE		Date Sampled		Time Sampled		No. of Containers		Preservative		Matrix		Other (Specify):		TCLP:		Analyze For:		RUSH TAT (Pre-Schedule)		Standard TAT							
NBF MW 8		6/15/01		A				HCl		None		Water		Soil		TPH 418.1		TPH TX 1005/1008		TPH 8015M GR0/DR0		Metals: As Ag Ba Cd Cr Pb Hg Se		Semivolatiles			
NBF MW 15		6/15/01		X		X		HNO <sub>3</sub>		H <sub>2</sub> SO <sub>4</sub>		None		Sludge		TPH 418.1		TPH TX 1005/1008		TPH 8015M GR0/DR0		Metals: As Ag Ba Cd Cr Pb Hg Se		Semivolatiles			
NBF MW 16		6/15/01		X		X		H <sub>2</sub> O		NaOH		None		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT			
NBF MW 26		6/15/01		X		X		H <sub>2</sub> O		NaOH		None		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT			
Sohio #1 MW 10		6/16/01		X		X		H <sub>2</sub> O		HCl		None		Water		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT	
Sohio #1 MW 17		6/16/01		X		X		H <sub>2</sub> O		HCl		None		Water		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT	
Sohio #1 MW 18		6/16/01		X		X		H <sub>2</sub> O		HCl		None		Water		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT	
Sohio #1 MW 28		6/16/01		X		X		H <sub>2</sub> O		HCl		None		Water		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT	
Sohio #1 MW 30		6/16/01		X		X		H <sub>2</sub> O		HCl		None		Water		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT	
Sohio "A" MW 11		6/16/01		X		X		H <sub>2</sub> O		HCl		None		Water		Soil		TOTAL		TCIP:		BTEX 8021B/5030		BTEX 8021B/5030		Standard TAT	

**Instructions:**

Issued by: <u>M. Goff</u>	Date: <u>7-7-01</u>	Time: <u>11:30</u>	Received by: _____	Date: _____	Time: _____
Issued by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____

# Environmental Lab of Texas, Inc.

West 1-20 East  
a. Texas 77063  
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: 19808 San Gabriel

City/State/Zip: Houston, Tx 77084

Telephone No: (800) 854-4358

Sampler Signature: M. J. J.

Project Name: Quarterly Sampling

Project #: \_\_\_\_\_

Project Loc: Tatum, New Mexico

PO #: \_\_\_\_\_

Fax No: (281) 646-8896

FIELD CODE	Date Sampled	Time Sampled	No. of Contaminants	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	None	Other (Specify)	Soil	Sediment	Volatile	Semivolatile	BTEX 8021B/5030	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Be Cd Cr Pb Hg Se	TOTAL:	Analyze For:		RUSH TAT Pre-Schedule	Standard TAT		
																				TCLP:	Project Name:				
Sohio "A" MW 19	6/6/01			X	X					X	X														
Sohio "A" MW 20	6/6/01			X	X					X	X														
Sohio "A" MW 27	6/6/01			X	X					X	X														
Sohio "A" MW 31	6/6/01			X	X					X	X														
GS Source Well	6/6/01			X	X					X	X														
GS MW 12	6/6/01			X	X					X	X														
GS MW 21	6/6/01			X	X					X	X														
GS MW 22	6/6/01			X	X					X	X														
GS MW 29	6/6/01			X	X					X	X														
Sat. 4 MW 9	6/6/01			X	X					X	X														

Instructions:

Issued by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	7-7-01	11:30			

Environmental Lab of Texas, Inc.

0 West I-20 East  
I-35, Texas 79763

Phone: 915-583-1800  
Fax: 915-583-1713

**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Project Manager

Company Name Whole Earth Environmental, Inc.

Company Address: 19696 San Gabriel

City/State/Zip: Houston, Tx. 77084

Telephone No: (800) 854-4358

શાસ્ત્રમજ્ઞાન

Fax No: (281) 648-8996

**Project #:** \_\_\_\_\_

Project Loc: Tatum; New Mexico

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## Instructions:

Date \_\_\_\_\_ Time \_\_\_\_\_ Received by \_\_\_\_\_

Shed by:	Date	Time	Received by:	Date	Time
J.H.	7-20-01	11:30			
Shed by:	Date	Time			

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL  
 ATTN: MR. MIKE GRIFFIN  
 19606 SAN GABRIEL  
 HOUSTON, TEXAS 77084  
 FAX: 281-646-8996  
 FAX: 505-397-3591 (motel)

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl 2 deg C  
 Project #: None Given  
 Project Name: Quarterly Sampling  
 Project Location: Tatum, N.M.

Sampling Date: See Below  
 Receiving Date: 07/07/01  
 Analysis Date: 07/07/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	SAMPLE DATE
0101098-01	Iva Source Well	0.371	0.252	0.075	0.574	0.474	07/06/01
0101098-02	Iva MW 1	<0.001	<0.001	0.003	0.008	0.002	07/05/01
0101098-03	Iva MW 2	<0.001	<0.001	0.002	0.006	<0.001	07/05/01
0101098-04	Mable Source Well	0.459	0.343	0.118	0.928	0.735	07/05/01
0101098-05	Mable MW 3	0.003	0.007	0.025	0.057	0.021	07/05/01
0101098-06	Mable MW 4	0.004	0.014	0.006	0.014	0.005	07/05/01
0101098-07	Bell MW 6	0.056	<0.001	0.002	0.005	<0.001	07/05/01
0101098-08	Bell MW 13	0.001	<0.001	0.002	0.005	0.002	07/05/01
0101098-09	Bell MW 14	0.034	0.001	0.005	0.007	0.002	07/05/01
0101098-10	Bell MW 25	<0.001	<0.001	0.003	0.006	0.002	07/05/01
0101098-11	NBF MW 8	<0.001	<0.001	0.001	0.004	0.001	07/05/01
0101098-12	NBF MW 15	1.80	0.948	0.250	0.598	0.409	07/05/01
0101098-13	NBF MW 16	1.65	0.026	0.097	0.159	0.069	07/05/01
0101098-14	NBF MW 26	<0.001	<0.001	0.002	0.004	<0.001	07/05/01
0101098-15	Sohio #1 MW 10	2.20	<0.010	0.190	0.455	0.052	07/06/01
0101098-16	Sohio #1 MW 17	1.22	0.017	0.166	0.583	0.303	07/06/01
0101098-17	Sohio #1 MW 18	1.10	0.077	0.082	0.364	0.257	07/06/01
QUALITY CONTROL		0.110	0.108	0.112	0.224	0.114	
TRUE VALUE		0.100	0.100	0.100	0.200	0.100	
% INSTRUMENT ACCURACY		110	108	112	112	114	
SPIKED AMOUNT		0.100	0.100	0.100	0.200	0.100	
ORIGINAL SAMPLE		<0.001	<0.001	<0.001	<0.001	<0.001	
SPIKE		0.092	0.088	0.087	0.171	0.089	
SPIKE DUP		0.088	0.084	0.085	0.167	0.086	
% EXTRACTION ACCURACY		92	88	87	86	89	
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	
RPD		4	4	2	2	3	

METHODS: EPA SW 846-8021B ,5030

Roland K. Tuttle  
 Roland K. Tuttle

7-13-01  
 Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

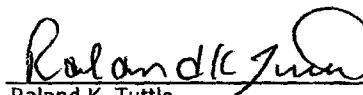
WHOLE EARTH ENVIRONMENTAL  
 ATTN: MR. MIKE GRIFFIN  
 19606 SAN GABRIEL  
 HOUSTON, TEXAS 77084  
 FAX: 281-646-8996  
 FAX: 505-397-3591 (motel)

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl 2 deg C  
 Project #: None Given  
 Project Name: Quarterly Sampling  
 Project Location: Tatum, N.M.

Sampling Date: 07/06/01  
 Receiving Date: 07/07/01  
 Analysis Date: 07/09/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	<i>o</i> -XYLENE mg/L
0101098-18	Sohio #1 MW 28	0.009	0.002	0.006	0.025	0.007
0101098-19	Sohio #1 MW 30	0.005	0.001	0.004	0.017	0.005
0101098-20	Sohio "A" MW 11	0.035	0.002	0.005	0.018	0.007
0101098-21	Sohio "A" MW 19	0.307	0.001	0.004	0.017	0.005
0101098-22	Sohio "A" MW 20	0.005	<0.001	0.004	0.014	0.004
0101098-23	Sohio "A" MW 27	0.073	<0.001	0.004	0.012	0.004
0101098-24	Sohio "A" MW 31	0.275	0.003	0.007	0.039	0.014
0101098-25	GS Source Well	0.318	0.180	0.133	0.722	0.368
0101098-26	GS MW 12	0.350	0.026	0.150	0.483	0.150
0101098-27	GS MW 21	0.009	0.002	0.007	0.004	0.002
0101098-28	GS MW 22	0.062	0.020	0.046	0.047	0.069
0101098-29	GS MW 29	0.005	0.002	0.004	0.005	0.004
0101098-30	Sat. 4 MW 9	<0.001	<0.001	0.001	0.003	<0.001
0101098-31	Satellite #4 MW 23	<0.001	<0.001	<0.001	<0.001	<0.001
0101098-32	Satellite #4 MW 24	<0.001	<0.001	<0.001	<0.001	<0.001
0101098-33	Collier MW 32	0.537	0.054	0.073	0.077	0.078
0101098-34	Collier MW 33	0.043	0.003	0.005	0.007	0.005
QUALITY CONTROL		0.092	0.098	0.095	0.186	0.097
TRUE VALUE		0.100	0.100	0.100	0.200	0.100
% INSTRUMENT ACCURACY		92	90	95	93	97
SPIKED AMOUNT		0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE		0.005	0.001	0.004	0.017	0.005
SPIKE		0.097	0.090	0.098	0.202	0.101
SPIKE DUP		0.097	0.091	0.090	0.185	0.090
% EXTRACTION ACCURACY		92	89	94	93	96
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001
RPD		0	1	8	9	11

METHODS: EPA SW 846-8021B ,5030

  
 Roland K. Tuttle

7-13-01  
 Date

# Environmental Lab of Texas, Inc.

12600 West 1120 East  
Odessa, Texas 79763  
Phone: 915-593-1800  
Fax: 915-593-1713

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Company Name Whole Earth Environmental, Inc.

Company Address: 13501 San Gabriel

City/State/Zip: Houston, Tx. 77084

Telephone No: (800) 884-4368

Sampler Signature:

Project Name: Quarterly Sampling

Project #: \_\_\_\_\_

Project Loc: Tatum, New Mexico

PO #:

Fax No: (281) 646-3998

		Analyze For:		TCLP		TOTAL		Standard TAT		RUSH TAT PRE-SCHEDULE					
				Lead	Mercury	Thick	Chromium	Pb	Hg	Sr	Vaseline	Stannousbromide	BTEX 8021B/SD30		
Preservative		Matrix		TPH 418.1		TPH TX 1005/T006		TPH OCTANE CR/ODRO		Merch: As Ag Ba Cd Cr Pb Hg Sb					
				TDS / CL / SAR / EC		Sulfate		SO4		Vaseline		Sulfuric acid			
				Other (Specify):		Water		H2O		Merch: As Ag Ba Cd Cr Pb Hg Sb		BTEX 8021B/SD30			
				None		None		HCl as per M.G.A.C.H. 9/92		Merch: As Ag Ba Cd Cr Pb Hg Sb		Sulfuric acid			
				HNO3		HNO3		HNO3		Merch: As Ag Ba Cd Cr Pb Hg Sb		BTEX 8021B/SD30			
				H2SO4		H2SO4		H2SO4		Merch: As Ag Ba Cd Cr Pb Hg Sb		Sulfuric acid			
				HCl as per M.G.A.C.H. 9/92		HCl as per M.G.A.C.H. 9/92		HCl as per M.G.A.C.H. 9/92		Merch: As Ag Ba Cd Cr Pb Hg Sb		BTEX 8021B/SD30			
				HNO3, TMM		HNO3, TMM		HNO3, TMM		Merch: As Ag Ba Cd Cr Pb Hg Sb		Sulfuric acid			
				No. of Contaminants		Time Sampled		Date Sampled		Preservative		Matrix		Other (Specify):	
				Time Sampled		Date Sampled		Preservative		Matrix		Other (Specify):		None	
FIELD CODE															
1212	Iva Source Well	9/24/01		2		X		X		X					
1212	Iva MW 1	9/24/01		2		X		X		X					
1212	Iva MW 2	9/24/01		2		X		X		X					
1212	Mable Source Well	9/24/01		2		X		X		X					
1212	Mable MW 3	9/24/01		2		X		X		X					
1212	Mable MW 4	9/24/01		2		X		X		X					
1212	Bell MW 8	9/24/01		2		X		X		X					
1212	Bell MW 13	9/24/01		2		X		X		X					
1212	Bell MW 14	9/24/01		2		X		X		X					
1212	Bell MW 25	9/24/01		2		X		X		X					

**Special Instructions:**

Relinquished by:	Date	Time	Received by:	Date	Time
<i>M. J. H.</i>	9-26	8:18			
Relinquished by:	Date	Time			

**Environmental Lab of Texas, Inc.**

112600 West 1-20 East  
Odessa, Texas 79763

**Phone:** 915-583-1800  
**Fax:** 915-583-1713

**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

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Germany Name Whole Earth Environmental Inc

Community Additives: 1980s Sun Quixote

Civil States[2] in: *Humanitas* T. 27 no. 2

Trotter et al.

Santos-Giambarini

Environmental Inc

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Simpler Name: Quantitative Sampling

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Environ Biol Fish (2007) 79:169–170

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Analyze For:		TOTAL		TCLP:		PUSH TAT (Pre-Schedule)		Standard TAT	
Preservative	Matrix	No. of Containers	Date Sampled	Time Sampled	Time	Order (Speedy)	Solid	Volatile	Mixes: Aq Ag Br Cd Cr Pb Hg S- Tetra 80/100mL 90/100mL
			NBF MW 8	9/24/01	2		X	X	BTEX 6021B500
			NBF MW 15	9/24/01	2		X	X	
			NBF MW 16	9/24/01	2		X	X	
			NBF MW 26	9/24/01	2		X	X	
			Sohio #1 MW 10	9/24/01	2		X	X	
			Sohio #1 MW 17	9/24/01	2		X	X	
			Sohio #1 MW 18	9/24/01	2		X	X	
			Sohio #1 MW 28	9/24/01	2		X	X	
			Sohio #1 MW 30	9/24/01	2		X	X	
			Sohio "A" MW 11	9/24/01	2		X	X	

Environmental Lab of Texas, Inc.

12800 West 1-20 East  
Odessa, Texas 79763

**Phone:** 916-583-1800  
**Fax:** 916-583-1713

Project Manager:

Company Name: Whole Earth Environmental, Inc.

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SUSTAINABILITY

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Phone: 916-583-1800  
Fax: 916-583-1713

**Phone:** 916-583-1800  
**Fax:** 916-583-1713

project 3:

Senate 166: 20th in New Haven

224

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Oct 05 1980

Oct 05 01 03:07p

# ENVIRONMENTAL LAB OF , INC.

*"Don't Treat Your Soil Like Dirt!"*

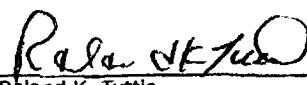
WHOLE EARTH ENVIRONMENTAL  
 ATTN: MR. MIKE GRIFFIN  
 19606 SAN GABRIEL  
 HOUSTON, TEXAS 77084  
 FAX: 281-646-8996

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl/ 0.0 deg C  
 Project Name: Quarterly Sampling  
 Project #: None Given  
 Project Location: Tatum, NM

Sampling Date: 09/24/01  
 Receiving Date: 09/26/01  
 Analysis Date: 10/04/01

FLT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	<i>o</i> -XYLENE mg/L
C101642-01	Iva Source Well	0.430	0.204	0.048	0.486	0.359
0101642-02	Iva MW 1	<0.001	<0.001	<0.001	0.003	<0.001
0101642-03	Iva MW 2	0.004	0.003	0.001	0.006	0.004
0101642-04	Mable Source Well	0.550	0.425	0.148	1.36	0.904
0101642-05	Mable MW 3	0.053	0.163	0.173	0.826	0.154
0101642-06	Mable MW 4	0.039	0.038	0.102	0.273	0.091
0101642-07	Bell MW 6	0.038	<0.001	<0.001	<0.001	<0.001
0101642-08	Bell MW 13	0.002	0.002	0.003	0.009	0.003
0101642-09	Bell MW 14	0.054	0.001	0.005	0.011	0.004
QUALITY CONTROL		0.091	0.090	0.088	0.170	0.087
TRUE VALUE		0.100	0.100	0.100	0.200	0.100
% IA		91	90	88	85	87
SPIKED AMOUNT		0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE		<0.001	<0.001	<0.001	<0.001	<0.001
SPIKE		0.093	0.089	0.082	0.160	0.077
SPIKE DUP		0.086	0.104	0.090	0.171	0.087
%EA		86	104	90	86	87
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001
RPD		4.51	0.79	2.97	1.26	1.69

METHODS: SW 846-8021B, 5030

  
 Roland K. Tuttle

10-05-01  
 Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water

Sample Condition: Intact/ Iced/ HCl/ 0.0 deg C

Project Name: Quarterly Sampling

Project #: None Given

Project Location: Tatum, NM

Sampling Date: 09/24/01

Receiving Date: 09/26/01

Analysis Date: 10/04/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
0101642-10	Bell MW 25	<0.001	<0.001	0.005	0.016	0.006
0101642-11	NBF MW 8	0.041	0.044	0.018	0.040	0.026
0101642-12	NBF MW 15	2.52	1.34	0.331	0.960	0.562
0101642-13	NBF MW 16	1.39	0.001	0.058	0.041	0.005
0101642-14	NBF MW 26	0.027	0.002	0.003	0.008	0.003
0101642-15	Sohio #1 MW 10	2.15	0.131	0.189	0.510	0.137
0101642-16	Sohio #1 MW 17	1.03	0.035	0.035	0.381	0.108
0101642-17	Sohio #1 MW 18	2.81	2.22	0.554	3.15	1.65
0101642-18	Sohio #1 MW 28	<0.005	0.031	0.010	0.020	0.014

QUALITY CONTROL	0.099	0.099	0.092	0.179	0.086
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	99	99	92	90	86
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.001	<0.001	0.005	0.016	0.006
SPIKE	0.093	0.092	0.089	0.181	0.087
SPIKE DUP	0.090	0.089	0.086	0.173	0.083
%EA	93	90	84	83	81
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001
RPD	4	4	4	5	5

METHODS: SW 846-8021B, 5030

Raland K. Tuttle  
Raland K. Tuttle

10-5-01  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water  
 Sample Condition: Intact/ Iced/ HCl/ 0.0 deg C  
 Project Name: Quarterly Sampling  
 Project #: None Given  
 Project Location: Tatum, NM

Sampling Date: 09/24/01  
 Receiving Date: 09/26/01  
 Analysis Date: 10/04/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	<i>o</i> -XYLENE mg/L
0101642-19	Sohio #1 MW 30	0.040	0.033	0.007	0.045	0.010
0101642-20	Sohio "A" MW 11	0.045	0.015	0.007	0.034	0.020
0101642-21	Sohio "A" MW 19	0.250	0.013	0.006	0.032	0.016
0101642-22	Sohio "A" MW 20	0.037	0.025	0.011	0.052	0.026
0101642-23	Sohio "A" MW 27	0.123	0.036	0.018	0.082	0.039
0101642-24	Sohio "A" MW 31	0.406	0.038	0.014	0.083	0.040
0101642-25	GS Source Well	0.350	0.141	0.097	0.430	0.226
0101642-26	GS MW 12	0.533	0.078	0.267	1.12	0.309
0101642-27	GS MW 21	0.016	0.009	0.012	0.015	0.006
0101642-28	GS MW 22	0.041	0.019	0.038	0.032	0.042
0101642-29	GS MW 29	0.016	0.007	0.007	0.015	0.007
<hr/>						
QUALITY CONTROL		0.104	0.100	0.092	0.185	0.088
TRUE VALUE		0.100	0.100	0.100	0.200	0.100
% IA		104	100	92	92	88
SPiked AMOUNT		0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE		0.037	0.025	0.011	0.052	0.026
SPIKE		0.155	0.130	0.111	0.270	0.126
SPike DUP		0.129	0.114	0.098	0.236	0.113
%EA		92	89	87	92	86
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001
RPD		25	16	14	17	15

METHODS: SW 846-8021B, 5030

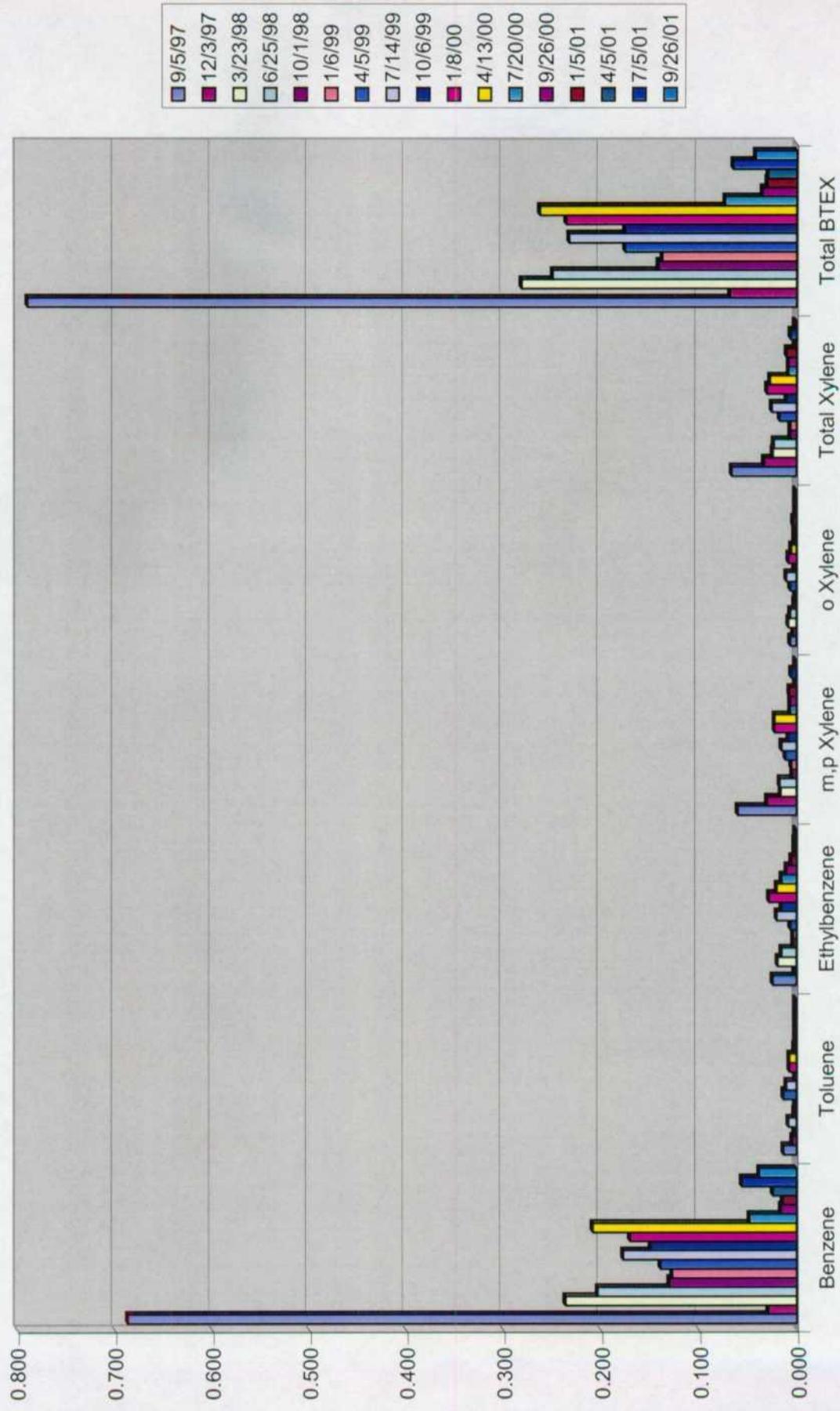
Raland K. Tuttle  
 Raland K. Tuttle

10-5-01  
 Date

Monitor Well # 6  
 Bell State "A"  
 Sampling Results

Lab. #	12481	13179	14062	14661	15593	16600	17431	18593	20598	22765	25167	28440	31507	36136	38923	0101098-07	01011642-07
Sample Date	9/5/97	12/3/97	3/23/98	6/25/98	10/1/98	1/6/99	4/5/99	7/14/99	10/6/99	1/8/00	4/13/00	7/20/00	9/26/00	1/5/01	4/5/01	7/5/01	9/26/01
Benzene	<b>0.687</b>	<b>0.029</b>	<b>0.236</b>	<b>0.130</b>	<b>0.127</b>	<b>0.139</b>	<b>0.177</b>	<b>0.149</b>	<b>0.170</b>	<b>0.208</b>	<b>0.048</b>	<b>0.016</b>	<b>0.014</b>	<b>0.024</b>	<b>0.056</b>	<b>0.038</b>	
Toluene	0.013	0.004	0.002	0.008	0.002	0.001	0.013	0.010	0.001	0.007	0.002	0.001	0.001	0.001	0.001	0.001	
Ethylbenzene	0.024	0.002	0.019	0.015	0.003	0.006	0.020	0.015	0.028	0.020	0.015	0.010	0.005	0.002	0.002	0.001	
m,p Xylene	0.060	0.03	0.016	0.017	0.004	0.005	0.011	0.015	0.008	0.022	0.006	0.007	0.001	0.005	0.001	0.001	
o Xylene	0.006	0.003	0.008	0.006	0.002	0.001	0.006	0.010	0.002	0.008	0.005	0.002	0.003	0.001	0.001	0.001	
Total Xylene	0.066	0.033	0.024	0.023	0.006	0.017	0.025	0.010	0.030	0.027	0.008	0.010	0.002	0.006	0.002	0.002	
Total BTEX	0.790	0.068	0.249	0.141	0.137	0.175	0.232	0.175	0.235	0.262	0.073	0.035	0.030	0.029	0.065	0.042	

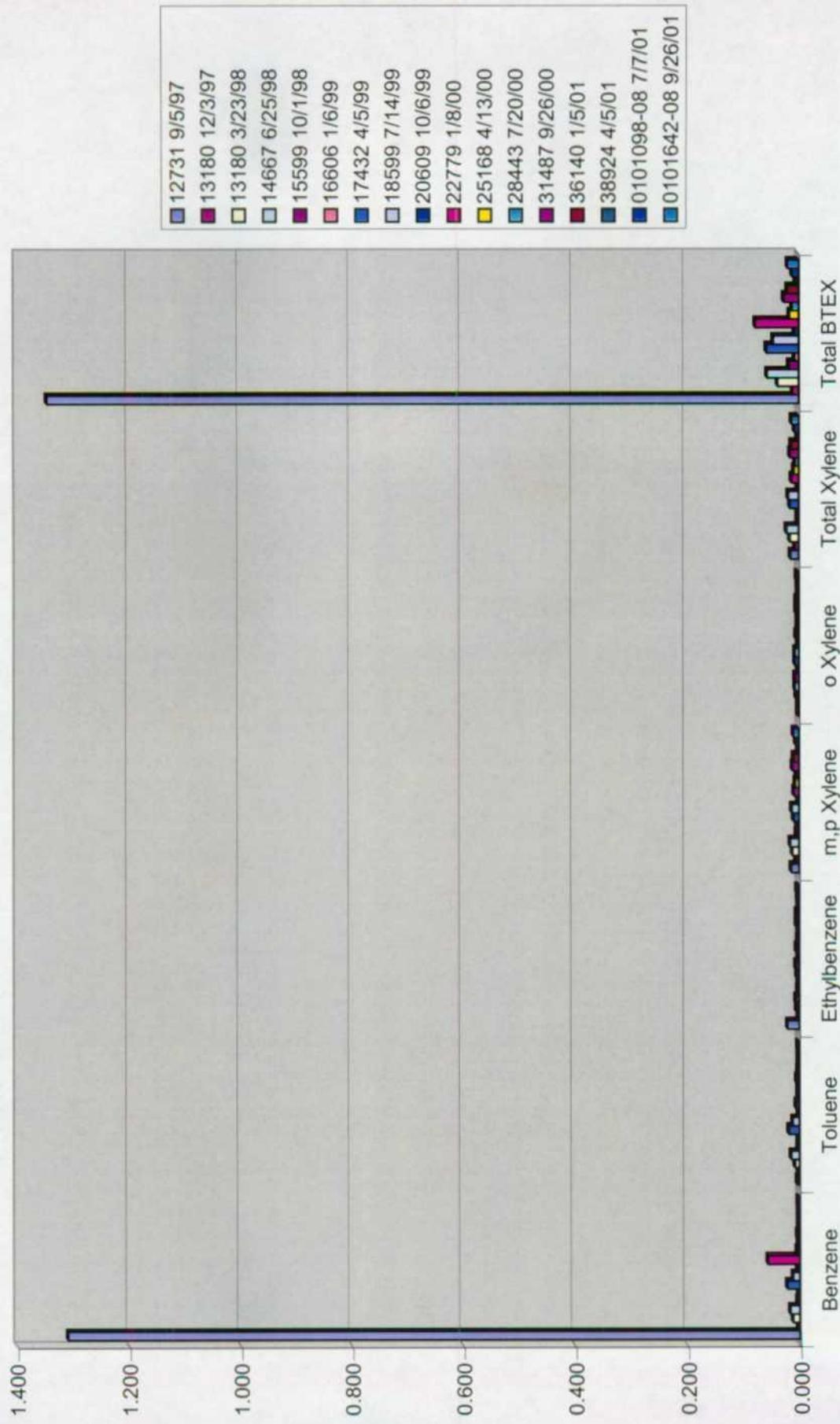
### Monitor Well # 6



**Monitor Well #13**  
**Bell State "A"**  
**Sampling Results**

Lab. #	12731	13180	13180	14867	15599	16606	17432	18599	20609	22779	25168	28443	31487	36140	38924	0101098-08	0101642-08
Sample Date	9/5/97	12/3/97	3/23/98	6/25/98	10/1/98	1/6/99	4/5/99	7/14/99	10/6/99	1/8/00	4/13/00	7/20/00	9/26/00	1/5/01	4/5/01	7/7/01	9/26/01
Benzene	<b>1.309</b>	0.002	<b>0.011</b>	<b>0.016</b>	0.003	0.001	<b>0.021</b>	<b>0.011</b>	0.018	0.001	<b>0.056</b>	0.003	0.002	0.004	0.001	0.001	0.002
Toluene	0.003	0.001	0.007	<b>0.014</b>	0.002	0.001	0.002	0.001	0.018	0.001	<b>0.005</b>	0.001	0.002	0.004	0.001	0.001	0.002
Ethylbenzene	<b>0.02</b>	0.001	<b>0.004</b>	<b>0.005</b>	<b>0.002</b>	<b>0.001</b>	<b>0.003</b>	<b>0.005</b>	0.001	<b>0.004</b>	<b>0.001</b>	<b>0.002</b>	<b>0.001</b>	<b>0.004</b>	<b>0.001</b>	<b>0.002</b>	<b>0.003</b>
m,p Xylene	0.013	0.005	0.011	<b>0.015</b>	0.011	0.004	0.004	0.009	0.012	0.001	0.008	0.006	0.004	0.011	0.009	0.005	0.009
o Xylene	0.001	0.001	0.004	0.006	0.006	0.001	0.006	0.006	0.001	0.004	0.001	0.002	0.004	0.004	0.001	0.002	0.003
Total Xylene	0.014	0.006	0.015	<b>0.021</b>	<b>0.002</b>	<b>0.015</b>	<b>0.018</b>	<b>0.008</b>	<b>0.012</b>	<b>0.002</b>	<b>0.008</b>	<b>0.015</b>	<b>0.013</b>	<b>0.002</b>	<b>0.007</b>	<b>0.012</b>	
Total BTEX	1.346	0.010	0.037	0.056	0.017	0.007	0.057	0.045	0.007	0.077	0.016	0.011	0.020	0.005	0.011	0.019	

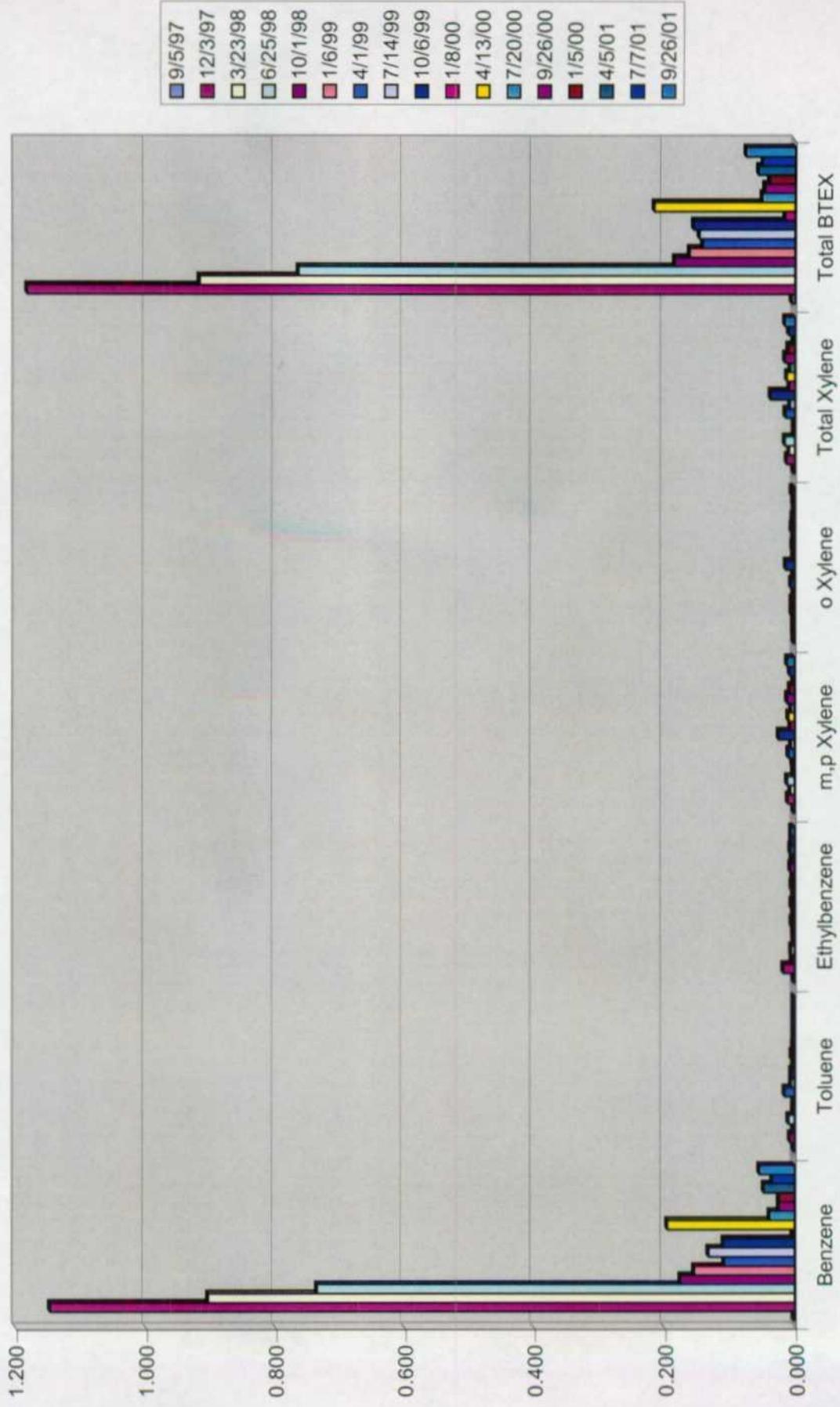
Monitor Well # 13



Monitor Well # 14  
 Bell State "A"  
 Sampling Results

Lab. #	12732	13181	14048	14668	15607	16607	17433	18600	20610	22770	25169	28444	31488	36141	38925	01010098-09	0101642-09
Sample Date	9/5/97	12/3/97	3/23/98	6/25/98	10/1/98	1/6/99	4/1/99	7/14/99	10/6/99	1/8/00	4/13/00	7/20/00	9/26/00	1/5/00	4/5/01	7/7/01	9/26/01
Benzene	0.001	<b>1.147</b>	<b>0.904</b>	<b>0.735</b>	<b>0.175</b>	<b>0.154</b>	<b>0.108</b>	<b>0.132</b>	<b>0.109</b>	<b>0.003</b>	<b>0.195</b>	<b>0.038</b>	<b>0.024</b>	<b>0.047</b>	<b>0.034</b>	<b>0.054</b>	
Toluene	0.001	0.007	0.002	0.009	0.002	0.001	0.015	0.005	0.002	0.004	0.002	0.001	0.001	0.001	0.001	0.001	
Ethylbenzene	0.001	0.017	0.004	0.005	0.001	0.002	0.004	0.002	0.004	0.002	0.003	0.006	0.004	0.006	0.005	0.005	
m,p Xylene	0.001	0.010	0.006	0.011	0.002	0.003	0.009	0.005	0.024	0.006	0.009	0.005	0.011	0.007	0.001	0.011	
o Xylene	0.001	0.002	0.002	0.004	0.001	0.005	0.002	0.013	0.002	0.003	0.002	0.004	0.003	0.001	0.002	0.004	
Total Xylene	0.002	0.012	0.008	0.015	0.001	<b>0.001</b>	0.014	0.007	0.037	0.008	0.012	0.007	0.015	0.010	0.002	0.015	
Total BTEX	0.005	1.183	0.918	0.764	0.184	0.161	0.141	0.146	0.155	0.015	0.215	0.050	0.046	0.039	0.056	0.049	0.075

Monitor Well # 14



**Monitor Well # 25**  
**Bell State "A"**  
**Sampling Results**

Lab. #	17265	18601	20611	22784	25170	28454	31489	36152	38926	0101098-10	101642.1
Sample Date	4/1/99	7/14/99	10/6/99	1/8/00	4/13/00	7/20/00	9/26/00	1/5/01	4/5/01	7/7/01	9/26/01
<b>Benzene</b>	0.006	<b>0.012</b>	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001
<b>Toluene</b>	0.004	0.010	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
<b>Ethylbenzene</b>	0.004	0.002	0.001	0.001	0.002	0.002	0.003	0.001	0.001	0.003	0.005
<b>m,p Xylene</b>	0.005	0.006	0.001	0.004	0.005	0.005	0.010	0.001	0.001	0.006	0.016
<b>o Xylene</b>	0.004	0.004	0.001	0.002	0.002	0.002	0.004	0.001	0.001	0.002	0.006
<b>Total Xylene</b>	0.009	0.010	0.002	0.006	0.007	0.007	0.014	0.002	0.002	0.008	0.022
<b>Total BTEX</b>	0.023	0.034	0.005	0.010	0.013	0.011	0.019	0.005	0.005	0.013	0.029

Monitor Well # 25

