NM2 - 12

MONITORING REPORTS YEAR(S):

2003-2000

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

March 4, 2004

Mr. Rodney Bailey
ChevronTexaco
15 Smith Road
Midland, TX, 79705

RE: Approval of Discontinued Maintenance Status and Application of Additional Lifts
Texaco E &P Inc., Permit NM-02-0012
W/2 of Section 17, Township 24 South, Range 36 East, NMPM,
Lea County, New Mexico

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has received ChevronTexaco's letter dated February 19, 2004 for discontinue maintenance status and authorization to apply an additional lift of contaminated soil. Based on the analytical information provided Cells 17, 19, 20, and 24 are **hereby approved** for discontinued maintenance status and the addition of another lift of contaminated soil. Note that with the addition of successive lifts ChevronTexaco must resume maintenance and treatment zone monitoring. The treatment zone monitoring depth must be adjusted to reach the 2-3 foot zone below the native ground surface. If ChevronTexaco wants to move the soils from the facility separate OCD authorization must be granted.

Please be advised that OCD approval does not relieve ChevronTexaco of liability should their operation result in pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve ChevronTexaco of the responsibility for compliance with other federal, state, local laws and/or regulations.

If you have any questions please do not hesitate to contact me at (505) 476-3488.

Sincerely,

Martyne J. Kieling
Environmental Geologist

xc: OCD Hobbs Office

Permian Business Unit
North America Upstream
15 Smith Road
Midland, TX 79705
Tel (915) 687-7251
Fax (915) 687-7110
bailerg@chevrontexaco.com

Rodney Bailey
HES Champion

ChevronTexaco

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Date: February 19, 2004

Ms. Martyne J. Kieling
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Landfarm Cells Closure Request: (Permit NM-02-0012), W2, Section 17, Township 24 South, Range 36 East, Lea county, New Mexico

ChevronTexaco is requesting closure on cells 17, 19, 20 and 24. The Annual Report sent in by Larson & Associates, dated February 10, 2004, shows the TPH level in these cells are below our permit level of 500 mg/kg.

If you have any question or additional information is needed please call me at 915-687-7251.

Sincerely,

Rodney Bailey
ChevronTexaco
HES Champion

Larson & Associates, Inc.
Environmental Consultants

RECEIVED

FEB 13 2004

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

February 10, 2004

VIA FACSIMILE: (505) 476-3462

Ms. Martyne J. Kieling
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2003 Annual Monitoring Report, ChevronTexaco Exploration and Production Inc., Centralized Waste Management Facility (Permit NM-02-0012), W/2, Section 17, Township 24 South, Range 36 East, Lea County, New Mexico

Dear Ms. Kieling:

ChevronTexaco Exploration and Production Inc. (ChevronTexaco), as successor to Texaco Exploration and Production Inc. (Texaco), has retained Larson & Associates, Inc. (LA) to perform soil monitoring at its centralized waste management facility (Facility), located in the west half (W/2), Section 17, Township 24 South, Range 36 East, Lea County, New Mexico. The Facility is operated in accordance with a permit (NM-02-0012) issued by the New Mexico Oil Conservation Division (NMOCD) that requires quarterly (4 times per year) monitoring of native soil in the treatment zone, approximately 2 to 3 feet below native ground surface, for total petroleum hydrocarbon (TPH), benzene and total BTEX (sum of benzene, toluene, ethylbenzene and xylene), and annual once per year) monitoring for metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), cations (calcium, magnesium, sodium and potassium), and anions (bicarbonate, sulfate and chloride). Result of treatment zone samples are compared to background concentrations that were determined from a soil obtained prior to construction of the Facility. Contaminated soil in treatment cells also requires periodic sampling or TPH and BTEX to ensure that concentrations of these contaminants are below the permitted remediation limits of 10 milligrams per kilogram (mg/kg), 50 mg/kg and 500 mg/kg for benzene, BTEX and TPH, respectively. This report presents the results of quarterly and annual soil monitoring conducted during 2003. Figure 1 presents a topographic map. Figure 2 presents a general location map.

Background

Prior to 2003, Environmental Plus, Inc. (EPI), located in Eunice, New Mexico, had performed monitoring activities at the Facility. On July 10, 2002, EPI compiled the laboratory results of quarterly and annual monitoring for 2002 in a document titled, "*ChevronTexaco Land Farm (CTLF), W/2, S17, T24S, R36E, NMPM, Lea County, New Mexico, Annual Report for 2002*", which was submitted to the NMOCD. The report included laboratory analysis of treatment zone and contaminated (lift) zone soil samples collected at cells 1 through 16 on August 29, 2001, November 26, 2001, February 28, 2002 and June 5, 2002. On March 11, 2003, the NMOCD issued a response that presented concerns for elevated levels of TPH, chloride and some metals that were reported in treatment zone samples. The NMOCD requested an explanation for the apparent vertical migration of contaminants into the treatment zone, and documentation for the following:

- Type of equipment used and depth to which the plow/disc is reaching into the subsurface;
- Sampling procedures and equipment used to take samples the treatment zone sample
- Depth at which the treatment zone samples have been taken; and
- Differences in the laboratory or analytical methods used.

The NMOCD requested that during the next quarterly sampling event the samples must be collected below the turning depth of the equipment that has been used, and additional care must be taken with the sampling equipment so as to minimize cross contamination, and contaminated soil from the surface falling back into the hole.

On May 5 and 6, 2003, LA collected treatment zone samples from cells 1 through 18 to address the NMOCD concerns. The samples were collected using a portable stainless steel hand auger, which was thoroughly washed between events using a solution of laboratory-grade detergent and water, and rinsed with distilled water. Contaminated soil was scraped from the locations, and a surface casing was placed over the native soil to prevent contaminated soil from falling into the hole during sampling. The samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas, Inc. (ELTI), located in Odessa, Texas. The samples were analyzed for TPH using method SW-846-8015 for gasoline range organics (GRO) and diesel range organics (DRO), benzene and total BTEX using method SW-846-8021B. The laboratory results were submitted to the NMOCD on June 2, 2003. On June 3, 2003, ChevronTexaco submitted the laboratory results of lift (contaminated) zone samples that were collected from cells 1 through 16 on November 26, 2002. The benzene, BTEX and TPH results were below regulatory thresholds, and the NMOCD granted ChevronTexaco permission discontinue maintenance (i.e., tilling), and to place a successive lift of contaminated soil in the cells. Verbal approval was received on July 21, 2003, and written approval was received on July 29, 2003. No soil additional lifts of soil have been placed in cells 1 through 16.

3rd and 4th Quarter 2003 Monitoring Results

Soil transported to the Facility during 2003 was placed in cells 17 through 24. On August 7, 2003 and October 8, 2003, LA collected soil samples from the treatment and contaminated zones at cells 17 through 24. The samples were collected using the method previously described, and delivered under chain-of-custody control to ELTI. The laboratory analyzed the samples for TPH and BTEX using methods SW-846-8015 and SW-846-8021B, respectively. The treatment zone samples (October 8, 2003) were analyzed for metals, cations and anions, in addition to TPH and BTEX. Table 1 presents a summary of TPH and BTEX analysis of the contaminated zone samples. Table 2 presents a summary of the BTEX and TPH analysis of the treatment zone samples. Table 3 presents a summary of the metals analysis of the treatment zone samples. Table 4 presents a summary of the cation and anion analysis of the treatment zone samples. Figure 3 presents a Facility drawing showing the treatment cell locations. Appendix A presents the laboratory reports.

Referring to Table 1, TPH exceeded 500 mg/kg in contaminated soil from cells 18, 21, 22 and 23, and maintenance will continue until TPH is reduced to 500 mg/kg. The soils from cells 17, 19, 20 and 24 reported TPH below 500 mg/kg, and maintenance has been discontinued. Referring to Table 2, all treatment zone samples, except 18 (263 mg/kg), 19 (11.8 mg/kg) and 23

(70.4 mg/kg) reported TPH below the method detection limits. The TPH in the remaining samples is thought to be the result of contaminated soil falling into the borings, after precautions to minimize cross contaminations during sampling was exercised. Direct-push sampling technology is proposed for future events to further minimize cross contamination. Benzene and total BTEX were below the method detection limits in all treatment zone samples on October 13, 2003, except cell 18. Benzene and total BTEX were detected at 0.039 mg/kg and 0.585 mg/kg, respectively. The benzene and total BTEX concentrations were elevated above background, but were below the maximum concentration allowed by the NMOCD for spills, leaks and releases involving crude oil. Concentrations of metals, cations and anions, except calcium, magnesium potassium, chloride and sulfate, were within background concentrations. Calcium, magnesium, potassium, sodium and sulfate were elevated above background in some samples, and may be influenced by caliche that occurs beneath the treatment zone at about 3 feet below natural ground surface. Chloride was consistent with background in all samples, except 17 (195 mg/kg) and 19 (62 mg/kg). However, the chloride levels are well below the New Mexico Water Quality Control Commission (NMWQCC) domestic water quality standard of 250 milligrams per liter (mg/L). Please contact Mr. Rodney Bailey at (432) 687-7251 or myself at (432) 687-0901 if you have questions. We may also be reached by email at bailerg@chevrontexaco .com or mark@Laenvironmental.com.

Sincerely

Larson and Associates, Inc.

Mark J. Larson, CGP, CGWP
President

Encl.

cc: Rodney G. Bailey
NMOCD District 1 - Hobbs

Tables

Table 1
Summary of TPH and BTEX Analysis of Contaminated Soil
ChevronTexaco Centralized Waste Management Facility
Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Cell	Sample Depth (Feet)	Sample Date	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)
Regulatory Threshold:					**500**	**10**				**50**
17	0 - 1	07-Aug-03	<10.0	186	186	<0.025	<0.025	<0.025	<0.025	<0.10
18	0 - 1	07-Aug-03	<50.0	3,600	3,600	<0.025	<0.025	<0.025	<0.025	<0.10
	0 - 1	09-Oct-03	<100.00	2,610	2,610	<0.025	0.036	0.046	0.059	0.141
19	0 - 1	07-Aug-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
20	0 - 1	07-Aug-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
21	0 - 1	07-Aug-03	<50.0	3,130	3,130	<0.025	<0.025	<0.025	<0.025	<0.10
	0 - 1	09-Oct-03	<50.0	1,920	1,920	<0.025	<0.025	<0.025	<0.025	<0.10
22	0 - 1	07-Aug-03	<10.0	672	672	<0.025	<0.025	<0.025	<0.025	<0.10
	0 - 1	09-Oct-03	<50.0	925	925	<0.025	<0.025	<0.025	<0.025	<0.10
23	0 - 1	07-Aug-03	<50.0	1,060	1,060	<0.025	<0.025	<0.025	<0.025	<0.10
	0 - 1	09-Oct-03	<50.0	1,310	1,310	<0.025	<0.025	<0.025	<0.025	<0.10
24	0 - 1	07-Aug-03	<10.0	166	166	<0.025	<0.025	<0.025	<0.025	<0.10

Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas
1. Feet: Below top of contaminated soil
2. mg/kg: Milligrams per kilogram
3. <: Less than method detection limit

Table 2
Summary of TPH and BTEX Analysis of Native Soil Samples
ChevronTexaco Centralized Waste Management Facility
Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Cell	*Sample Depth (Feet)	Sample Date	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)
Background (24-Jun-98):			**<5**	**--**	**<5**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.2**
17	2 - 3	07-Aug-03	<10.0	30.7	30.7	<0.025	<0.025	<0.025	<0.025	<0.10
18	2 - 3	07-Aug-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
	2 - 3	09-Oct-03	<10.0	263	263	0.039	0.113	0.125	0.308	0.585
19	2 - 3	07-Aug-03	<10.0	67.5	67.5	<0.025	<0.025	<0.025	<0.025	<0.10
	2 - 3	09-Oct-03	<10.0	11.8	11.8	<0.025	<0.025	<0.025	<0.025	<0.10
20	2 - 3	07-Aug-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
21	2 - 3	07-Aug-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
	2 - 3	09-Oct-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
22	2 - 3	07-Aug-03	<10.0	170	170	<0.025	<0.025	<0.025	<0.025	<0.10
	2 - 3	09-Oct-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10
23	2 - 3	07-Aug-03	<10.0	89.9	89.9	<0.025	<0.025	<0.025	<0.025	<0.10
	2 - 3	09-Oct-03	<10.0	70.4	70.4	<0.025	<0.025	<0.025	<0.025	<0.10
24	2 - 3	07-Aug-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025	<0.10

Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas

1. Feet: Below native ground surface
2. mg/kg: Milligrams per kilogram
3. <: Less than test method detection limit
4. --: No data available

Table 3
Summary of Total Metal Analysis of Treatment Zone Soil Samples
ChevronTexaco Centralized Waste Management Facility
Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Cell	Depth (Feet)	Sample Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
Background (24-Jun-98):			**<5.0**	**45**	**<2.0**	**6.1**	**<5.0**	**<0.25**	**<5.0**	**<5.0**
17	2 - 3	09-Oct-03	1.44	38.5	0.206	3.76	<0.550	<0.0250	<0.20	<0.10
18	2 - 3	09-Oct-03	2.05	55.2	0.210	4.36	3.0	<0.0250	<0.20	<0.10
19	2 - 3	09-Oct-03	1.34	75.0	0.103	4.06	<0.550	<0.0250	<0.20	<0.10
21	2 - 3	09-Oct-03	2.52	51.2	0.262	6.39	1.05	<0.0250	<0.20	<0.10
22	2 - 3	09-Oct-03	2.29	54.1	0.260	5.46	1.35	<0.0250	<0.20	<0.10
23	2 - 3	09-Oct-03	2.02	58.0	0.259	6.0	1.14	<0.0250	<0.20	<0.10

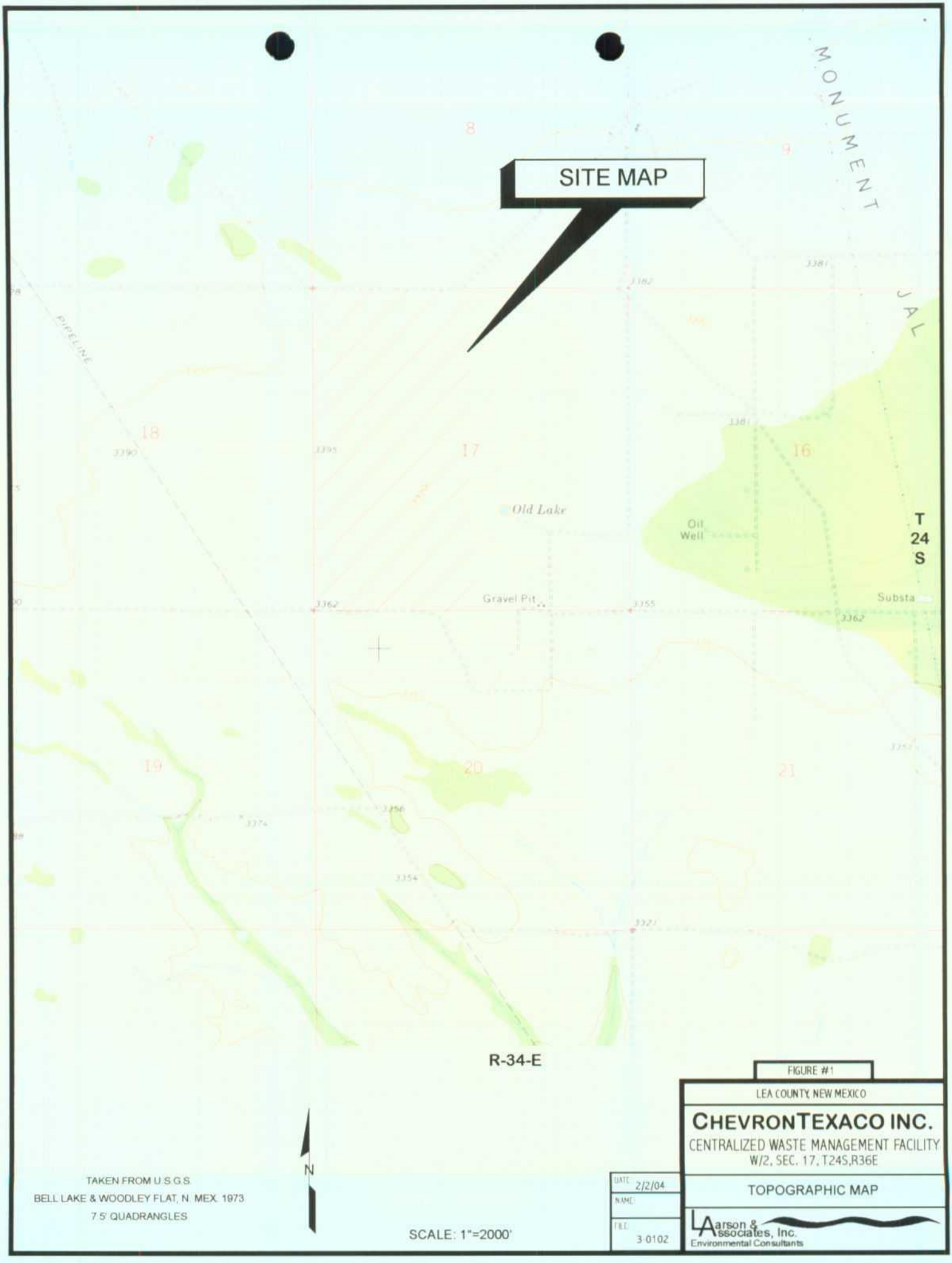
Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas
1. Feet: Below native ground surface
2. mg/kg: Milligrams per kilogram
3. <: Less than method detection limit

Table 4
Summary of Cation and Anion Analysis of Treatment Zone Soil Samples
ChevronTexaco Centralized Waste Management Facility
Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Cell	Depth (Feet)	Sample Date	Calcium (mg/kg)	Magnesium (mg/kg)	Potassium (mg/kg)	Sodium (ug/kg)	Bicarbonate (mg/kg)	Carbonate (mg/kg)	Chloride (mg/kg)	Hydroxide (mg/kg)	Sulfate (mg/kg)	Fluoride (mg/kg)	Nitrate - N (mg/kg)
Background (24-Jun-98):			**800**	**49**	**39**	**5.1**	**3,500**	**80**	**10**	**--**	**2.2**	**1.7**	**2.2**
17	2 - 3	09-Oct-03	7,010	768	706	321	62.5	<0.25	195	<0.25	75.1	2.84	12.6
18	2 - 3	09-Oct-03	25,400	1,030	893	213	90.0	<0.25	<50.0	<0.25	87.2	2.79	2.50
19	2 - 3	09-Oct-03	23,600	2,860	714	185	40.0	<0.25	62.0	<0.25	546	2.63	2.83
21	2 - 3	09-Oct-03	3,590	1,390	1,160	7.7	45.0	<0.25	<50.0	<0.25	19.8	2.25	4.16
22	2 - 3	09-Oct-03	8,640	1,380	682	48.3	75.0	<0.25	<50.0	<0.25	19.3	2.32	1.69
23	2 - 3	09-Oct-03	4,610	1,270	699	16.1	45.0	<0.25	<50.0	<0.25	305	2.24	28.5

Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas
1. Feet: Below native ground surface
2. mg/kg: Milligrams per kilogram
3. <: Less than method detection limit

Figures


SITE MAP
MONUMENT
JAL
PIPELINE
Old Lake
Oil Well
Gravel Pit
Substa
T 24 S
R-34-E
N
TAKEN FROM U.S.G.S.
BELL LAKE & WOODLEY FLAT, N. MEX. 1973
7.5' QUADRANGLES
SCALE: 1"=2000'
FIGURE #1
LEA COUNTY, NEW MEXICO
CHEVRONTEXACO INC.
CENTRALIZED WASTE MANAGEMENT FACILITY
W/2, SEC. 17, T24S,R36E
TOPOGRAPHIC MAP
DATE: 2/2/04
NAME:
FILE: 3-0102
Larson & Associates, Inc.
Environmental Consultants

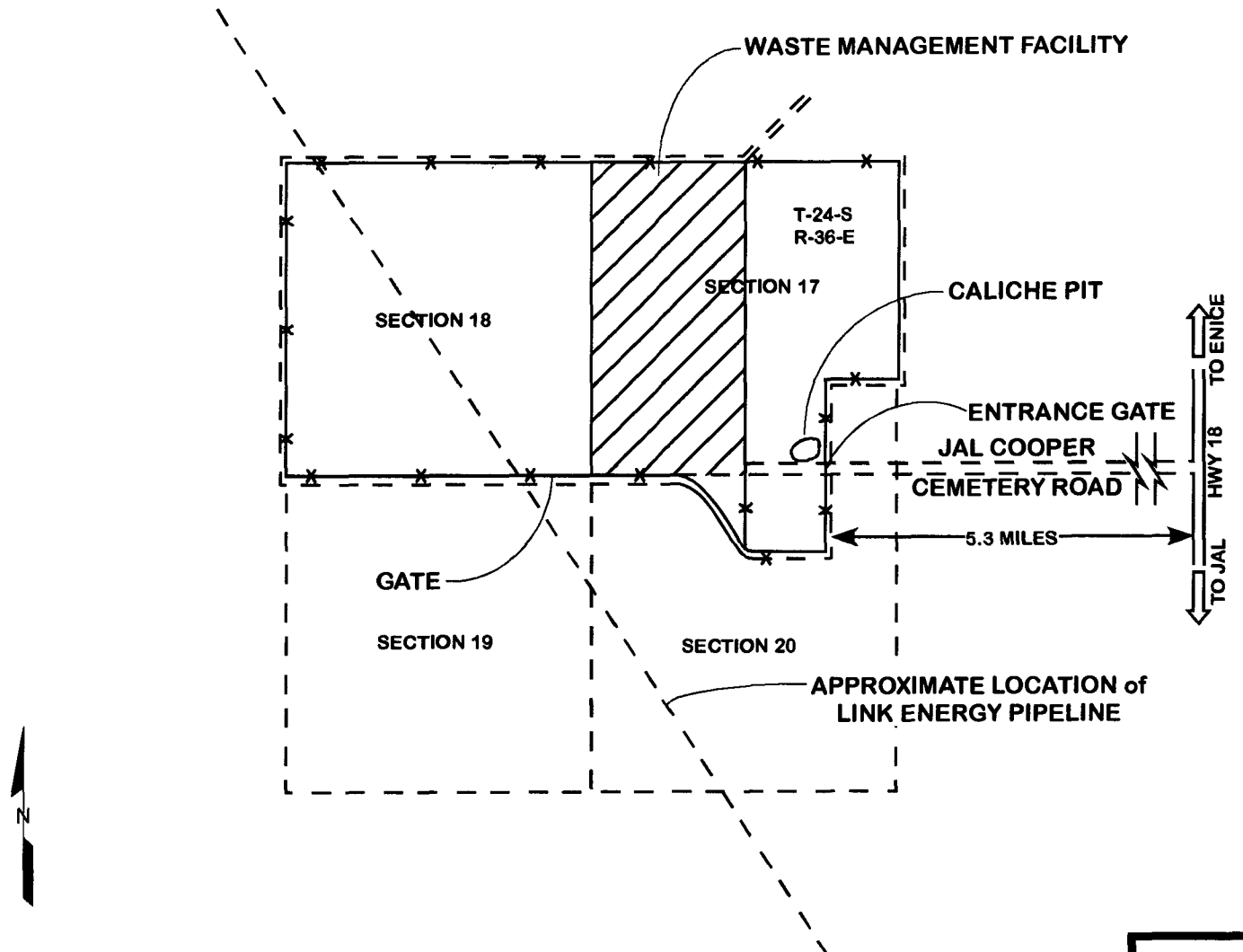


FIGURE #2

LEA COUNTY, NEW MEXICO

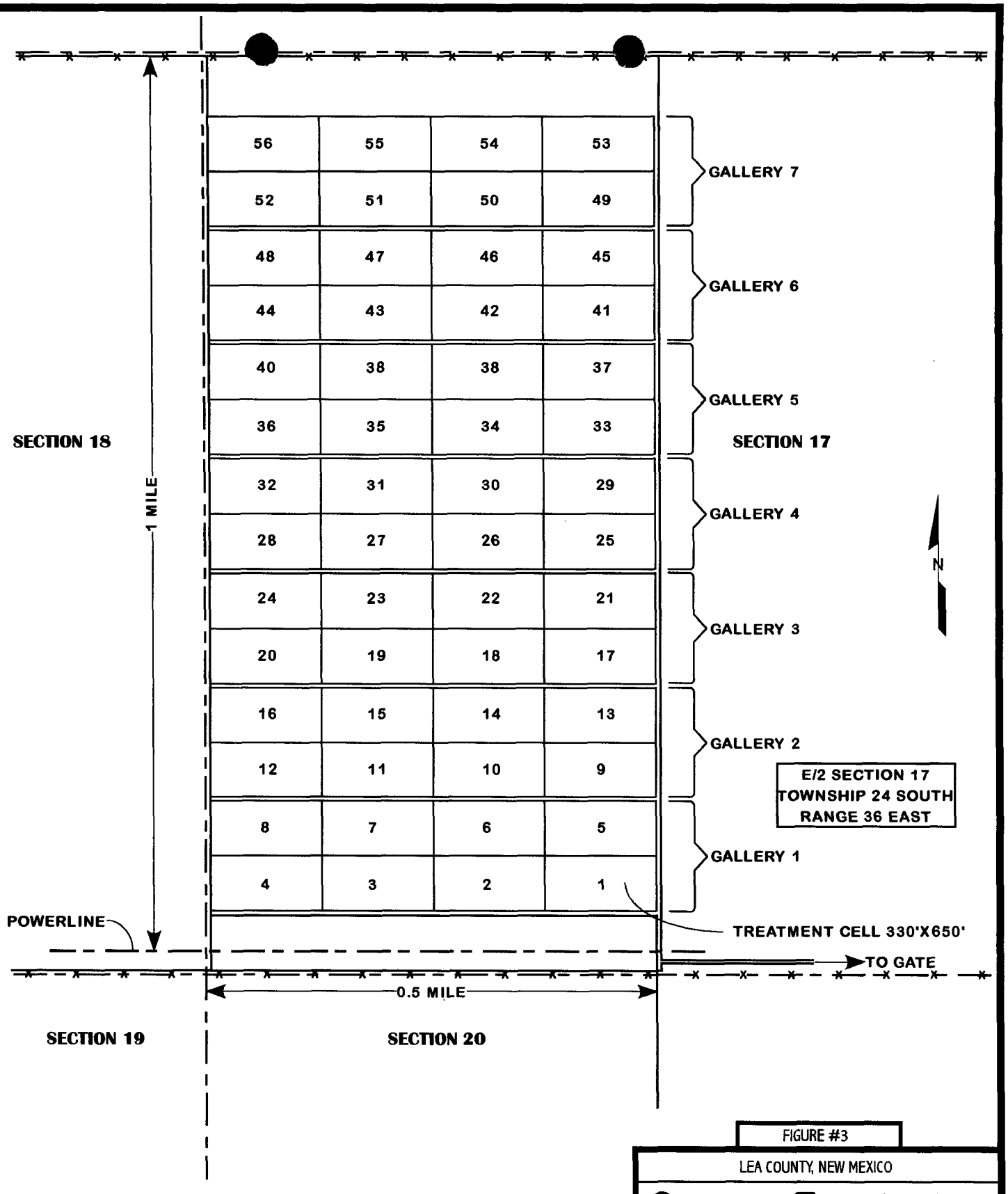
CHEVRONTEXACO INC.

CENTRALIZED WASTE MANAGEMENT FACILITY
W/2, SEC. 17, T24S,R36E

SITE LOCATION

DATE: 2/2/04
NAME:
FILE: 3-0102

Larson & Associates, Inc.
Environmental Consultants



NOTE: ALL ROADS ARE 20' WIDE
EACH CELL is 650' X 330'

FIGURE #3

LEA COUNTY, NEW MEXICO

CHEVRONTEXACO INC.

CENTRALIZED WASTE MANAGEMENT FACILITY
W/2, SEC. 17, T24S,R36E

DETAILED SITE DRAWING

DATE: 2/2/04
NAME:
FILE: 3-0102

LAarson & Associates, Inc.
Environmental Consultants

Appendix A

Laboratory Reports

ANALYTICAL REPORT

Prepared for:

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project:	Land Farm
PO#:	
Order#:	G0307172
Report Date:	02/05/2004

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0307172-01	Cell # 3	SOIL	8/6/03 13:25	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		
0307172-02	Cell # 4	SOIL	8/6/03 14:10	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		
0307172-03	Cell # 8	SOIL	8/6/03 14:20	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		
0307172-04	Cell # 6	SOIL	8/6/03 14:28	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		
0307172-05	Cell # 10	SOIL	8/6/03 14:38	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		
0307172-06	Cell # 12	SOIL	8/6/03 14:45	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		
0307172-07	Cell # 17 (0-1) Impacted	SOIL	8/7/03 8:43	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 3.5 C		
0307172-08	Cell # 17 (2-3) Native	SOIL	8/7/03 8:52	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M	Rejected: No		Temp: 3.5 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8021B/5030 BTEX					
0307172-09	Cell # 18 (0-1) Impacted	SOIL	8/7/03 9:15	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M					
	8021B/5030 BTEX					
0307172-10	Cell # 18 (2-3) Native	SOIL	8/7/03 9:25	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M					
	8021B/5030 BTEX					
0307172-11	Cell # 19 (0-1) Impacted	SOIL	8/7/03 9:40	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M					
	8021B/5030 BTEX					
0307172-12	Cell # 19 (2-3) Native	SOIL	8/7/03 12:35	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M					
	8021B/5030 BTEX					
0307172-13	Cell # 20 (0-1) Impacted	SOIL	8/7/03 10:07	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M					
	8021B/5030 BTEX					
0307172-14	Cell # 20 (2-3) Native	SOIL	8/7/03 12:45	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0307172-15	Cell # 21 (0-1) Impacted	SOIL	8/7/03 10:25	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 3.5 C		
0307172-16	Cell # 21 (2-3') Native	SOIL	8/7/03 13:35	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 3.5 C		
0307172-17	Cell # 22 (0-1') Impacted	SOIL	8/7/03 10:30	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 3.5 C		
0307172-18	Cell # 23 Impacted (0-1)	SOIL	8/7/03 12:15	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 3.5 C		
0307172-19	Cell # 23 Native (2-3')	SOIL	8/7/03 13:07	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 3.5 C		
0307172-20	Cell # 24 Impacted (0-1')	SOIL	8/7/03 12:25	8/7/03 17:20	4 oz glass	ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 3.5 C		
0307172-21	Cell # 24 Native (2-3')	SOIL	8/7/03 12:55	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0307172-22	Cell #33 (2-3') Native	SOIL	8/7/03 13:20	8/7/03 17:20	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 3.5 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-01
Sample ID: Cell # 3

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	11.6	10.0
TOTAL, C6-C35	11.6	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	89%	70	130
1-Chlorooctadecane	87%	70	130

Lab ID: 0307172-02
Sample ID: Cell # 4

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	220	10.0
TOTAL, C6-C35	220	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	98%	70	130
1-Chlorooctadecane	96%	70	130

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-03
Sample ID: Cell # 8

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	101%	70	130
1-Chlorooctadecane	95%	70	130

Lab ID: 0307172-04
Sample ID: Cell # 6

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	99%	70	130
1-Chlorooctadecane	92%	70	130

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-05
Sample ID: Cell # 10

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	10.6	10.0
TOTAL, C6-C35	10.6	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	116%	70	130
1-Chlorooctadecane	106%	70	130

Lab ID: 0307172-06
Sample ID: Cell # 12

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	100%	70	130

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-07
Sample ID: Cell # 17 (0-1) Impacted

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	186	10.0
TOTAL, C6-C35	186	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	100%	70	130
1-Chlorooctadecane	98%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 19:05	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	93%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-08
Sample ID: Cell # 17 (2-3) Native

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	30.7	10.0
TOTAL, C6-C35	30.7	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	98%	70	130
1-Chlorooctadecane	93%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 19:27	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	100%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-09
Sample ID: Cell # 18 (0-1) Impacted

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	3,600	50.0
TOTAL, C6-C35	3,600	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	20%	70	130
1-Chlorooctadecane	19%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 19:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	87%	80	120
Bromofluorobenzene	85%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-10
Sample ID: Cell # 18 (2-3) Native

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	114%	70	130
1-Chlorooctadecane	98%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 20:11	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	98%	80	120
Bromofluorobenzene	100%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-11
Sample ID: Cell # 19 (0-1) Impacted

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	97%	70	130
1-Chlorooctadecane	86%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 20:33	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	80	120
Bromofluorobenzene	100%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-12
Sample ID: Cell # 19 (2-3) Native

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	67.5	10.0
TOTAL, C6-C35	67.5	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	102%	70	130
1-Chlorooctadecane	88%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 20:55	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	91%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-13
Sample ID: Cell # 20 (0-1) Impacted

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	98%	70	130
1-Chlorooctadecane	84%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006451-02		8/8/03 21:18	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	98%	80	120
Bromofluorobenzene	99%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-14
Sample ID: Cell # 20 (2-3) Native

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	92%	70	130
1-Chlorooctadecane	94%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/8/03 23:31	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	92%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-15
Sample ID: Cell # 21 (0-1) Impacted

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	3,130	50.0
TOTAL, C6-C35	3,130	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	22%	70	130
1-Chlorooctadecane	20%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 10:26	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	104%	80	120
Bromofluorobenzene	90%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-16
Sample ID: Cell # 21 (2-3') Native

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	115%	70	130
1-Chlorooctadecane	108%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 10:48	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	103%	80	120
Bromofluorobenzene	100%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-17
Sample ID: Cell # 22 (0-1') Impacted

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	672	10.0
TOTAL, C6-C35	672	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	111%	70	130
1-Chlorooctadecane	112%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 11:10	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	102%	80	120
Bromofluorobenzene	96%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-18
Sample ID: Cell # 23 Impacted (0-1)

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	1,060	50.0
TOTAL, C6-C35	1,060	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	22%	70	130
1-Chlorooctadecane	22%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 11:32	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	94%	80	120
Bromofluorobenzene	95%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-19
Sample ID: Cell # 23 Native (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	89.9	10.0
TOTAL, C6-C35	89.9	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	102%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 11:54	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	80	120
Bromofluorobenzene	101%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-20
Sample ID: Cell # 24 Impacted (0-1')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	166	10.0
TOTAL, C6-C35	166	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	104%	70	130
1-Chlorooctadecane	101%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 12:16	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	99%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-21
Sample ID: Cell # 24 Native (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	111%	70	130
1-Chlorooctadecane	105%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 12:38	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	95%	80	120
Bromofluorobenzene	100%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172
Project: 1-0101
Project Name: Land Farm
Location: None Given

Lab ID: 0307172-22
Sample ID: Cell #33 (2-3') Native

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/8/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	170	10.0
TOTAL, C6-C35	170	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	116%	70	130
1-Chlorooctadecane	106%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006466-02		8/11/03 13:00	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	98%	80	120
Bromofluorobenzene	101%	80	120

Approval: Raland K Tuttle 2-05-04
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

8015M

Order#: G0307172

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0006457-02			<10.0		
TOTAL, C6-C35-mg/kg	0006471-02			<10.0		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0006457-03		952	745	78.3%	
TOTAL, C6-C35-mg/kg	0006471-03		952	807	84.8%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0006471-04		952	760	79.8%	6.%
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0307172-01	11.6	952	1019	105.8%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0307172-01	11.6	952	997	103.5%	2.2%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0006457-05		1000	1160	116.%	
TOTAL, C6-C35-mg/kg	0006471-05		1000	858	85.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307172

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0006451-02			<0.025		
Benzene-mg/kg	0006466-02			<0.025		
Toluene-mg/kg	0006451-02			<0.025		
Toluene-mg/kg	0006466-02			<0.025		
Ethylbenzene-mg/kg	0006451-02			<0.025		
Ethylbenzene-mg/kg	0006466-02			<0.025		
p/m-Xylene-mg/kg	0006451-02			<0.025		
p/m-Xylene-mg/kg	0006466-02			<0.025		
o-Xylene-mg/kg	0006451-02			<0.025		
o-Xylene-mg/kg	0006466-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0307172-13	0	0.1	0.088	88.%	
Benzene-mg/kg	0307188-03	0	0.1	0.080	80.%	
Toluene-mg/kg	0307172-13	0	0.1	0.087	87.%	
Toluene-mg/kg	0307188-03	0	0.1	0.080	80.%	
Ethylbenzene-mg/kg	0307172-13	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg	0307188-03	0	0.1	0.084	84.%	
p/m-Xylene-mg/kg	0307172-13	0	0.2	0.187	93.5%	
p/m-Xylene-mg/kg	0307188-03	0	0.2	0.170	85.%	
o-Xylene-mg/kg	0307172-13	0	0.1	0.093	93.%	
o-Xylene-mg/kg	0307188-03	0	0.1	0.085	85.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0307172-13	0	0.1	0.090	90.%	2.2%
Benzene-mg/kg	0307188-03	0	0.1	0.087	87.%	8.4%
Toluene-mg/kg	0307172-13	0	0.1	0.089	89.%	2.3%
Toluene-mg/kg	0307188-03	0	0.1	0.086	86.%	7.2%
Ethylbenzene-mg/kg	0307172-13	0	0.1	0.092	92.%	0.%
Ethylbenzene-mg/kg	0307188-03	0	0.1	0.090	90.%	6.9%
p/m-Xylene-mg/kg	0307172-13	0	0.2	0.187	93.5%	0.%
p/m-Xylene-mg/kg	0307188-03	0	0.2	0.183	91.5%	7.4%
o-Xylene-mg/kg	0307172-13	0	0.1	0.092	92.%	1.1%
o-Xylene-mg/kg	0307188-03	0	0.1	0.092	92.%	7.9%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0006451-05		0.1	0.092	92.%	
Benzene-mg/kg	0006466-05		0.1	0.085	85.%	
Toluene-mg/kg	0006451-05		0.1	0.092	92.%	
Toluene-mg/kg	0006466-05		0.1	0.084	84.%	
Ethylbenzene-mg/kg	0006451-05		0.1	0.094	94.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307172

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ethylbenzene-mg/kg	0006466-05		0.1	0.087	87.%	
p/m-Xylene-mg/kg	0006451-05		0.2	0.190	95.%	
p/m-Xylene-mg/kg	0006466-05		0.2	0.176	88.%	
o-Xylene-mg/kg	0006451-05		0.1	0.094	94.%	
o-Xylene-mg/kg	0006466-05		0.1	0.088	88.%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307172

Project: Land Farm

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
Cell # 3	0307172-01	SOIL	08/06/2003	08/07/2003
Cell # 4	0307172-02	SOIL	08/06/2003	08/07/2003
Cell # 8	0307172-03	SOIL	08/06/2003	08/07/2003
Cell # 6	0307172-04	SOIL	08/06/2003	08/07/2003
Cell # 10	0307172-05	SOIL	08/06/2003	08/07/2003
Cell # 12	0307172-06	SOIL	08/06/2003	08/07/2003
Cell # 17 (0-1) Impa	0307172-07	SOIL	08/07/2003	08/07/2003
Cell # 17 (2-3) Nativ	0307172-08	SOIL	08/07/2003	08/07/2003
Cell # 18 (0-1) Impac	0307172-09	SOIL	08/07/2003	08/07/2003
Cell # 18 (2-3) Nativ	0307172-10	SOIL	08/07/2003	08/07/2003
Cell # 19 (0-1) Impac	0307172-11	SOIL	08/07/2003	08/07/2003
Cell # 19 (2-3) Nativ	0307172-12	SOIL	08/07/2003	08/07/2003
Cell # 20 (0-1) Impac	0307172-13	SOIL	08/07/2003	08/07/2003
Cell # 20 (2-3) Nativ	0307172-14	SOIL	08/07/2003	08/07/2003
Cell # 21 (0-1) Impac	0307172-15	SOIL	08/07/2003	08/07/2003
Cell # 21 (2-3') Nativ	0307172-16	SOIL	08/07/2003	08/07/2003
Cell # 22 (0-1') Impa	0307172-17	SOIL	08/07/2003	08/07/2003
Cell # 23 Impacted (0	0307172-18	SOIL	08/07/2003	08/07/2003
Cell # 23 Native (2-3'	0307172-19	SOIL	08/07/2003	08/07/2003
Cell # 24 Impacted (0	0307172-20	SOIL	08/07/2003	08/07/2003
Cell # 24 Native (2-3'	0307172-21	SOIL	08/07/2003	08/07/2003
Cell #33 (2-3') Nativ	0307172-22	SOIL	08/07/2003	08/07/2003

Surrogate recoveries on the 8015M TPH are outside of control limits due to dilution (G0307172-09,15 &18.)

CASE NARRATIVE
ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: **G0307172**

Project: **Land Farm**

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.

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: [signature] Date: 2-04-04

Environmental Lab of Texas I, Ltd.

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 915-687-0456
915-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Chev. Tx.

SITE MANAGER: Tony Jones

PROJECT NO.: 1-0101

PROJECT NAME: Land Farm

PAGE 1 OF 2

LAB. PO #

	DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015m)	PARAMETERS/METHOD NUMBER: BTEX (8021B)	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
01	8/6	1325		✓		Cell #3	1	✓		0307172	
02	8/6	1410				Cell #4	1	✓			
03	8/6	1420				Cell #8	1	✓			
04	8/6	1428				Cell #6	1	✓			
05	8/6	1439				Cell #10	1	✓			
06	8/6	1445		✓		Cell #12	1	✓			
07	8/7	843		✓		Cell #17 (0-1) Impacted	1	✓	✓		
08	8/7	852				Cell #17 (2-3) Native	1				
09	8/7	0915				Cell #18 (0-1) Impacted					
10	8/7	0925				Cell #18 (2-3) Native					
11	8/7	0940				Cell #19 (0-1) Impacted					
12	8/7	1235				Cell #19 (2-3) Native					
13	8/7	1007				Cell #20 (0-1) Impacted					
14	8/7	1245				Cell #20 (2-3) Native					
15	8/7	1025				Cell #21 (0-1) Impacted					
16	8/7	1335				Cell #21 (2-3) Native					
17	8/7	1030		✓		Cell #22 (0-1) Native					

SAMPLED BY: (Signature) Tony Jones DATE: ____ TIME: ____

RELINQUISHED BY: (Signature) Impacted DATE: 8/7/03 TIME: 1750

RECEIVED BY: (Signature) DATE: ____ TIME: ____

RELINQUISHED BY: (Signature) DATE: ____ TIME: ____

RECEIVED BY: (Signature) DATE: ____ TIME: ____

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #: ____
HAND DELIVERED UPS OTHER: ____

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Env. Lab of Tx
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature) Jana Mcmurrey
DATE: 8-7-3 TIME: 1720

SAMPLE CONDITION WHEN RECEIVED: (Env) 3.5°C 4oz glass

LA CONTACT PERSON:

SAMPLE TYPE:

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 915-687-0456
915-687-0901

CLIENT NAME: Chev. Tx.

SITE MANAGER: Ray Jones

PROJECT NO.: 1-0101

PROJECT NAME: Landfarm

PAGE 2 OF 2

LAB. PO #

	DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: TPH 8021B	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
18	8/7	1215		✓		Cell #23 Impacted (0-1')	1	✓	✓	0307172	
19	8/7	1307		↓		Cell #23 Native (2-3')	1	✓	✓		
20	8/7	1225		↓		Cell #24 Impacted (0-1')	1	✓	✓		
21	8/7	1255		↓		Cell #24 Native (2-3')	1	✓	✓		
22	8/7	1320		✓		Cell #22 ~~Impacted~~ (2-3') Native	1	✓	✓		

SAMPLED BY: (Signature) Ray Jones — DATE: ____ TIME: ____

RELINQUISHED BY: (Signature) — DATE: 8/7/03 TIME: 1730

RECEIVED BY: (Signature) — DATE: ____ TIME: ____

RELINQUISHED BY: (Signature) — DATE: ____ TIME: ____

RECEIVED BY: (Signature) — DATE: ____ TIME: ____

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #: ____
HAND DELIVERED UPS OTHER: ____

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Env. Lab of Tx
ADDRESS: 12600 W-I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: ____ PHONE: 563-1800

RECEIVED BY: (Signature) Jeanne McMurry
DATE: 8-7-3 TIME: 1720

SAMPLE CONDITION WHEN RECEIVED: Intact 3.5°C 4oz glass

LA CONTACT PERSON:

SAMPLE TYPE:

FAX

DATE: February 4, 2004

TO: Jeanne

WITH: Environmental Lab of Texas, Inc.
Odessa, Texas

FAX: (432) 563-1713

FROM: Mark J. Larson

WITH: Larson and Associates, Inc.

cc:

PAGES (with cover): 3

Re: **Revised Chain-of-Custody for Report #G0307172**

Jeanne: Please change the following:

ID	From	To
0307172-16	Cell #21 (2-3') Impacted	Cell #21 (2-3') Native
0307172-17	Cell #22 (0-1') Native	Cell #22 (0-1') Impacted
0307172-22	Cell #22 Impacted (2-3')	Cell #33 (2-3') Native

Larson and Associates, Inc.
507 N. Marienfeld Street
Suite 202
Midland, Texas 79701
(432) 687-0901 (office)
(432) 687-0456 (fax)
mark@LAenvironmental.com

Please call (432) 687-0901 if this transmittal is not legible

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 915-687-0456
915-687-0901

CLIENT NAME: Chev. Tx
SITE MANAGER: Tony Jones
PROJECT NO.: 1-0101
PROJECT NAME: Landfarm
PAGE 2 OF 2
LAB. PO #

PARAMETERS/METHOD NUMBER: TPH 8015M; TPH 8021B

	DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (D.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
18	8/7	1215		✓		cell #23 Imported (0-1)	1	0307172	
19	8/7	1307		✓		cell #23 Native (2-3)	1		
20	8/7	1225		✓		cell #24 Imported (0-1)	1		
21	8/7	1255		✓		cell #24 Native (2-3)	1		
22	8/7	1320		✓		cell #22 ~~Imported~~ Native (2-3')	1		

SAMPLED BY: (Signature) Tony Jones — DATE: ____ TIME: ____

RELINQUISHED BY: (Signature) — DATE: 8/7/03 TIME: 1730

RECEIVED BY: (Signature) — DATE: ____ TIME: ____

RELINQUISHED BY: (Signature) — DATE: ____ TIME: ____

RECEIVED BY: (Signature) — DATE: ____ TIME: ____

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #: ____
HAND DELIVERED UPS OTHER: ____

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Env. Lab of Tx
ADDRESS: 12600 W-I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: ____ PHONE: 563-1800

RECEIVED BY: (Signature) Jaime Mendoza
DATE: 8-7-3 TIME: 1720

SAMPLE CONDITION WHEN RECEIVED: Intact 3.8°C 4oz glass

LA CONTACT PERSON:

SAMPLE TYPE:

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 915-687-0456
915-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Chev. Tx.
SITE MANAGER: [signature]
PROJECT NO.: 1-0101
PROJECT NAME: Land Farm
PAGE 1 OF 2
LAB. PO #

	DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (8015m)	BTEX (8021B)	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
01	8/6	1325		✓		Cell #3	1	✓		0307172	
02	8/6	1410		↓		Cell #4	1	✓			
03	8/6	1420		↓		Cell #8	1	✓			
04	8/6	1428		↓		Cell #6	1	✓			
05	8/6	1438		↓		Cell #10	1	✓			
06	8/6	1445		✓		Cell #12	1	✓			
07	8/7	943		✓		Cell #17 (0-1) Impacted	1	✓	✓		
08	8/7	852		↓		Cell #17 (2-3) Native	1	↓	↓		
09	8/7	0915		↓		Cell #18 (0-1) Impacted	↓	↓	↓		
10	8/7	0925		↓		Cell #18 (2-3) Native	↓	↓	↓		
11	8/7	0940		↓		Cell #19 (0-1) Impactive	↓	↓	↓		
12	8/7	1235		↓		Cell #19 (2-3) Native	↓	↓	↓		
13	8/7	1007		↓		Cell #20 (0-1) Impacted	↓	↓	↓		
14	8/7	1245		↓		Cell #20 (2-3) Native	↓	↓	↓		
15	8/7	1025		↓		Cell #21 (0-1) Impacted	↓	↓	↓		
16	8/7	1335		↓		Cell #21 (2-3) Native ~~Impacted~~	↓	↓	↓		
17	8/7	1030		↓		Cell #22 (0-1) ~~Native~~ Impacted	↓	↓	↓		

SAMPLED BY: (Signature) [signature] DATE: TIME:
RELINQUISHED BY: (Signature) [signature] DATE: 8/7/03 TIME: 1750
RECEIVED BY: (Signature) DATE: TIME:
RELINQUISHED BY: (Signature) DATE: TIME:
RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Env. Lab of Tx
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800
RECEIVED BY: (Signature) [signature] DATE: 8-7-3 TIME: 1720

SAMPLE CONDITION WHEN RECEIVED: 3.5°C 4oz glass
LA CONTACT PERSON:
SAMPLE TYPE:

ANALYTICAL REPORT

Prepared for:

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Texaco Land Farm

PO#:

Order#: G0307688

Report Date: 10/16/2003

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0307688-01	Cell #4 (2-3')	SOIL	10/9/03 10:20	10/9/03 16:15	4 oz glass	ice

Lab Testing: **Rejected:** No **Temp:** 1.5 C

8015M
8021B/5030 BTEX
Anions
Cations
METALS RCRA 7 Total
Fluoride
Mercury, Total
Nitrogen, Nitrate

0307688-02	Cell #17 (2-3')	SOIL	10/9/03 10:50	10/9/03 16:15	4 oz glass	ice

Lab Testing: **Rejected:** No **Temp:** 1.5 C

8015M
8021B/5030 BTEX
Anions
Cations
METALS RCRA 7 Total
Fluoride
Mercury, Total
Nitrogen, Nitrate

0307688-03	Cell #18 (2-3')	SOIL	10/9/03 11:15	10/9/03 16:15	4 oz glass	ice

Lab Testing: **Rejected:** No **Temp:** 1.5 C

8015M
8021B/5030 BTEX
Anions
Cations
METALS RCRA 7 Total
Fluoride
Mercury, Total
Nitrogen, Nitrate

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0307688-04	Cell #19 (2-3')	SOIL	10/9/03 11:50	10/9/03 16:15	4 oz glass	ice

Lab Testing: **Rejected:** No **Temp:** 1.5 C

8015M
8021B/5030 BTEX
Anions
Cations
METALS RCRA 7 Total
Fluoride
Mercury, Total
Nitrogen, Nitrate

0307688-05	Cell #21 (2-3')	SOIL	10/9/03 12:08	10/9/03 16:15	4 oz glass	ice

Lab Testing: **Rejected:** No **Temp:** 1.5 C

8015M
8021B/5030 BTEX
Anions
Cations
METALS RCRA 7 Total
Fluoride
Mercury, Total
Nitrogen, Nitrate

0307688-06	Cell #22 (2-3"0	SOIL	10/9/03 12:29	10/9/03 16:15	4 oz glass	ice

Lab Testing: **Rejected:** No **Temp:** 1.5 C

8015M
8021B/5030 BTEX
Anions
Cations
METALS RCRA 7 Total
Fluoride
Mercury, Total
Nitrogen, Nitrate

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-03
Sample ID: Cell #18 (2-3')

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Nitrogen, Nitrate	2.50	mg/kg	5	2.5	300	10/12/03	RKT

Lab ID: 0307688-04
Sample ID: Cell #19 (2-3')

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	40.0	mg/kg	2.5	5.0	310.1	10/11/03	SB
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	62.0	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	546	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.63	mg/kg	5	2.5	300	10/12/03	RKT
Nitrogen, Nitrate	2.83	mg/kg	5	2.5	300	10/12/03	RKT

Lab ID: 0307688-05
Sample ID: Cell #21 (2-3')

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	45.0	mg/kg	2.5	5.0	310.1	10/11/03	SB
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	<50.0	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	19.8	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.25	mg/kg	5	2.5	300	10/12/03	RKT
Nitrogen, Nitrate	4.16	mg/kg	5	2.5	300	10/12/03	RKT

Lab ID: 0307688-06
Sample ID: Cell #22 (2-3"0

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	75.0	mg/kg	2.5	5.0	310.1	10/11/03	SB

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-06
Sample ID: Cell #22 (2-3"0

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	<50.0	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	19.3	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.32	mg/kg	5	2.5	300	10/12/03	RKT
Nitrogen, Nitrate	1.69	mg/kg	5	2.5	300	10/12/03	RKT

Lab ID: 0307688-07
Sample ID: Cell #23 (2-3')

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	45.0	mg/kg	2.5	5.0	310.1	10/11/03	SB
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	<50.0	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	305	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.24	mg/kg	5	2.5	300	10/12/03	RKT
Nitrogen, Nitrate	28.5	mg/kg	5	2.5	300	10/12/03	RKT

Approval: Celey D. Keene 10/17/03
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.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0307688

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0007117-02			<10.0		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0007117-03		952	774	81.3%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0007117-04		952	779	81.8%	0.6%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0007117-05		1000	939	93.9%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307688

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007106-02			<0.025		
Benzene-mg/kg	0007132-02			<0.025		
Toluene-mg/kg	0007106-02			<0.025		
Toluene-mg/kg	0007132-02			<0.025		
Ethylbenzene-mg/kg	0007106-02			<0.025		
Ethylbenzene-mg/kg	0007132-02			<0.025		
p/m-Xylene-mg/kg	0007106-02			<0.025		
p/m-Xylene-mg/kg	0007132-02			<0.025		
o-Xylene-mg/kg	0007106-02			<0.025		
o-Xylene-mg/kg	0007132-02			<0.025		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007106-03		2.5	2.51	100.4%	
Toluene-mg/kg	0007106-03		2.5	2.50	100.%	
Ethylbenzene-mg/kg	0007106-03		2.5	2.41	96.4%	
p/m-Xylene-mg/kg	0007106-03		5	4.89	97.8%	
o-Xylene-mg/kg	0007106-03		2.5	2.31	92.4%	
CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007106-04		2.5	2.55	102.%	1.6%
Toluene-mg/kg	0007106-04		2.5	2.52	100.8%	0.8%
Ethylbenzene-mg/kg	0007106-04		2.5	2.39	95.6%	0.8%
p/m-Xylene-mg/kg	0007106-04		5	4.84	96.8%	1.%
o-Xylene-mg/kg	0007106-04		2.5	2.32	92.8%	0.4%
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0307704-01	0	0.1	0.108	108.%	
Toluene-mg/kg	0307704-01	0	0.1	0.106	106.%	
Ethylbenzene-mg/kg	0307704-01	0	0.1	0.100	100.%	
p/m-Xylene-mg/kg	0307704-01	0	0.2	0.200	100.%	
o-Xylene-mg/kg	0307704-01	0	0.1	0.096	96.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0307704-01	0	0.1	0.103	103.%	4.7%
Toluene-mg/kg	0307704-01	0	0.1	0.102	102.%	3.8%
Ethylbenzene-mg/kg	0307704-01	0	0.1	0.096	96.%	4.1%
p/m-Xylene-mg/kg	0307704-01	0	0.2	0.193	96.5%	3.6%
o-Xylene-mg/kg	0307704-01	0	0.1	0.090	90.%	6.5%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007106-05		0.1	0.106	106.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307688

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007132-05		0.1	0.104	104.%	
Toluene-mg/kg	0007106-05		0.1	0.109	109.%	
Toluene-mg/kg	0007132-05		0.1	0.107	107.%	
Ethylbenzene-mg/kg	0007106-05		0.1	0.102	102.%	
Ethylbenzene-mg/kg	0007132-05		0.1	0.098	98.%	
p/m-Xylene-mg/kg	0007106-05		0.2	0.204	102.%	
p/m-Xylene-mg/kg	0007132-05		0.2	0.195	97.5%	
o-Xylene-mg/kg	0007106-05		0.1	0.097	97.%	
o-Xylene-mg/kg	0007132-05		0.1	0.094	94.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0307688

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg	0007111-01			<2.0		
Carbonate Alkalinity-mg/kg	0007112-01			<0.10		
Chloride-mg/kg	0007109-01			<50.0		
Hydroxide Alkalinity-mg/kg	0007113-01			<0.10		
SULFATE, 375.4-mg/kg	0007130-01			<2.5		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
SULFATE, 375.4-mg/kg	0007130-02		10	9.73	97.3%	
DUPLICATE SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Bicarbonate Alkalinity-mg/kg	0307688-07	45		45.0		0.%
Carbonate Alkalinity-mg/kg	0307688-07	0		<0.25		0.%
Hydroxide Alkalinity-mg/kg	0307688-07	0		<0.25		0.%
SULFATE, 375.4-mg/kg	0307688-07	305		314		2.9%
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Chloride-mg/kg	0307688-07	0	500	532	106.4%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Chloride-mg/kg	0307688-07	0	500	532	106.4%	0.%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Bicarbonate Alkalinity-mg/kg	0007111-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/kg	0007112-04		0.0496	0.0496	100.%	
Chloride-mg/kg	0007109-04		500	4960	992.%	
Hydroxide Alkalinity-mg/kg	0007113-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/kg	0007130-04		10	10.5	105.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0307688

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg	0007172-02			< 0.50		
Magnesium-mg/kg	0007172-02			< 0.050		
Potassium-mg/kg	0007172-02			< 2.5		
Sodium-mg/kg	0007172-02			< 0.50		
DUPLICATE SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Calcium-mg/kg	0307688-01	5		5,800		0.%
Magnesium-mg/kg	0307688-01	804		780		3.%
Potassium-mg/kg	0307688-01	778		770		1.%
Sodium-mg/kg	0307688-01	79.9		74		7.7%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Calcium-mg/kg	0007172-05		2	1.71	85.5%	
Magnesium-mg/kg	0007172-05		2	2.14	107.%	
Potassium-mg/kg	0007172-05		2	1.83	91.5%	
Sodium-mg/kg	0007172-05		2	1.83	91.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 Total

Order#: G0307688

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0007164-02			< 0.40		
Barium-mg/kg	0007164-02			< 0.050		
Cadmium-mg/kg	0007164-02			< 0.050		
Chromium-mg/kg	0007164-02			< 0.10		
Lead-mg/kg	0007164-02			< 0.55		
Selenium-mg/kg	0007164-02			< 0.20		
Silver-mg/kg	0007164-02			< 0.10		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0007164-03		40	42.8	107.%	
Barium-mg/kg	0007164-03		10	10.8	108.%	
Cadmium-mg/kg	0007164-03		10	10.3	103.%	
Chromium-mg/kg	0007164-03		10	11.1	111.%	
Lead-mg/kg	0007164-03		55	57.6	104.7%	
Selenium-mg/kg	0007164-03		20	21.0	105.%	
Silver-mg/kg	0007164-03		5	4.79	95.8%	
CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0007164-04		40	42.6	106.5%	0.5%
Barium-mg/kg	0007164-04		10	10.8	108.%	0.%
Cadmium-mg/kg	0007164-04		10	10.3	103.%	0.%
Chromium-mg/kg	0007164-04		10	10.5	105.%	5.6%
Lead-mg/kg	0007164-04		55	57.4	104.4%	0.3%
Selenium-mg/kg	0007164-04		20	20.6	103.%	1.9%
Silver-mg/kg	0007164-04		5	4.84	96.8%	1.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0007164-05		1	1.02	102.%	
Barium-mg/kg	0007164-05		1	1.02	102.%	
Cadmium-mg/kg	0007164-05		1	0.992	99.2%	
Chromium-mg/kg	0007164-05		1	1.01	101.%	
Lead-mg/kg	0007164-05		1	1.06	106.%	
Selenium-mg/kg	0007164-05		1	1.05	105.%	
Silver-mg/kg	0007164-05		0.5	0.549	109.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0307688

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg	0007129-01			<2.5		
Mercury, Total-mg/kg	0007137-01			< 0.025		
Nitrogen, Nitrate-mg/kg	0007128-01			<2.50		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Fluoride-mg/kg	0007129-02		3	3.02	100.7%	
Mercury, Total-mg/kg	0007137-02		0.05	0.0545	109.%	
Nitrogen, Nitrate-mg/kg	0007128-02		3	3.17	105.7%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Mercury, Total-mg/kg	0007137-03		0.05	0.0550	110.%	0.9%
DUPLICATE SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Fluoride-mg/kg	0307688-07	2.24		2.31		0.%
Nitrogen, Nitrate-mg/kg	0307688-07	28.5		27.7		2.8%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Fluoride-mg/kg	0007129-04		3	3.15	105.%	
Mercury, Total-mg/kg	0007137-04		0.001	0.00098	98.%	
Nitrogen, Nitrate-mg/kg	0007128-04		3	3.05	101.7%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: **G0307688**

Project: **Texaco Land Farm**

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
Cell #4 (2-3')	0307688-01	SOIL	10/09/2003	10/09/2003
Cell #17 (2-3')	0307688-02	SOIL	10/09/2003	10/09/2003
Cell #18 (2-3')	0307688-03	SOIL	10/09/2003	10/09/2003
Cell #19 (2-3')	0307688-04	SOIL	10/09/2003	10/09/2003
Cell #21 (2-3')	0307688-05	SOIL	10/09/2003	10/09/2003
Cell #22 (2-3"0	0307688-06	SOIL	10/09/2003	10/09/2003
Cell #23 (2-3')	0307688-07	SOIL	10/09/2003	10/09/2003
Cell #18 (0-1')	0307688-08	SOIL	10/09/2003	10/09/2003
Cell #21 (0-1')	0307688-09	SOIL	10/09/2003	10/09/2003
Cell #22 (0-1')	0307688-10	SOIL	10/09/2003	10/09/2003
Cell #23 (0-1')	0307688-11	SOIL	10/09/2003	10/09/2003

Surrogate recoveries on the 8015M TPH are outside of control limits due to dilution. (G0307688-08, 09, 10, & 11)

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: Clay D. Keene Date: 10/16/03

Environmental Lab of Texas I, Ltd.

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 915-687-0456
915-687-0901

CLIENT NAME: Chevron TX

SITE MANAGER:

PROJECT NO.: 30102

PROJECT NAME: Texaco Landfarm

PAGE 1 OF 1

LAB. PO #

	DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH 8015	BTEX 8021B	Metals	Cations	Anions	Chloride, Nitrate	Barium			LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
01	10/9	1020		✓		Cell #4 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓			0307688	
02	10/9	1030		✓		Cell #17 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓				
03	10/9	1115		✓		Cell #18 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓				
04	10/9	1150		✓		Cell #19 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓				
05	10/9	1208		✓		Cell #21 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓				
06	10/9	1229		✓		Cell #22 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓				
07	10/9	1250		✓		Cell #23 (2-3)'	1	✓	✓	✓	✓	✓	✓	✓				
08	10/9	1115		✓		Cell #18 (0-1)'	1	✓	✓									
09	10/9	1208		✓		Cell #21 (0-1)'	1	✓	✓									
10	10/9	1229		✓		Cell #22 (0-1)'	1	✓	✓									
11	10/9	1250		✓		Cell #23 (0-1)'	1	✓	✓									

PARAMETERS/METHOD NUMBER

SAMPLED BY: (Signature) [signature] DATE: 10/9/03 TIME: 1301

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) [signature] DATE: 10/9/03 TIME: 1617

RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) [signature]
DATE: 10-9-03 TIME: 1615

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON:

SAMPLE TYPE: 1.5°C 4 oz glass

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0307688-07	Cell #23 (2-3')	SOIL	10/9/03 12:50	10/9/03 16:15	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.5 C		
	8015M 8021B/5030 BTEX Anions Cations METALS RCRA 7 Total Fluoride Mercury, Total Nitrogen, Nitrate					
0307688-08	Cell #18 (0-1')	SOIL	10/9/03 11:15	10/9/03 16:15	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.5 C		
	8015M 8021B/5030 BTEX					
0307688-09	Cell #21 (0-1')	SOIL	10/9/03 12:08	10/9/03 16:15	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.5 C		
	8015M 8021B/5030 BTEX					
0307688-10	Cell #22 (0-1')	SOIL	10/9/03 12:29	10/9/03 16:15	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.5 C		
	8015M 8021B/5030 BTEX					
0307688-11	Cell #23 (0-1')	SOIL	10/9/03 12:50	10/9/03 16:15	4 oz glass	ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.5 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-01
Sample ID: Cell #4 (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	**92%**	**70**	**130**
1-Chlorooctadecane	**98%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**0.027**	0.025
Ethylbenzene	**0.036**	0.025
p/m-Xylene	**0.054**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**98%**	**80**	**120**
Bromofluorobenzene	**97%**	**80**	**120**

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-02
Sample ID: Cell #17 (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	109	10.0
TOTAL, C6-C35	109	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	94%	70	130
1-Chlorooctadecane	99%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.052	0.025
Toluene	0.179	0.025
Ethylbenzene	0.211	0.025
p/m-Xylene	0.286	0.025
o-Xylene	0.110	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	106%	80	120
Bromofluorobenzene	92%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-03
Sample ID: Cell #18 (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	263	10.0
TOTAL, C6-C35	263	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	89%	70	130
1-Chlorooctadecane	94%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.039	0.025
Toluene	0.113	0.025
Ethylbenzene	0.125	0.025
p/m-Xylene	0.252	0.025
o-Xylene	0.056	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	111%	80	120
Bromofluorobenzene	90%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-04
Sample ID: Cell #19 (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	11.8	10.0
TOTAL, C6-C35	11.8	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	89%	70	130
1-Chlorooctadecane	100%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	97%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-05
Sample ID: Cell #21 (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	95%	70	130
1-Chlorooctadecane	93%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	94%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-06
Sample ID: Cell #22 (2-3"0

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	89%	70	130
1-Chlorooctadecane	92%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	89%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-07
Sample ID: Cell #23 (2-3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	70.4	10.0
TOTAL, C6-C35	70.4	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	95%	70	130
1-Chlorooctadecane	98%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	90%	80	120
Bromofluorobenzene	89%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-08
Sample ID: Cell #18 (0-1')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	10	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<100.0	100
DRO, >C12-C35	2,610	100
TOTAL, C6-C35	2,610	100

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	10%	70	130
1-Chlorooctadecane	11%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007106-02		10/10/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	0.036	0.025
Ethylbenzene	0.046	0.025
p/m-Xylene	0.059	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	103%	80	120
Bromofluorobenzene	83%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-09
Sample ID: Cell #21 (0-1')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	5	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	1,920	50.0
TOTAL, C6-C35	1,920	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	21%	70	130
1-Chlorooctadecane	25%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007132-02		10/13/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	84%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-10
Sample ID: Cell #22 (0-1')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	5	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	925	50.0
TOTAL, C6-C35	925	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	19%	70	130
1-Chlorooctadecane	22%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007132-02		10/13/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	84%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-11
Sample ID: Cell #23 (0-1')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/10/03	1	5	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	1,310	50.0
TOTAL, C6-C35	1,310	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	19%	70	130
1-Chlorooctadecane	21%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007132-02		10/13/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	89%	80	120

Approval: Celey D. Keene 10/16/03
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.

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-01
Sample ID: Cell #4 (2-3')

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	5,810	mg/kg	5000	50.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	804	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	778	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	79.9	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.76	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	37.5	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.208	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Chromium	5.19	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	< 0.550	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

Lab ID: 0307688-02
Sample ID: Cell #17 (2-3')

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	7,010	mg/kg	5000	50.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	768	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	706	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	321	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.44	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	38.5	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.206	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Chromium	3.76	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	< 0.550	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

N/A = Not Applicable RL = Reporting Limit

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-02
Sample ID: Cell #17 (2-3')

Lab ID: 0307688-03
Sample ID: Cell #18 (2-3')

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	25,400	mg/kg	5000	50.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	1,030	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	893	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	213	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.05	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	55.2	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.210	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Chromium	4.36	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	3.0	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

Lab ID: 0307688-04
Sample ID: Cell #19 (2-3')

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	23,600	mg/kg	5000	50.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	2,860	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	714	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	185	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.34	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	75.0	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.103	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Chromium	4.06	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	< 0.550	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-04
Sample ID: Cell #19 (2-3')

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

Lab ID: 0307688-05
Sample ID: Cell #21 (2-3')

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	3,590	mg/kg	500	5.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	1,390	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	1,160	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	7.7	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.52	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	51.2	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.262	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Chromium	6.39	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	1.05	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

Lab ID: 0307688-06
Sample ID: Cell #22 (2-3"0

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	8,640	mg/kg	5000	50.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	1,380	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	682	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	48.3	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.29	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	54.1	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.260	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-06
Sample ID: Cell #22 (2-3"0

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Chromium	5.46	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	1.35	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

Lab ID: 0307688-07
Sample ID: Cell #23 (2-3')

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	4,610	mg/kg	5000	50.0	3050/6010B	10/13/2003	10/15/03	SM
Magnesium	1,270	mg/kg	500	0.50	3050/6010B	10/13/2003	10/15/03	SM
Potassium	699	mg/kg	500	25.0	3050/6010B	10/13/2003	10/15/03	SM
Sodium	16.1	mg/kg	50	0.50	3050/6010B	10/13/2003	10/15/03	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.02	mg/kg	50	0.40	3050/6010B	10/13/2003	10/15/03	SM
Barium	58.0	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Cadmium	0.259	mg/kg	50	0.050	3050/6010B	10/13/2003	10/15/03	SM
Chromium	6.0	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM
Lead	1.14	mg/kg	50	0.550	3050/6010B	10/13/2003	10/15/03	SM
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	10/13/2003	10/15/03	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	10/13/2003	10/15/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.0250	mg/kg	50	0.0250	7471	10/13/2003	10/13/03	SM

Approval: Celey D. Keene 10/16/03
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.

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

RAY JONES
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0307688
Project: 3-0102
Project Name: Texaco Land Farm
Location: None Given

Lab ID: 0307688-01
Sample ID: Cell #4 (2-3')

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	70.0	mg/kg	2.5	5.0	310.1	10/11/03	SB
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	<50.0	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	49.6	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.20	mg/kg	5	2.5	300	10/12/03	RKT
Nitrogen, Nitrate	13.0	mg/kg	5	2.5	300	10/12/03	RKT

Lab ID: 0307688-02
Sample ID: Cell #17 (2-3')

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	62.5	mg/kg	2.5	5.0	310.1	10/11/03	SB
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	195	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	75.1	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.84	mg/kg	5	2.5	300	10/12/03	RKT
Nitrogen, Nitrate	12.6	mg/kg	5	2.5	300	10/12/03	RKT

Lab ID: 0307688-03
Sample ID: Cell #18 (2-3')

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	90.0	mg/kg	2.5	5.0	310.1	10/11/03	SB
Carbonate Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
Chloride	<50.0	mg/kg	5	50.0	9253	10/11/03	SB
Hydroxide Alkalinity	<0.25	mg/kg	2.5	0.250	310.1	10/11/03	SB
SULFATE, 375.4	87.2	mg/kg	5	2.5	300	10/12/03	RKT

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.79	mg/kg	5	2.5	300	10/12/03	RKT

RL = Reporting Limit N/A = Not Applicable

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 29, 2003

Mr. Rodney Bailey
ChevronTexaco
15 Smith Road
Midland, TX, 79705

RE: Approval of Discontinued Maintenance Status and Application of Additional Lifts
Texaco E &P Inc., Permit NM-02-0012
W/2 of Section 17, Township 24 South, Range 36 East, NMPM,
Lea County, New Mexico

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has received ChevronTexaco's letter dated June 3, 2003 for discontinue maintenance status and authorization to apply an additional lift of contaminated soil. Based on the analytical information provided Cells 1 through 16 are **hereby approved** for discontinued maintenance status and the addition of another lift of contaminated soil. Note that with the addition of successive lifts ChevronTexaco must resume maintenance and treatment zone monitoring. The treatment zone monitoring depth must be adjusted to reach the 2-3 foot zone below the native ground surface. If ChevronTexaco wants to move the soils from the facility separate OCD authorization must be granted. This letter is a written conformation of the verbal approval given on July 21, 2003

Please be advised that OCD approval does not relieve ChevronTexaco of liability should their operation result in pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve ChevronTexaco of the responsibility for compliance with other federal, state, local laws and/or regulations.

If you have any questions please do not hesitate to contact me at (505) 476-3488.

Sincerely,

Martyne J. Kieling
Environmental Geologist

xc: OCD Hobbs Office

Permian Business Unit
North America Upstream
15 Smith Road
Midland, TX 79705
Tel (915) 687-7251
Fax (915) 687-7110
bailerg@chevrontexaco.com

Rodney Bailey
HES Champion

ChevronTexaco

Date: June 3, 2003

Martyne J. Kieling
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Franacis Drive
Santa Fe. New Mexico 87505

Re: Landfarm

Attached are analysis for the landfarm cells 1 through 16. With each cells TPH levels below 500ppm, ChevronTexaco would like to place contaminated soil on top of these existing cells. Remediated soil will be left in place and contaminated soil spread on top. Treatment Zone sampling will be adjusted to depth of lifts.

If you have any question or additional information is needed please call me at 915-687-7251.

Sincerely,

Rodney Bailey
ChevronTexaco
HES Champion

Larson & Associates, Inc.
Environmental Consultants

June 2, 2003

VIA FACSIMILE: (505) 476-3462

Ms. Martyne J. Kieling
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Summary of Laboratory Analysis of Soil Samples from Centralized Waste Management Facility (Permit NM-02-0012), Texaco Exploration and Production Inc., W/2, Section 17, Township 24 South, Range 36 East, Lea County, New Mexico

Dear Ms. Kieling:
ChevronTexaco Inc. (ChevronTexaco), as successor to Texaco Exploration and Production Inc. (Texaco) has retained Larson & Associates, Inc. (LA) to prepare a response to a letter dated March 11, 2003, from the New Mexico Oil Conservation Division (NMOCD). The letter regarded the laboratory analysis of soil sample collected during 2002 from its centralized waste management facility (land farm) located in the west half of section 17, Township 24 South, Range 36 East, Lea County, New Mexico. Specifically, the NMOCD requested an explanation for the apparent vertical migration of contaminants into the 2 to 3 foot monitoring zone at the land farm, and documentation from ChevronTexaco pertaining to the following:

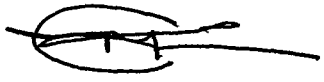
- Type of equipment used to and depth to which the plow/disc is reaching into the subsurface;
- Sampling procedures and equipment used to take the treatment zone sample;
- Depth at which the treatment zone samples have been taken; and
- Any differences in the laboratory or the analytical methods used.

On May 5, 2003, LA collected a random soil sample from the monitoring zone at each of the sixteen (16) cells from which soil samples were collected during 2002. The soil samples were collected using a stainless steel hand auger, and soil was gently scraped from each location to expose the top of the treatment zone (native soil). The soil was scraped from the sample location to reduce the risk of possible cross-contamination between treated soil and the top of the treatment zone. The hand auger was advanced from approximately 2 to 3 feet into the treatment zone. The hand auger was thoroughly washed with laboratory-grade detergent and rinsed with distilled water between each event. The samples were collected in clean glass laboratory containers, sealed, labeled, chilled in an ice chest, and hand-delivered under chain-of-custody control to Environmental Lab of Texas, located in Odessa, Texas. The samples were analyzed for benzene, toluene, ethylbenzene, xylene (collectively referred to as BTEX) using method 8021B, and total petroleum hydrocarbon (TPH) using method 8015 for gasoline range organics (GRO) and diesel range organics (DRO). Table 1 presents a summary of the laboratory analysis. Attachment A presents the laboratory reports.

Referring to Table 1, all samples reported concentrations of benzene, toluene and ethylbenzene below the test method detection limit of 0.025 milligrams per kilogram

(mg/kg). The sample from cell #6 reported xylene at 0.027 mg/kg. All samples except cell #'s 3, 4, 5, 6, 8, 10, 12 and 13 reported concentrations of TPH below the test method detection limit of 10 mg/kg. The TPH concentrations reported in the above-referenced samples ranged from 20.8 to 3,667 mg/kg. On May 25, 2003, soil samples were collected from cell #5, which reported TPH at 288 mg/kg, and cell #13, which reported TPH at 3,667 mg/kg. The soil samples were collected in the manner presented above, except a surface casing was placed aver the treatment zone soil after soil was scraped from the area to prevent soil from accidentally caving into the open boring. The samples were analyzed for BTEX and TPH using the same methods, which reported no concentrations above the test method detection limits. Please contact Mr. Rodney Bailey (432) 687-7251 or myself at (432) 687-0901 if you have questions.

Sincerely
Larson and Associates, Inc.



Mark J. Larson, CGP, CGWP
President

Encl.

cc: Rodney G. Bailey

TABLES

Table 1
Summary of TPH and BTEX Analysis of Soil Samples
ChevronTexaco Inc. Centralized Landfarm, Permit NM-02-0012
Lea County, New Mexico

Cell	Sample Depth (Feet)	Sample Date	TPH C6-C12 (mg/kg)	TPH >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)
1	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
2	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
3	2 - 2.5	05-May-03	<10.0	72.3	72.3	<0.025	<0.025	<0.025	<0.025
4	2 - 2.5	05-May-03	<10.0	187	187	<0.025	<0.025	<0.025	<0.025
5	2 - 3	05-May-03	<10.0	288	288	<0.025	<0.025	<0.025	<0.025
	2 - 3	27-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
6	2 - 3	05-May-03	<10.0	20.9	20.9	<0.025	<0.025	<0.025	0.027
7	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
8	2 - 3	05-May-03	<10.0	20.8	20.8	<0.025	<0.025	<0.025	<0.025
9	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
10	2 - 3	05-May-03	<10.0	25.4	25.4	<0.025	<0.025	<0.025	<0.025
11	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
12	2 - 3	05-May-03	<10.0	27.5	27.5	<0.025	<0.025	<0.025	<0.025
13	2 - 3	05-May-03	56.6	3,610	3,667	<0.025	<0.025	<0.025	<0.025
	2 - 3	27-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
14	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
15	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025
16	2 - 3	05-May-03	<10.0	<10.0	<20.0	<0.025	<0.025	<0.025	<0.025

Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas
1. Feet: Sample depth below native ground surface
2. mg/kg Milligrams per kilogram
3. <: Concentration below test methoddetection limit

ATTACHEMNT A

Laboratory Reports

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project:	Texaco Landfarm
PO#:	3-0102
Order#:	G0306428
Report Date:	05/10/2003

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0306428-01	Cell # 1 2 -3'	SOIL	5/5/03 15:15	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-02	Cell # 2 2-3'	SOIL	5/5/03 15:38	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-03	Cell #3 2-2.5'	SOIL	5/5/03 16:10	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-04	Cell #4 2-2.5'	SOIL	5/5/03 16:20	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-05	Cell #5 2-3'	SOIL	5/6/03 9:20	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-06	Cell #6 2-3'	SOIL	5/6/03 9:30	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-07	Cell #7 2-3'	SOIL	5/6/03 9:40	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0306428-08	Cell #8 2-3'	SOIL	5/6/03 10:00	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M 8021B/5030 BTEX					
0306428-09	Cell #12 2-3'	SOIL	5/6/03 10:10	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M 8021B/5030 BTEX					
0306428-10	Cell #11 2-3'	SOIL	5/6/03 10:30	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M 8021B/5030 BTEX					
0306428-11	Cell #10 2-3'	SOIL	5/6/03 10:40	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M 8021B/5030 BTEX					
0306428-12	Cell #09 2-3'	SOIL	5/6/03 10:50	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M 8021B/5030 BTEX					
0306428-13	Cell #13 2-3'	SOIL	5/6/03 11:00	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

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Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0306428-14	Cell #14 2-3'	SOIL	5/6/03 11:15	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-15	Cell #15 2-3'	SOIL	5/6/03 11:30	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306428-16	Cell #16 2-3'	SOIL	5/6/03 11:45	5/6/03 16:37	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-01
Sample ID: Cell # 1 2 -3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	88%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/9/03 14:17	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	99%	80	120
Bromofluorobenzene	103%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-02
Sample ID: Cell # 2 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	111%	70	130
1-Chlorooctadecane	97%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 13:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	100%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
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P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: *0306428-03*
Sample ID: Cell #3 2-2.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**72.3**	10.0
TOTAL, C6-C35	**72.3**	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	**104%**	**70**	**130**
1-Chlorooctadecane	**91%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 14:27	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**95%**	**80**	**120**
Bromofluorobenzene	**101%**	**80**	**120**

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-04
Sample ID: Cell #4 2-2.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	187	10.0
TOTAL, C6-C35	187	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	97%	70	130
1-Chlorooctadecane	87%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 14:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	100%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-05
Sample ID: Cell #5 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	288	10.0
TOTAL, C6-C35	288	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	109%	70	130
1-Chlorooctadecane	102%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 15:12	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	94%	80	120
Bromofluorobenzene	101%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-06
Sample ID: Cell #6 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	20.9	10.0
TOTAL, C6-C35	20.9	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	94%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 15:34	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	0.027	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	104%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-07
Sample ID: Cell #7 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	108%	70	130
1-Chlorooctadecane	95%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 15:56	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	101%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-08
Sample ID: Cell #8 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	20.8	10.0
TOTAL, C6-C35	20.8	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	98%	70	130
1-Chlorooctadecane	89%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 16:18	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	105%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
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P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-12
Sample ID: Cell #09 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	93%	70	130
1-Chlorooctadecane	77%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005477-02		5/8/03 19:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	100%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-11
Sample ID: Cell #10 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	25.4	10.0
TOTAL, C6-C35	25.4	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	92%	70	130
1-Chlorooctadecane	77%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 17:24	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	94%	80	120
Bromofluorobenzene	101%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-10
Sample ID: Cell #11 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	101%	70	130
1-Chlorooctadecane	90%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 17:02	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	100%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-09
Sample ID: Cell #12 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	27.5	10.0
TOTAL, C6-C35	27.5	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	94%	70	130
1-Chlorooctadecane	81%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005475-02		5/8/03 16:40	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	95%	80	120
Bromofluorobenzene	105%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-13
Sample ID: Cell #13 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	56.6	10.0
DRO, >C12-C35	3,610	10.0
TOTAL, C6-C35	3,667	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	96%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005477-02		5/8/03 20:09	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	93%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-14
Sample ID: Cell #14 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	100%	70	130
1-Chlorooctadecane	87%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005477-02		5/8/03 20:32	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	80	120
Bromofluorobenzene	106%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-15
Sample ID: Cell #15 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	101%	70	130
1-Chlorooctadecane	90%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005477-02		5/8/03 20:54	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	100%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306428
Project:
Project Name: Texaco Landfarm
Location:

Lab ID: 0306428-16
Sample ID: Cell #16 2-3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/7/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	104%	70	130
1-Chlorooctadecane	90%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005477-02		5/8/03 21:16	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	87%	80	120
Bromofluorobenzene	105%	80	120

Approval: Raland K Tuttle 5-12-03
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

8015M

Order#: G0306428

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005467-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0306429-02	0	952	934	98.1%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0306429-02	934	952	926	97.%	0.9%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0005467-05		1000	937	93.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306428

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005475-02			<0.025		
Benzene-mg/kg	0005477-02			<0.025		
Toluene-mg/kg	0005475-02			<0.025		
Toluene-mg/kg	0005477-02			<0.025		
Ethylbenzene-mg/kg	0005475-02			<0.025		
Ethylbenzene-mg/kg	0005477-02			<0.025		
p/m-Xylene-mg/kg	0005475-02			<0.025		
p/m-Xylene-mg/kg	0005477-02			<0.025		
o-Xylene-mg/kg	0005475-02			<0.025		
o-Xylene-mg/kg	0005477-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0306428-11	0	0.1	0.095	95.%	
Benzene-mg/kg	0306428-12	0	0.1	0.102	102.%	
Toluene-mg/kg	0306428-11	0	0.1	0.094	94.%	
Toluene-mg/kg	0306428-12	0	0.1	0.101	101.%	
Ethylbenzene-mg/kg	0306428-11	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg	0306428-12	0	0.1	0.098	98.%	
p/m-Xylene-mg/kg	0306428-11	0	0.2	0.190	95.%	
p/m-Xylene-mg/kg	0306428-12	0	0.2	0.204	102.%	
o-Xylene-mg/kg	0306428-11	0	0.1	0.087	87.%	
o-Xylene-mg/kg	0306428-12	0	0.1	0.096	96.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0306428-11	0	0.1	0.100	100.%	5.1%
Benzene-mg/kg	0306428-12	0	0.1	0.090	90.%	12.5%
Toluene-mg/kg	0306428-11	0	0.1	0.100	100.%	6.2%
Toluene-mg/kg	0306428-12	0	0.1	0.089	89.%	12.6%
Ethylbenzene-mg/kg	0306428-11	0	0.1	0.098	98.%	6.3%
Ethylbenzene-mg/kg	0306428-12	0	0.1	0.088	88.%	10.8%
p/m-Xylene-mg/kg	0306428-11	0	0.2	0.205	102.5%	7.6%
p/m-Xylene-mg/kg	0306428-12	0	0.2	0.184	92.%	10.3%
o-Xylene-mg/kg	0306428-11	0	0.1	0.096	96.%	9.8%
o-Xylene-mg/kg	0306428-12	0	0.1	0.086	86.%	11.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005475-05		0.1	0.099	99.%	
Benzene-mg/kg	0005477-05		0.1	0.101	101.%	
Toluene-mg/kg	0005475-05		0.1	0.097	97.%	
Toluene-mg/kg	0005477-05		0.1	0.099	99.%	
Ethylbenzene-mg/kg	0005475-05		0.1	0.092	92.%	

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 915-687-0456
915-687-0901

CLIENT NAME: Texaco
SITE MANAGER: M. Larson
PROJECT NO.: 3-0102
PROJECT NAME: Landfarms
PAGE OF
LAB. PO #

PARAMETERS/METHOD NUMBER: GRO (DRO + ERO) | BTEX (8021 B)

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	GRO	BTEX	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
5/5/03	1515		✓		Cell #1, 2-3'	1	✓	✓	0306428-01	
5/5/03	1538		✓		Cell #2, 2-3'	1	✓	✓	02	
5/5/03	1610		✓		Cell #3, 2-2.5'	1	✓	✓	03	
5/5/03	1620		✓		Cell #4, 2-2.5'	1	✓	✓	04	
5/6/03	0920		✓		Cell #5, 2'-3'	1	✓	✓	05	
5/6/03	0930		✓		Cell #6, 2'-3'	1	✓	✓	06	
5/6/03	0940		✓		Cell #7, 2'-3'	1	✓	✓	07	
5/6/03	10:00		✓		Cell #8, 2'-3'	1	✓	✓	08	
5/6/03	10:10		✓		Cell #12, 2'-3'	1	✓	✓	09	
5/6/03	10:30		✓		Cell #11, 2'-3'	1	✓	✓	10	
5/6/03	10:40		✓		Cell #10, 2'-3'	1	✓	✓	11	
5/6/03	10:50		✓		Cell #9, 2'-3'	1	✓	✓	12	
5/6/03	11:00		✓		Cell #13, 2'-3'	1	✓	✓	13	
5/6/03	11:15		✓		Cell #14, 2'-3'	1	✓	✓	14	
5/6/03	11:30		✓		Cell #15, 2'-3'	1	✓	✓	15	
5/6/03	11:45		✓		Cell #16, 2'-3'	1	✓	✓	16	

SAMPLED BY: (Signature) DATE: 5/6/03 TIME: 2:30P
RELINQUISHED BY: (Signature) DATE: 5/6/03 TIME: 1637
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 5/6/03 TIME: 2:30P
RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED: Std

RECEIVING LABORATORY: Environmental Lab of Texas
ADDRESS: 1600 W I-20 E.
CITY: Odessa STATE: TX ZIP:
CONTACT: Roland Tuttle PHONE:
RECEIVED BY: (Signature)
DATE: 5-06-03 TIME: 1637

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED: 3°C
LA CONTACT PERSON: Mark Larson
SAMPLE TYPE: Soil

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0306583
Project: 3-0102
Project Name: Chev. Tex./Texaco Landfarm
Location:

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, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0306583-01	cell # 13	SOIL	5/27/03 11:15	5/28/03 8:05	4 oz glass	ice
	Lab Testing: 8015M, 8021B/5030 BTEX, Chloride	Rejected: No		Temp: 13.0 C		
0306583-02	cell # 5	SOIL	5/27/03 10:15	5/28/03 8:05	4 oz glass	ice
	Lab Testing: 8015M, 8021B/5030 BTEX, Chloride	Rejected: No		Temp: 13.5 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Ray Jones
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306583
Project: 3-0102
Project Name: Chev. Tex./Texaco Landfarm
Location:

Lab ID: 0306583-01
Sample ID: cell # 13

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		5/28/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	99%	70	130
1-Chlorooctadecane	124%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005665-02		5/29/03 11:26	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	119%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Ray Jones		Order#:	G0306583
LARSON AND ASSOCIATES, INC.		Project:	3-0102
P.O. BOX 50685		Project Name:	Chev. Tex./Texaco Landfarm
MIDLAND, TX 79710		Location:	

Lab ID: 0306583-01
Sample ID: cell # 13

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	<20	mg/kg	1	20	9253	5/28/03	SB

Lab ID: 0306583-02
Sample ID: cell # 5

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	<20	mg/kg	1	20	9253	5/28/03	SB

Approval: Raland K Tuttle 5-29-03
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.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0306583

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005663-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0306583-02	0	1000.552	860	86.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0306583-02	860	1000.552	900	90.%	4.5%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0005663-05		1000	787	78.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306583

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005665-02			<0.025		
Toluene-mg/kg	0005665-02			<0.025		
Ethylbenzene-mg/kg	0005665-02			<0.025		
p/m-Xylene-mg/kg	0005665-02			<0.025		
o-Xylene-mg/kg	0005665-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0306583-02	0	0.1	0.095	95.%	
Toluene-mg/kg	0306583-02	0	0.1	0.093	93.%	
Ethylbenzene-mg/kg	0306583-02	0	0.1	0.099	99.%	
p/m-Xylene-mg/kg	0306583-02	0	0.2	0.207	103.5%	
o-Xylene-mg/kg	0306583-02	0	0.1	0.103	103.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0306583-02	0	0.1	0.095	95.%	0.%
Toluene-mg/kg	0306583-02	0	0.1	0.092	92.%	1.1%
Ethylbenzene-mg/kg	0306583-02	0	0.1	0.095	95.%	4.1%
p/m-Xylene-mg/kg	0306583-02	0	0.2	0.198	99.%	4.4%
o-Xylene-mg/kg	0306583-02	0	0.1	0.097	97.%	6.%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0005665-05		0.1	0.098	98.%	
Toluene-mg/kg	0005665-05		0.1	0.094	94.%	
Ethylbenzene-mg/kg	0005665-05		0.1	0.092	92.%	
p/m-Xylene-mg/kg	0005665-05		0.2	0.191	95.5%	
o-Xylene-mg/kg	0005665-05		0.1	0.092	92.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306583

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0005654-01			<20		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Chloride-mg/kg	0306567-01	0	521	496	95.2%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Chloride-mg/kg	0306567-01	0	521	514	98.7%	3.6%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Chloride-mg/kg	0005654-04		5000	4960	99.2%	

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 915-687-0456
915-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME:

SITE MANAGER:

PROJECT NO.:

PROJECT NAME:

PAGE OF

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
	1315								
	1328								
	1340								
	1420								

SAMPLED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #:

HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

Std

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:

ADDRESS:

CITY: STATE: ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON:

SAMPLE TYPE:

Texaco Exploration and Production Inc.
Permian Business Unit
15 Smith Road
Midland, TX 79705
Tel (915) 687-7251
Fax (915) 687-7110
bailerg@chevrontexaco.com

Rodney Bailey
HES Champion

ChevronTexaco

Date: July 30, 2002

New Mexico Oil Conservation Division
Environmental Bureau
P.O. Box 6429
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: ChevronTexaco Land Farm (# NM-02-0012) 2002 annual Report

Dear Ms. Kieling;

Enclosed is the 2002 annual land farm report.

If you have any question please call me at 915-687-7251.

Sincerely,

Rodney Bailey

ChevronTexaco
Rodney Bailey
HES Champion

ChevronTexaco

CHEVRONTEXACO LAND FARM (CTLF)

W/2 S17, T24S, R36E, NMPM
LEA COUNTY, NEW MEXICO

ANNUAL REPORT FOR 2002

July 10, 2002

Prepared by

Environmental Plus, Inc.
2100 Ave O
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601

Table of Contents

1 CHEVRONTEXACO LAND FARM 2002 ANNUAL REPORT

The ChevronTexaco Land Farm (CTLF) began accepting exempt oil field wastes generated by Texaco E. & P., Inc. in September 1999. This report provides treatment zone soil monitoring results from quarterly sampling events in accordance with the permit stipulations. In addition to quarterly analytical suite for Total Petroleum Hydrocarbon and BTEX compounds, the active cells were also sampled for the RCRA metals and general chemistry parameters, which the permit requires to be done annually.

1.1 Data Summary

The original laboratory data reports are included in Attachment I and are summarized in Attachment II along with charts for selected cells.

1.1.1 Quarterly Sampling: 8-29-01

Active cells at this quarterly sampling were 1-15. The Diesel Range Organic values were elevated in cells 1,2,4,5,7,8,9,10,12,13,14 and 15. This was probably due to contamination during sampling with the overlaying contaminated soil.

1.1.2 Quarterly Sampling: 11-26-01

Active cells at this quarterly sampling were 1-16. All TPH and BTEX data were within acceptable limits.

1.1.3 February 28, 2002 Annual Sampling

Active cells, i.e., 1-15 and 16 were sampled on February 28, 2002 and analyzed according to the annual analytical suite that includes the RCRA metals and general chemistry parameters.

1.1.3.1 TPH and BTEX

The Diesel Range Organic values were elevated in cells 1,2,4,5,7,8,9,10,12,13,14 and 15 and probably due to contamination during sampling with the overlaying contaminated soil. Second quarter sampling results for these cells were nominal.

1.1.3.2 RCRA Metals

Total metals analyses were conducted for each cell with nominal values above the detection limit being reported for each metal. These levels are nominal however and do not warrant analysis using the "Toxicity Characteristic Leaching Procedure" (TCLP).

1.1.3.3 General Chemistry

Results show ± variances from the background values.

1.1.4 Quarterly Sampling: 6-5-02

Active cells at this quarterly sampling were 1-16. All TPH and BTEX data were within acceptable limits.

1.2 Inspection Documentation

The weekly inspection records are included in Attachment III.

1.3 Photographs

Photographs are included in Attachment IV.

1.4 Site Map

Sample locations are illustrated on the site map included in Attachment V.

1.5 Discussion

There have been no off-site releases from the facility and treatment zone data indicates contaminated soil has not migrated into the subsurface. Lift zone sampling indicates that the waste is attenuating.

Attachment I: Original Laboratory Reports

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 06/05/02
Reporting Date: 06/07/02
Project Number: NOT GIVEN
Project Name: CHEVRON TEXACO
Project Location: LAND FARM

Sampling Date: 06/05/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		06/06/02	06/06/02	06/06/02	06/06/02	06/06/02	06/06/02
H6784-1	CTLF6502TZC1	<10.0	46.8	<0.005	<0.005	0.017	0.030
H6784-2	CTLF6502LZC1	<10.0	101	<0.005	0.009	<0.005	<0.015
H6784-3	CTLF6502TZC2	<10.0	84.7	<0.005	<0.005	<0.005	<0.015
H6784-4	CTLF6502LZC2	<10.0	117	<0.005	<0.005	<0.005	<0.015
H6784-5	CTLF6502TZC3	<10.0	38.5	<0.005	<0.005	<0.005	<0.015
H6784-6	CTLF6502LZC3	<10.0	208	<0.005	<0.005	<0.005	<0.015
H6784-7	CTLF6502TZC4	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H6784-8	CTLF6502LZC4	<10.0	12.3	<0.005	<0.005	<0.005	<0.015
H6784-9	CTLF6502TZC5	<10.0	125	<0.005	<0.005	<0.005	<0.015
H6784-10	CTLF6502LZC5	<10.0	120	<0.005	<0.005	<0.005	<0.015
H6784-11	CTLF6502TZC6	<10.0	390	<0.005	<0.005	<0.005	<0.015
H6784-12	CTLF6502LZC6	<10.0	260	<0.005	<0.005	<0.005	<0.015
H6784-13	CTLF6502TZC7	<10.0	17.1	<0.005	<0.005	<0.005	<0.015
H6784-14	CTLF6502LZC7	<10.0	56.9	<0.005	<0.005	<0.005	<0.015
H6784-15	CTLF6502TZC8	<10.0	22.4	<0.005	<0.005	<0.005	<0.015
H6784-16	CTLF6502LZC8	<10.0	55.2	<0.005	<0.005	<0.005	<0.015
Quality Control		745	813	0.100	0.102	0.103	0.296
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		93.1	102	100	102	103	98.6
Relative Percent Difference		2.4	5.8	10.4	5.6	5.0	4.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

6/7/02
Date

H6784A.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 06/05/02
Reporting Date: 06/07/02
Project Number: NOT GIVEN
Project Name: CHEVRON TEXACO
Project Location: LAND FARM

Sampling Date: 06/05/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		06/06/02	06/06/02	06/06/02	06/06/02	06/06/02	06/06/02
H6784-17	CTLF6502TZC9	<10.0	67.8	<0.005	<0.005	<0.005	<0.015
H6784-18	CTLF6502LZC9	<10.0	35.8	<0.005	<0.005	<0.005	<0.015
H6784-19	CTLF6502TZC10	<10.0	54.9	<0.005	<0.005	<0.005	<0.015
H6784-20	CTLF6502LZC10	<10.0	563	<0.005	<0.005	<0.005	<0.015
H6784-21	CTLF6502TZC11	<10.0	102	<0.005	<0.005	<0.005	<0.015
H6784-22	CTLF6502LZC11	<10.0	394	<0.005	<0.005	<0.005	<0.015
H6784-23	CTLF6502TZC12	<10.0	37.4	<0.005	<0.005	<0.005	<0.015
H6784-24	CTLF6502LZC12	<10.0	25.6	<0.005	<0.005	<0.005	<0.015
H6784-25	CTLF6502TZC13	<10.0	82.7	<0.005	<0.005	<0.005	<0.015
H6784-26	CTLF6502LZC13	<10.0	168	<0.005	<0.005	<0.005	<0.015
H6784-27	CTLF6502TZC14	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H6784-28	CTLF6502LZC14	<10.0	214	<0.005	<0.005	<0.005	<0.015
H6784-29	CTLF6502TZC15	<10.0	31.1	<0.005	<0.005	<0.005	<0.015
H6784-30	CTLF6502LZC15	<10.0	798	<0.005	<0.005	<0.005	<0.015
H6784-31	CTLF6502TZC16	<10.0	326	<0.005	<0.005	<0.005	<0.015
H6784-32	CTLF6502LZC16	<10.0	319	<0.005	<0.005	<0.005	<0.015
Quality Control		741	765	0.091	0.093	0.094	0.274
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		92.6	95.6	90.8	93.2	94.1	91.3
Relative Percent Difference		7.2	3.0	3.5	7.1	9.2	9.6

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

6/7/02
Date

H6784B.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 08/30/00
Reporting Date: 09/01/00
Project Owner: TEXACO E&P
Project Name: TEXACO LANDFARM THIRD QTR. 2000
Project Location: W/S S17 T24S R36E NMPM

Sampling Date: 08/28/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/30/00	08/30/00	08/30/00	08/30/00
H5132-1	S00828G1C1LZ	<0.005	<0.005	<0.005	<0.015
H5132-2	S00828G1C1TZ3Q	<0.005	<0.005	<0.005	<0.015
H5132-3	S00828G1C2LZ	<0.005	<0.005	<0.005	<0.015
H5132-4	S00828G1C2TZ3Q	<0.005	<0.005	<0.005	<0.015
H5132-5	S00828G1C3TZ3Q	<0.005	<0.005	<0.005	<0.015
H5132-6	S00828G1C4TZ3Q	<0.005	<0.005	<0.005	<0.015
H5132-7	S00828G1C5TZ3Q	<0.005	<0.005	<0.005	<0.015
H5132-8	S00828G1C6LZ	<0.005	<0.005	<0.005	0.016
H5132-9	S00828G1C6TZ3Q	<0.005	<0.005	<0.005	<0.015
H5132-10	S00828G1C7TZ3Q	<0.005	<0.005	<0.005	<0.015
Quality Control		0.093	0.095	0.096	0.286
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.1	95.2	95.9	95.4
Relative Percent Difference		4.4	2.1	1.0	2.6

METHOD: EPA SW-846 8260

Chemist

9/1/00
Date

H5132B.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 08/30/00
Reporting Date: 09/01/00
Project Owner: TEXACO E&P
Project Name: TEXACO LANDFARM THIRD QTR. 2000
Project Location: W/S S17 T24S R36E NMPM

Sampling Date: 08/28/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		08/30/00	08/30/00	08/30/00
H5132-1	S00828G1C1LZ	<50	2070	566
H5132-2	S00828G1C1TZ3Q	<50	156	-
H5132-3	S00828G1C2LZ	<50	970	110
H5132-4	S00828G1C2TZ3Q	<50	154	-
H5132-5	S00828G1C3TZ3Q	<50	62.5	-
H5132-6	S00828G1C4TZ3Q	<50	<50	-
H5132-7	S00828G1C5TZ3Q	<50	<50	-
H5132-8	S00828G1C6LZ	<50	3620	566
H5132-9	S00828G1C6TZ3Q	<50	136	-
H5132-10	S00828G1C7TZ3Q	<50	<50	-
Quality Control		789	818	962
True Value QC		800	800	1000
% Recovery		98.6	102	96.2
Relative Percent Difference		4.7	2.2	1.2

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl'B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

9/1/00
Date

H5132A.XLS

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 11/20/00
Reporting Date: 11/27/00
Project Owner: R. BAILEY
Project Name: TEXACO LANDFARM 4th QTR., 2000
Project Location: W/2 SEC17-T24S-R38E

Sampling Date: 11/20/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		11/21/00	11/21/00	11/21/00	11/21/00	11/21/00	11/21/00
H5368-1	S001120G1C14QTZ	<50	117	<0.005	<0.005	<0.005	<0.15
H5368-2	S001120G1C24QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-3	S001120G1C34QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-4	S001120G1C44QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-5	S001120G1C54QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-6	S001120G1C64QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-7	S001120G1C74QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-8	S001120G1C84QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-9	S001120G1C94QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
Quality Control		897	909	0.094	0.096	0.095	0.289
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		89.7	90.9	94.1	95.5	95.2	95.0
Relative Percent Difference		2.7	3.4	0.4	5.7	4.6	3.9

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

11/27/00
Date

H5368.XLS

Post-it® Fax Note	7671	Date	# of pages ▶ 1
To Pat		From Rodney	
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

CARDINAL LABORATORIES

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 11/20/00
Reporting Date: 11/27/00
Project Owner: R. BAILEY
Project Name: TEXACO LANDFARM 4th QTR., 2000
Project Location: W/2 SEC17-T24S-R36E

Sampling Date: 11/20/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

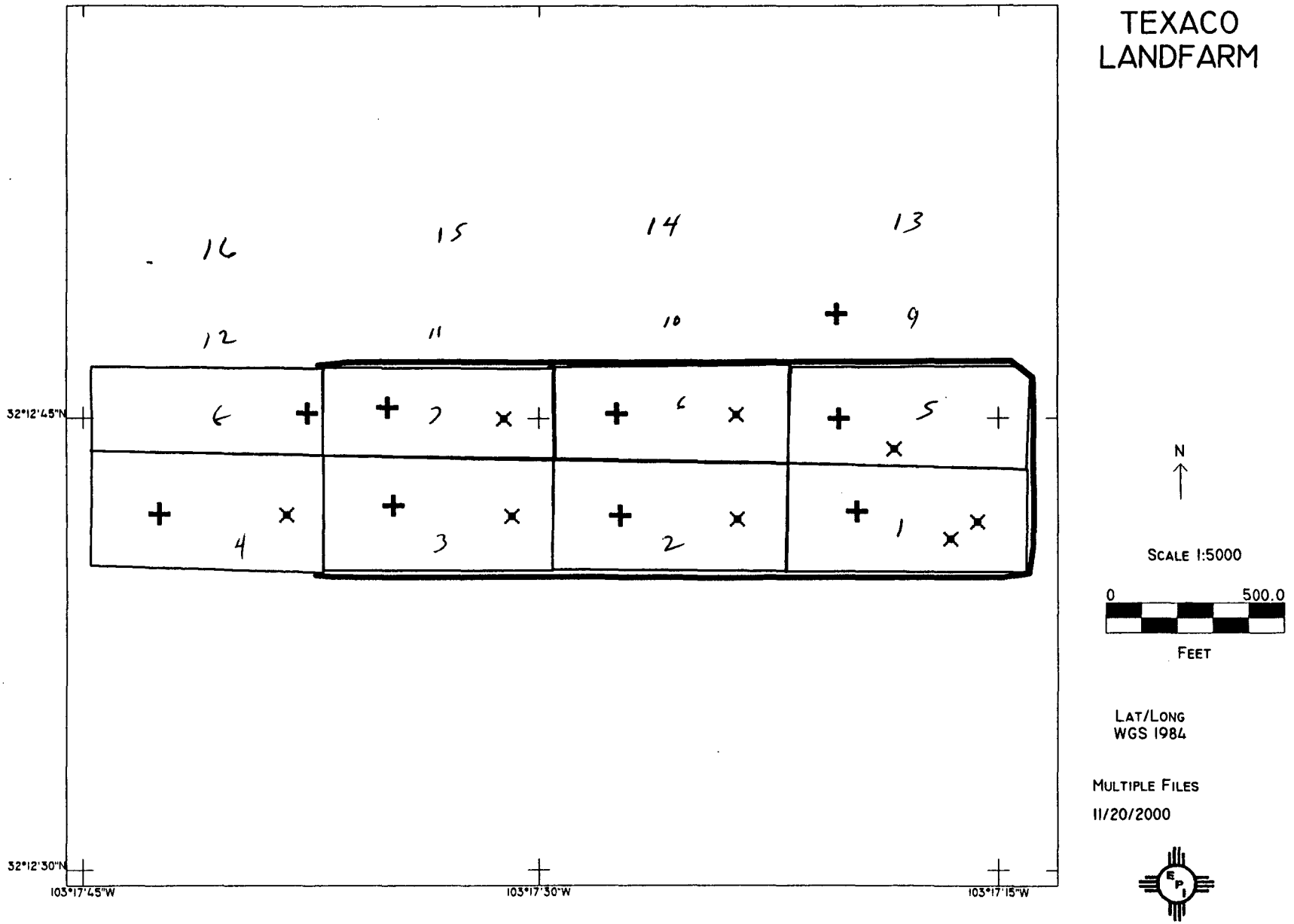
LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		11/21/00	11/21/00	11/21/00	11/21/00	11/21/00	11/21/00
H5368-1	S001120G1C14QTZ	<50	117	<0.005	<0.005	<0.005	<0.15
H5368-2	S001120G1C24QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-3	S001120G1C34QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-4	S001120G1C44QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-5	S001120G1C54QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-6	S001120G1C64QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-7	S001120G1C74QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-8	S001120G1C84QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-9	S001120G1C94QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
Quality Control		897	909	0.094	0.096	0.095	0.289
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		89.7	90.9	94.1	95.5	95.2	95.0
Relative Percent Difference		2.7	3.4	0.4	5.7	4.6	3.9

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

11/27/00
Date

H5368.XLS


TEXACO
LANDFARM
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SCALE 1:5000
0
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FEET
LAT/LONG
WGS 1984
MULTIPLE FILES
11/20/2000

CARDINAL LABORATORIES

PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 02/27/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		02/26/01	02/26/01	02/26/01	02/26/01	02/26/01	02/26/01
H5652-1	S21901G1C1TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-2	S21901G1C2TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-3	S21901G1C3TZA	<50	180	<0.005	<0.005	<0.005	<0.015
H5652-4	S21901G1C4TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-5	S21901G1C5TZA	<50	626	<0.005	0.008	0.006	0.018
H5652-6	S21901G1C6TZA	117	4220	<0.005	0.009	0.054	0.571
H5652-7	S21901G1C7TZA	<50	420	<0.005	0.005	<0.005	<0.015
H5652-8	S21901G1C8TZA	<50	468	<0.005	0.005	<0.005	<0.015
H5652-9	S21901G1C9TZA	<50	73.8	<0.005	<0.005	<0.005	<0.015
H5652-10	S21901G1C10TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-11	S21901G1C13TZA	<50	186	<0.005	<0.005	<0.005	<0.015
Quality Control		766	808	0.099	0.097	0.096	0.288
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.4	101	99.4	97.4	95.8	95.9
Relative Percent Difference		1.9	0.4	3.7	6.7	1.1	1.3

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

2/27/01
Date

H5652A.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4761

Receiving Date: 02/26/01
Reporting Date: 03/05/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

RCRA METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		02/28/01	03/02/01	03/02/01	03/02/01	03/02/01	03/02/01	03/02/01	02/28/01
H5652-1	S21901G1C1TZA	1.16	1.16	20.9	5.05	8.45	1.50	0.046	0.510
H5652-2	S21901G1C2TZA	0.637	1.15	51.0	3.90	3.70	0.70	0.017	0.117
H5652-3	S21901G1C3TZA	4.10	2.25	72.3	2.70	11.30	10.00	<0.02	0.141
H5652-4	S21901G1C4TZA	0.547	1.20	93.7	1.25	10.95	0.90	<0.02	<0.01
H5652-5	S21901G1C5TZA	2.44	1.75	48.2	<1	8.30	5.50	0.042	<0.01
H5652-6	S21901G1C6TZA	2.47	2.25	76.8	<1	2.45	6.85	<0.02	0.116
H5652-7	S21901G1C7TZA	0.677	1.46	138	<1	3.80	1.30	0.029	<0.01
H5652-8	S21901G1C8TZA	1.12	1.46	150	<1	5.45	1.65	<0.02	<0.01
H5652-9	S21901G1C9TZA	1.18	1.50	155	<1	5.45	3.20	<0.02	0.420
H5652-10	S21901G1C10TZA	1.25	1.55	170	<1	0.50	0.70	<0.02	<0.01
H5652-11	S21901G1C13TZA	1.48	3.95	185	<1	4.45	1.65	<0.02	<0.01
Quality Control		0.199	4.623	70.40	0.916	4.955	4.966	0.00700	0.202
True Value QC		0.200	5.000	75.00	1.000	5.000	5.000	0.00600	0.200
% Recovery		99.5	91.5	93.9	91.6	99.1	99.7	85.7	101
Relative Percent Difference		0.2	0.2	1.1	1.2	1.4	3.0	1.4	2.4

METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Chemist

03/05/2001
Date

H5652AM.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 03/01/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO3/L)
ANALYSIS DATE:		02/28/01	03/01/01	03/01/01	03/01/01	02/28/01	03/01/01
H5652-1	S21901G1C1TZA	300	0	46	12	872	522
H5652-2	S21901G1C2TZA	338	247	46	42	2332	429
H5652-3	S21901G1C3TZA	520	213	37	56	2696	224
H5652-4	S21901G1C4TZA	333	117	29	31	1184	298
H5652-5	S21901G1C5TZA	753	439	67	24	5992	149
H5652-6	S21901G1C6TZA	841	206	46	33	4488	280
Quality Control		0.990	47	52	5.04	1489	NR
True Value QC		1.000	50	50	5.00	1413	NR
%Recovery		99.0	94.3	104	101	105	NR
Relative Percent Difference		0.4	8.5	0	2.0	0.3	NR
METHODS:		272.1	3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl- (mg/L)	SO4 (mg/L)	CO3 (mg/L)	HCO3 (mg/L)	pH (s.u.)
ANALYSIS DATE:		03/01/01	03/01/01	03/01/01	03/01/01	02/28/01
H5652-1	S21901G1C1TZA	128	96	0	637	8.28
H5652-2	S21901G1C2TZA	314	464	0	523	7.63
H5652-3	S21901G1C3TZA	157	564	0	273	7.53
H5652-4	S21901G1C4TZA	157	200	0	364	7.63
H5652-5	S21901G1C5TZA	1430	372	0	182	7.42
H5652-6	S21901G1C6TZA	1178	300	0	341	7.50
Quality Control		992	53.03	NR	995	7.03
True Value QC		1000	50.00	NR	1000	7.00
%Recovery		99.2	106	NR	99.6	100
Relative Percent Difference		3.9	3.0	NR	0	0
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts; conductivity results were therefore multiplied by 4.

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 03/01/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO3/L)
ANALYSIS DATE:		02/28/01	03/01/01	03/01/01	03/01/01	02/28/01	03/01/01
H5652-7	S21901G1C7TZA	976	364	87	44	7980	188
H5652-8	S21901G1C8TZA	373	144	25	21	2544	336
H5652-9	S21901G1C9TZA	326	76	8	14	736	690
H5652-10	S21901G1C10TZA	316	76	8	5.1	536	373
H5652-11	S21901G1C13TZA	318	69	17	4.5	756	391
Quality Control		0.990	47	52	5.04	1489	NR
True Value QC		1.000	50	50	5.00	1413	NR
%Recovery		99.0	94.3	104	101	105	NR
Relative Percent Difference		0.4	8.5	0	2.0	0.3	NR
METHODS:		272.1	3500-Ca-D	3500-Mg E	6049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl (mg/L)	SO4 (mg/L)	CO3 (mg/L)	HCO3 (mg/L)	pH (s.u.)
ANALYSIS DATE:		03/01/01	03/01/01	03/01/01	03/01/01	03/01/01
H5652-7	S21901G1C7TZA	2082	60	0	205	7.45
H5652-8	S21901G1C8TZA	198	96	0	409	7.85
H5652-9	S21901G1C9TZA	157	28	0	841	8.12
H5652-10	S21901G1C10TZA	118	24	0	455	8.08
H5652-11	S21901G1C13TZA	79	28	0	478	7.99
Quality Control		992	53.03	NR	995	7.03
True Value QC		1000	50.00	NR	1000	7.00
%Recovery		99.2	106	NR	99.5	100
Relative Percent Difference		3.9	3.0	NR	0	0
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts; conductivity results were therefore multiplied by 4.

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 03/01/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO3/L)
ANALYSIS DATE:		02/28/01	03/01/01	03/01/01	03/01/01	02/28/01	03/01/01
H5652-1	S21901G1C1TZA	300	0	46	12	872	522
H5652-2	S21901G1C2TZA	338	247	46	42	2332	429
H5652-3	S21901G1C3TZA	520	213	37	56	2696	224
H5652-4	S21901G1C4TZA	333	117	29	31	1184	298
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H5652-6	S21901G1C6TZA	841	206	46	33	4488	280
Quality Control		0.990	47	52	5.04	1489	NR
True Value QC		1.000	50	50	5.00	1413	NR
%Recovery		99.0	94.3	104	101	105	NR
Relative Percent Difference		0.4	8.5	0	2.0	0.3	NR
METHODS:		272.1	3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl (mg/L)	SO4 (mg/L)	CO3 (mg/L)	HCO3 (mg/L)	pH (s.u.)
ANALYSIS DATE:		03/01/01	03/01/01	03/01/01	03/01/01	02/28/01
H5652-1	S21901G1C1TZA	128	96	0	637	8.28
H5652-2	S21901G1C2TZA	314	464	0	523	7.63
H5652-3	S21901G1C3TZA	157	564	0	273	7.53
H5652-4	S21901G1C4TZA	157	200	0	364	7.63
H5652-5	S21901G1C5TZA	1430	372	0	162	7.42
H5652-6	S21901G1C6TZA	1178	300	0	341	7.50
Quality Control		992	53.03	NR	995	7.03
True Value QC		1000	50.00	NR	1000	7.00
%Recovery		99.2	106	NR	99.5	100
Relative Percent Difference		3.9	3.0	NR	0	0
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts; conductivity results were therefore multiplied by 4.

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 03/01/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO3/L)
ANALYSIS DATE:		02/28/01	03/01/01	03/01/01	03/01/01	02/28/01	03/01/01
H5652-7	S21901G1C7TZA	975	364	87	44	7980	168
H5652-8	S21901G1C8TZA	373	144	25	21	2544	336
H5652-9	S21901G1C9TZA	326	76	8	14	736	690
H5652-10	S21901G1C10TZA	316	76	8	5.1	536	373
H5652-11	S21901G1C13TZA	318	69	17	4.5	756	391
Quality Control		0.990	47	52	5.04	1489	NR
True Value QC		1.000	50	50	5.00	1413	NR
%Recovery		99.0	94.3	104	101	105	NR
Relative Percent Difference		0.4	8.5	0	2.0	0.3	NR
METHODS:		272.1	3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl (mg/L)	SO4 (mg/L)	CO3 (mg/L)	HCO3 (mg/L)	pH (s.u.)
ANALYSIS DATE:		03/01/01	03/01/01	03/01/01	03/01/01	03/01/01
H5652-7	S21901G1C7TZA	2082	60	0	205	7.45
H5652-8	S21901G1C8TZA	196	96	0	409	7.85
H5652-9	S21901G1C9TZA	157	28	0	841	8.12
H5652-10	S21901G1C10TZA	118	24	0	455	8.08
H5652-11	S21901G1C13TZA	79	28	0	478	7.99
Quality Control		992	53.03	NR	995	7.03
True Value QC		1000	50.00	NR	1000	7.00
%Recovery		99.2	106	NR	99.5	100
Relative Percent Difference		3.9	3.0	NR	0	0
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts; conductivity results were therefore multipled by 4.

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 03/05/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

RCRA METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		02/28/01	03/02/01	03/02/01	03/02/01	03/02/01	03/02/01	03/02/01	02/28/01
H5652-1	S21901G1C1TZA	1.15	1.15	20.9	5.05	8.45	1.50	0.046	0.510
H5652-2	S21901G1C2TZA	0.837	1.15	51.0	3.90	3.70	0.70	0.017	0.117
H5652-3	S21901G1C3TZA	4.10	2.25	72.3	2.70	11.30	10.00	<0.02	0.141
H5652-4	S21901G1C4TZA	0.547	1.20	93.7	1.25	10.95	0.90	<0.02	<0.01
H5652-5	S21901G1C5TZA	2.44	1.75	48.2	<1	8.30	5.50	0.042	<0.01
H5652-6	S21901G1C6TZA	2.47	2.25	76.6	<1	2.45	8.85	<0.02	0.118
H5652-7	S21901G1C7TZA	0.577	1.45	138	<1	3.80	1.30	0.029	<0.01
H5652-8	S21901G1C8TZA	1.12	1.45	150	<1	5.45	1.65	<0.02	<0.01
H5652-9	S21901G1C9TZA	1.18	1.60	155	<1	5.45	3.20	<0.02	0.420
H5652-10	S21901G1C10TZA	1.25	1.65	170	<1	0.50	0.70	<0.02	<0.01
H5652-11	S21901G1C13TZA	1.48	3.95	185	<1	4.45	1.65	<0.02	<0.01
Quality Control		0.199	4.823	70.40	0.916	4.955	4.986	0.00700	0.202
True Value QC		0.200	5.000	75.00	1.000	5.000	5.000	0.00600	0.200
% Recovery		99.5	91.5	93.9	91.6	99.1	99.7	85.7	101
Relative Percent Difference		0.2	0.2	1.1	1.2	1.4	3.0	1.4	2.4

METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Chemist

03/05/2001
Date

H5652M.XLS

CARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
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MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 02/27/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		02/26/01	02/26/01	02/26/01	02/26/01	02/26/01	02/26/01
H5652-1	S21901G1C1TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-2	S21901G1C2TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-3	S21901G1C3TZA	<50	180	<0.005	<0.005	<0.005	<0.015
H5652-4	S21901G1C4TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-5	S21901G1C5TZA	<50	626	<0.005	0.008	0.008	0.018
H5652-6	S21901G1C6TZA	117	4220	<0.005	0.009	0.054	0.571
H5652-7	S21901G1C7TZA	<50	420	<0.005	0.005	<0.005	<0.015
H5652-8	S21901G1C8TZA	<50	488	<0.005	0.005	<0.005	<0.015
H5652-9	S21901G1C9TZA	<50	73.8	<0.005	<0.005	<0.005	<0.015
H5652-10	S21901G1C10TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-11	S21901G1C13TZA	<50	166	<0.005	<0.005	<0.005	<0.015
Quality Control		755	808	0.099	0.097	0.096	0.288
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.4	101	99.4	97.4	95.8	95.9
Relative Percent Difference		1.9	0.4	3.7	5.7	1.1	1.3

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

2/27/01
Date

H5652A.XLS

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603   101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020   (505) 393-2326 Fax (505) 393-2476

CHAIN OF CUSTODY AND ANALYSIS REQUEST

Company Name: Texaco E&P, Inc.
Project Manager: Rodney Bailey, Hobbs OU
Address: 500 N. Loraine
City: Midland State: Tx Zip: 79702
Phone #: 915.688.2971 Fax #: 915.688.4754
Project #: 21901 Project Owner: Rodney Bailey
Project Name: Texaco Landfarm Annual Sampling
Project Location: W/2 S17 T24S R36E NMPM
Sampler Name: Bradley Blevins

BILL TO
P.O. #: SAME
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015m	BTEX 8021B/8260	Anions + Cations	8 RCRA Heavy Metals
H5652-1	S21901G1C1TZA	G	1			X					X		2-19-01	1:15	✓	✓	✓	✓
-2	S21901G1C2TZA	G	1			X					X		2-19-01	1:30	✓	✓	✓	✓
-3	S21901G1C3TZA	G	1			X					X		2-19-01	1:45	✓	✓	✓	✓
-4	S21901G1C4TZA	G	1			X					X		2-19-01	2:00	✓	✓	✓	✓
-5	S21901G1C5TZA	G	1			X					X		2-19-01	2:15	✓	✓	✓	✓
-6	S21901G1C6TZA	G	1			X					X		2-19-01	2:30	✓	✓	✓	✓
-7	S21901G1C7TZA	G	1			X					X		2-19-01	2:45	✓	✓	✓	✓
-8	S21901G1C8TZA	G	1			X					X		2-19-01	3:00	✓	✓	✓	✓
-9	S21901G2C9TZA	G	1			X					X		2-19-01	3:15	✓	✓	✓	✓
-10	S21901G2C10TZA	G	1			X					X		2-19-01	3:30	✓	✓	✓	✓

PLEASE NOTE: Liability and Damages. [illegible]

Terms and Conditions: [illegible]

Sampler Relinquished: Bradley Blevins Date: 2-19-01 Time: 4:30
Received By: Cody Mills

Relinquished By: Cody Mills Date: 2/20/01 Time: 9:10AM
Received By: (Lab Staff) [signature]

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No
CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☒ Yes ☐ No Add'l Fax #:

REMARKS:
11 - BTEX @ 60 = 660 → Pat McCasland / ERT
11 - TPH, 8015M, GRO & DRO @ 90 3/24/2001 = 990
11 - Cations & Anions @ 135 = 1485
11 - RCRA Metals @ 230 = 2530
State tax 339.90
6004.90

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page 2 of 2

		BILL TO	
Company Name:	Texaco E+P, Inc.	P.O. #:	SAME
Project Manager:	Rodney Bailey, Hobbs OL	Company:	
Address:	500 N Loraine	Attn:	
City:	Midland State: TX Zip: 79702	Address:	
Phone #:	915.688.2971 Fax #: 915.688.4751	City:	
Project #:	21901 Project Owner: Rodney Bailey	State: Zip:	
Project Name:	Texaco Lovington Farm Annual Sampling	Phone #:	
Project Location:	W/2 SW T24S R36E Lea NM	Fax #:	
Sampler Name:	Bradley Blevins		

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	† TPH 8015M	† BTEX 8020/8260	† Anions/Cations	† 8 RCRA Heavy Metals
H5652-1	521901G2C13TZA	G	1			X					X		2-19-01	3:45	X	X	X	X

LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: Bradley Blevins	Date: 2-19-01 Time: 4:30	Received By: Cody Mills	
Relinquished By: Cody Mills	Date: 2/20/01 Time: 9:10 AM	Received By: (Lab Staff) Burgandy Cooke	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Pat McCasland 394-2601

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

[redacted]INAL [redacted]ATORIES, INC.
2111 Beechwood, Abilene, TX 79603   101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020   (505) 393-2326 Fax (505) 393-2476

[redacted]AND [redacted]ANALYSIS REQUEST

Company Name: Texaco E & P, Inc.
Project Manager: Rodney Bailey, Hobbs Oil
Address: 500 N. Loraine
City: Midland State: Tx Zip: 79702
Phone #: 915.688.2971 Fax #: 915.688.4751
Project #: 21901 Project Owner: Rodney Bailey
Project Name: Texaco Lewo FARM Annual Sampling
Project Location: W/2 S17 T24S R36E NMPM
Sampler Name: Bradley Blevins

BILL TO
P.O. #: SAME
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015m	BTEX 8021B/8260	Anions & Cations	8 RCRA Heavy Metals
H3652-1	S21901G1C1TZA	G	1			X					X		2-19-01	1:15	✓	✓	✓	✓
-2	S21901G1C2TZA	G	1			X					X		2-19-01	1:30	✓	✓	✓	✓
-3	S21901G1C3TZA	G	1			X					X		2-19-01	1:45	✓	✓	✓	✓
-4	S21901G1C4TZA	G	1			X					X		2-19-01	2:00	✓	✓	✓	✓
-5	S21901G1C5TZA	G	1			X					X		2-19-01	2:15	✓	✓	✓	✓
-6	S21901G1C6TZA	G	1			X					X		2-19-01	2:30	✓	✓	✓	✓
-7	S21901G1C7TZA	G	1			X					X		2-19-01	2:45	✓	✓	✓	✓
-8	S21901G1C8TZA	G	1			X					X		2-19-01	3:00	✓	✓	✓	✓
-9	S21901G2C9TZA	G	1			X					X		2-19-01	3:15	✓	✓	✓	✓
-10	S21901G2C10TZA	G	1			X					X		2-19-01	3:30	✓	✓	✓	✓

Sampler Relinquished: Bradley Blevins Date: 2-19-01 Time: 4:30
Received By: Cody Mills

Relinquished By: Cody Mills Date: 2/26/01 Time: 9:10AM
Received By: (Lab Staff) [signature]

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No
CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☒ Yes ☐ No Add'l Fax #:
REMARKS: → Pat McCasland / ERT 394.2601

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CHAIN OF CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020

101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name:	Texaco E+P, Inc.
Project Manager:	Rodney Bailey, Hobbs OU
Address:	500 N Loraine
City:	Midland State: TX Zip: 79702
Phone #:	915.688.2971 Fax #: 915.688.4751
Project #:	21901 Project Owner: Rodney Bailey
Project Name:	Texaco Lovo Farm Annual Sampling
Project Location:	W/2 SW T24S R36E Lea Cnty
Sampler Name:	Bradley Blevins

BILL TO

P.O. #:	Same
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015M	BTEX 8020/8260	Anions/Cations	8 RCRA Heavy Metals
H5621	521901G2C13TZA	G	1			X					X		2-19-01	3:45	X	X	X	X

LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable order. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 2-19-01	Received By:	
Bradley Blevins	Time: 4:30	Cody Mills	
Relinquished By:	Date: 2/20/01	Received By: (Lab Staff)	
Cody Mills	Time: 9:10 AM	Burgess Cooke	

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
Yes / No	Yes / No	

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☑ Yes	☐ No	Add'l Fax #:

REMARKS: Post BP Casing 394-2601

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 796
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 05/17/01
Reporting Date: 05/21/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 05/17/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		05/18/01	05/18/01	05/18/01	05/18/01	05/18/01	05/18/01
H5877-1	S51701G1C1TZ	<50	181	<0.005	<0.005	<0.005	<0.015
H5877-2	S51701G1C1LZ	<50	2809	<0.005	<0.005	<0.005	<0.015
H5877-3	S51701G1C2TZ	<50	118	<0.005	<0.005	<0.005	<0.015
H5877-4	S51701G1C3TZ	<50	2530	<0.005	<0.005	<0.005	<0.015
H5877-5	S51701G1C4TZ	<50	62.4	<0.005	<0.005	<0.005	<0.015
H5877-6	S51701G1C5LZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-7	S51701G1C5TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-8	S51701G1C6TZ	<50	57.2	<0.005	<0.005	<0.005	<0.015
H5877-9	S51701G1C7TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-10	S51701G1C8TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-11	S51701G1C9TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-12	S51701G1C10TZ	<50	71.4	<0.005	<0.005	<0.005	<0.015
H5877-13	S51701G1C11TZ	<50	153	<0.005	<0.005	<0.005	<0.015
H5877-14	S51701G1C12TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-15	S51701G1C13TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
Quality Control		766	805	0.102	0.102	0.095	0.273
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.6	101	104	102	95.1	96.1
Relative Percent Difference		9.7	5.0	2.5	6.3	5.8	4.5

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

5/21/01
Date

877B.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 7
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 05/17/01
Reporting Date: 05/22/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Analysis Date: 05/21/01
Sampling Date: 05/17/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl⁻ (mg/Kg)
H5877-2	S51701G1C1LZ	1601
H5877-8	S51701G1C5LZ	1274
Quality Control		1068
True Value QC		1000
% Recovery		107
Relative Percent Difference		9.1

METHOD: Standard Methods	4500-ClB

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

5-22-01
Date

H5877A.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 05/17/01
Reporting Date: 05/21/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 05/17/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		05/18/01	05/18/01	05/18/01	05/18/01	05/18/01	05/18/01
H5877-1	S51701G1C1TZ	<50	181	<0.005	<0.005	<0.005	<0.016
H5877-2	S51701G1C1LZ	<50	2809	<0.005	<0.005	<0.005	<0.015
H5877-3	S51701G1C2TZ	<50	118	<0.005	<0.005	<0.005	<0.015
H5877-4	S51701G1C3TZ	<50	2530	<0.005	<0.005	<0.005	<0.015
H5877-5	S51701G1C4TZ	<50	62.4	<0.005	<0.005	<0.005	<0.015
H5877-6	S51701G1C5LZ	<50	<50	<0.005	<0.005	<0.005	<0.015
877-7	S51701G1C5TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-8	S51701G1C6TZ	<50	57.2	<0.005	<0.005	<0.005	<0.015
H5877-9	S51701G1C7TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-10	S51701G1C8TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-11	S51701G1C9TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-12	S51701G1C10TZ	<50	71.4	<0.005	<0.005	<0.005	<0.015
H5877-13	S51701G1C11TZ	<50	153	<0.005	<0.005	<0.005	<0.015
H5877-14	S51701G1C12TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-15	S51701G1C13TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
Quality Control		758	805	0.102	0.102	0.096	0.273
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.6	101	104	102	95.1	95.1
Relative Percent Difference		9.7	5.0	2.6	6.3	5.8	4.5

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

5/21/01
Date

H5877B.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 05/17/01
Reporting Date: 05/22/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Analysis Date: 05/21/01
Sampling Date: 05/17/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H5877-2	S51701G1C1LZ	1601
H5877-6	S51701G1C5LZ	1274
Quality Control		1068
True Value QC		1000
% Recovery		107
Relative Percent Difference		9.1

METHOD: Standard Methods	4500-Cl⁻B

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

5-22-01
Date

H5877A.XLS

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name: Texaco E&P	BILL TO
Project Manager: Rodney Baily	P.O. #:
Address:	Company: Texaco E&P
City: State: Zip:	Attn:
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name: Texaco Lazy Farms	State: Zip:
Project Location:	Phone #:
Sampler Name: Bradley Billman	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: TPH 8015m	BTex 8020-8260	Chlorides
H5877-1	SS1701G1C1TZ	G				X					X		5-17-01	7:50	X	X	
-2	SS1701G1C1LZ	C				X					X		5-17-01	7:40	X	X	X
-3	SS1701G1C2TZ	G				X					X		5-17-01	8:05	X	X	
-4	SS1701G1C3TZ	G				X					X		5-17-01	8:15	X	X	
-5	SS1701G1C4TZ	G				X					X		5-17-01	8:25	X	X	
-6	SS1701G1C5LZ	C				X					X		5-17-01	8:35	X	X	X
-7	SS1701G1C5TZ	G				X					X		5-17-01	8:35	X	X	
-8	SS1701G1C6TZ	G				X					X		5-17-01	8:45	X	X	
-9	SS1701G1C7TZ	G				X					X		5-17-01	9:00	X	X	
-10	SS1701G1C8TZ	G				X					X		5-17-01	9:10	X	X	

Sampler Relinquished: Bradley Billman	Date: 5-17-01 Time: 3:00	Received By: Cody Mills	
Relinquished By: Cody Mills	Date: 5-17-01 Time: 4:30	Received By: (Lab Staff) Jamie Hill	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☑ Yes ☐ No Add'l Fax #:
REMARKS:
Fax Results To Pat McCasland EPI 394-2601
CofC Released

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name:	Texaco E+P
Project Manager:	Radney Bowling
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	Texaco Southsea
Project Location:	
Sampler Name:	Bradley Blevins

BILL TO

P.O. #:	
Company:	Texaco E+P
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015m	BTEX 8020-8260	Chlorides										
-11	S51701G2C9TZ	G				X					X		5-17-01	10:25	X	X										
-12	S51701G2C10TZ	G				X					X		5-17-01	10:35	X	X										
-13	S51701G2C11TZ	G				X					X		5-17-01	10:35	X	X										
-14	S51701G2C12TZ	G				X					X		5-17-01	10:50	X	X										
-15	S51701G2C13TZ	G				X					X		5-17-01	11:00	X	X										

Sampler Relinquished:	Date: 5-17-01	Received By:	
Bradley Blevins	Time: 3:10		
Relinquished By:	Date:	Received By: (Lab Staff) †	
	Time:		
Delivered By: (Circle One)		Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:			

Phone Result: ☐ Yes ☐ No Add'l Phone #: 394-2601
Fax Result: ☑ Yes ☐ No Add'l Fax #:
REMARKS: Att: Pat McCasland

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 08/31/01
Reporting Date: 09/05/01
Project Owner: TEXACO
Project Name: TEXACO LAND FARM
Project Location: NOT GIVEN

Sampling Date: 08/29-08/30/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		08/31/01	08/31/01	09/04/01	09/04/01	09/04/01	09/04/01
H6127-1	TLF82901C1	<50	66.1	<0.005	<0.005	<0.005	<0.015
H6127-2	TLF82901C2	<50	518	<0.005	<0.005	<0.005	<0.015
H6127-3	TLF83001C3	<50	422	<0.005	<0.005	<0.005	<0.015
H6127-4	TLF83001C4	<50	88.1	<0.005	<0.005	<0.005	<0.015
H6127-5	TLF83001C5	<50	1210	<0.005	<0.005	<0.005	<0.015
H6127-6	TLF83001C6	<50	822	<0.005	<0.005	<0.005	<0.015
H6127-7	TLF83001C7	<50	344	<0.005	<0.005	<0.005	<0.015
H6127-8	TLF83001C8	<50	420	<0.005	<0.005	<0.005	<0.015
H6127-9	TLF83001C9	<50	266	<0.005	<0.005	<0.005	<0.015
H6127-10	TLF83001C10	<50	254	<0.005	<0.005	<0.005	<0.015
H6127-11	TLF83001C11	<50	351	<0.005	<0.005	<0.005	<0.015
H6127-12	TLF83001C12	<50	299	<0.005	<0.005	<0.005	<0.015
H6127-13	TLF83001C13	<50	758	<0.005	<0.005	<0.005	<0.015
H6127-14	TLF83001C14	<50	180	<0.005	<0.005	<0.005	<0.015
H6127-15	TLF83001C15	<50	440	<0.005	<0.005	<0.005	<0.015
Quality Control		800	788	0.102	0.098	0.105	0.306
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		100	98.5	102	98.1	105	102
Relative Percent Difference		1.9	3.4	3.6	2.0	1.2	0.9

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

9/5/01
Date

H6127.XLS

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name:	Texaco E&P
Project Manager:	Rodney Ballard
Address:	Box 3109
City:	Midland State: Tx Zip: 79702
Phone #:	915-688-2971 Fax #: 915 688 4751
Project #:	Project Owner: Texaco
Project Name:	Texaco Land Farm
Project Location:	
Sampler Name:	Bradley Blevins

BILL TO

P.O. #:	Same
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015m	BTex 8021b
26127-11	TLF83001C11	G	1			X					X		8-30-01	9:25	X	X
-12	TLF83001C12	G	1			X					X		8-30-01	9:35	X	X
-13	TLF83001C13	G	1			X					X		8-30-01	9:45	X	X
-14	TLF83001C14	G	1			X					X		8-30-01	9:55	X	X
-15	TLF83001C15	G	1			X					X		8-30-01	10:05	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 8/30/01	Received By:	
Bradley Blevins	Time: 3:00	Cody Miller	
Relinquished By:	Date: 8/31/01	Received By: (Lab Staff)	
Cody Miller	Time:	Burgess A Cooke	
Delivered By: (Circle One)	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

15 - BTEX 8260 = 900
15 - TPH, 8015M @ 90 = 1350
STATE TAX 135

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

2385

5053932476 04/12/2002 10:56 PAGE 02 CARDINAL LAB HOBBS

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page 1 of 2

Company Name:	Texaco E+P	BILL TO	
Project Manager:	Rodney Ball'14	P.O. #:	Same
Address:	Box 3109	Company:	
City: Midland	State: Tx Zip: 79702	Attn:	
Phone #: 915-688-2971	Fax #: 915 688 4951	Address:	
Project #:	Project Owner: TEXACO	City:	
Project Name:	Texaco Landfarm Cells	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	Bradley Blevins	Fax #:	

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015m
H6127-1	TLF82901C1	G	1			X					X		8-29-01	2:00	X	X
-2	TLF82901C2	G	1			X					X		8-29-01	2:40	X	X
-3	TLF83001C3	G	1			X					X		8-30-01	8:00	X	X
-4	TLF83001C4	G	1			X					X		8-30-01	8:15	X	X
-5	TLF83001C5	G	1			X					X		8-30-01	8:20	X	X
-6	TLF83001C6	G	1			X					X		8-30-01	8:35	X	X
-7	TLF83001C7	G	1			X					X		8-30-01	8:45	X	X
-8	TLF83001C8	G	1			X					X		8-30-01	8:55	X	X
-9	TLF83001C9	G	1			X					X		8-30-01	9:05	X	X
-10	TLF83001C10	G	1			X					X		8-30-01	9:15	X	X

CARDINAL LAB HOBBS

PAGE 03

5053932476

04/12/2002 10:55

Sampler Relinquished: Bradley Blevins Date: 8-30-01 Time: 9:00

Received By: Cody Mills

Relinquished By: Cody Mills Date: 8/31/01 Time:

Received By: (Lab Staff) Burgess A Cook

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 11/29/01
Reporting Date: 12/05/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: TLF

Sampling Date: 11/26/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		12/04/01	12/04/01	11/30/01	11/30/01	11/30/01	11/30/01
H6307-1	TLF112701LZC1	<50	1180	<0.005	0.008	<0.005	<0.015
H6307-2	TLF112701TZC1	<50	68.8	<0.005	<0.005	<0.005	<0.015
H6307-3	TLF112701LZC2	<50	319	<0.005	0.013	0.006	<0.015
H6307-4	TLF112701TZC2	<50	74.6	<0.005	<0.005	<0.005	<0.015
H6307-5	TLF112701LZC3	<50	643	<0.005	0.010	<0.005	<0.015
H6307-6	TLF112701TZC3	<50	133	<0.005	<0.005	<0.005	<0.015
H6307-7	TLF112701LZC4	<50	123	<0.005	0.006	<0.005	<0.015
H6307-8	TLF112701TZC4	<50	<50	<0.005	<0.005	<0.005	<0.015
H6307-9	TLF112701LZC5	<50	572	<0.005	0.008	<0.005	<0.015
H6307-10	TLF112701TZC5	<50	53.1	<0.005	<0.005	<0.005	<0.015
H6307-11	TLF112701LZC6	<50	2330	<0.005	0.007	<0.005	<0.015
H6307-12	TLF112701TZC6	<50	369	<0.005	<0.005	<0.005	<0.015
H6307-13	TLF112701LZC7	<50	363	<0.005	0.007	<0.005	<0.015
H6307-14	TLF112701TZC7	<50	60.6	<0.005	<0.005	<0.005	<0.015
H6307-15	TLF112701TZC8	<50	<50	<0.005	<0.005	<0.005	<0.015
H6307-16	TLF112701TZC9	<50	72.7	<0.005	<0.005	0.005	<0.015
H6307-17	TLF112701TZC10	<50	64.4	<0.005	<0.005	<0.005	<0.015
H6307-18	TLF112701TZC11	<50	<50	<0.005	<0.005	<0.005	<0.015
H6307-19	TLF112701TZC12	<50	206	<0.005	<0.005	<0.005	<0.015
H6307-20	TLF112701TZC13	<50	164	<0.005	<0.005	<0.005	<0.015
H6307-21	TLF112701TZC14	<50	70.4	<0.005	<0.005	<0.005	<0.015
H6307-22	TLF112701TZC15	<50	192	<0.005	<0.005	<0.005	<0.015
H6307-23	TLF112701TZC16	<50	185	<0.005	<0.005	<0.005	<0.015
Quality Control		792	840	0.102	0.100	0.103	0.300
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		99.0	105	102	99.5	103	300
Relative Percent Difference		8.9	5.4	8.2	6.2	5.7	6.6

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

12/5/01
Date

H6307.XLS

CARDINAL LABORATORIES, INC.

CHAIN OF CUSTODY / ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

Company Name:
Project Manager:
Address:
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner:
Project Name:
Project Location:
Sampler Name:

BILL TO

P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
	STLF22802G1C1TZ	G	1			X					X		2-28-02	7:50
	STLF22802G1C1LZ	C	1			X					X		2-28-02	7:55
	STLF22802G1C2TZ	G	1			X					X		2-28-02	8:10
	STLF22802G1C2LZ	C	1			X					X		2-28-02	8:15
	STLF22802G1C3TZ	G	1			X					X		2-28-02	8:35
	STLF22802G1C3LZ	C	1			X					X		2-28-02	8:40
	STLF22802G1C4TZ	G	1			X					X		2-28-02	8:50
	STLF22802G1C4LZ	C	1			X					X		2-28-02	8:55
	STLF22802G1C5TZ	G	1			X					X		2-28-02	9:05
	STLF22802G1C5LZ	C	1			X					X		2-28-02	9:10

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Date: Time:
Relinquished By: Date: Time:
Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Received By:
Received By: (Lab Staff)

Sample Condition: Cool ☐Yes ☐No Intact ☐Yes ☐No
CHECKED BY: (Initials)

Phone Result: ☐Yes ☐No Add'l Phone #:
Fax Result: ☐Yes ☐No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

211 E. Broadway, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020

101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

Company Name:	**BILL TO**
Project Manager:	P.O. #:
Address:	Company:
City: State: Zip:	Attn:
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
	STLF22802G2C13T2	G	1			X					X		2-28-02	1:10
	STLF22802G2C14T2	G	1			X					X		2-28-02	1:20
	STLF22802G2C15T2	G	1			X					X		2-28-02	1:40
	STLF22802G2C16T2	G	1			X					X		2-28-02	1:50

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 20% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By:	Date:	Received By: (Lab Staff)	
	Time:		

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☐ Yes ☐ No	☐ Yes ☐ No	

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:
REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/05/02
Project Owner: TEXACO
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		03/01/02	03/01/02	03/04/02	03/04/02	03/04/02	03/04/02
H6554-1	STLF22802G1C1TZ	<20.0	107	<0.010	<0.010	<0.010	<0.030
H6554-2	STLF22802G1C2TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-3	STLF22802G1C3TZ	<20.0	35.0	<0.010	<0.010	<0.010	<0.030
H6554-4	STLF22802G1C4TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-5	STLF22802G1C5TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-6	STLF22802G1C6TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-7	STLF22802G1C7TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-8	STLF22802G1C8TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-9	STLF22802G2C9TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-10	STLF22802G2C10TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-11	STLF22802G2C11TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-12	STLF22802G2C12TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-13	STLF22802G2C13TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-14	STLF22802G2C14TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-15	STLF22802G2C15TZ	<20.0	<20.0	<0.010	<0.010	<0.010	<0.030
H6554-16	STLF22802G2C16TZ	<20.0	31.6	<0.010	<0.010	<0.010	<0.030
Quality Control		791	826	0.111	0.104	0.104	0.315
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		98.8	103	111	104	104	105
Relative Percent Difference		2.4	9.1	1.5	1.4	4.6	0.2

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.
NOTE: Detection limits are elevated due to limited amounts of samples.

Burgess J. A. Cooke, Ph. D.

3/5/02
Date

H6554A.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON-TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/06/02
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity ($mgCaCO_3$/Kg)
ANALYSIS DATE:		03/05/02	03/05/02	03/05/02	03/05/02	03/05/02	03/05/02
H6554-1	STLF22802G1C1TZ	235	128	52	0	1035	888
H6554-2	STLF22802G1C2TZ	220	96	74	0	879	977
H6554-3	STLF22802G1C3TZ	161	109	43	0	1014	639
H6554-4	STLF22802G1C4TZ	77	103	58	0	950	462
Quality Control		NR	55	49	5.27	1489	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	110	97.2	105	105	NR
Relative Percent Difference		NR	0	6.0	0	0.3	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl (mg/Kg)	SO_4 (mg/Kg)	CO_3 (mg/Kg)	HCO_3 (mg/Kg)	pH (s.u.)
ANALYSIS DATE:		03/05/02	03/05/02	03/05/02	03/05/02	03/05/02
H6554-1	STLF22802G1C1TZ	112	0	64	952	8.34
H6554-2	STLF22802G1C2TZ	32	0	43	1105	8.57
H6554-3	STLF22802G1C3TZ	64	66	43	693	8.46
H6554-4	STLF22802G1C4TZ	48	112	21	542	8.44
Quality Control		1040	52.66	NR	975	7.11
True Value QC		1000	50.00	NR	1000	7.00
% Recovery		104	105	NR	97.5	102
Relative Percent Difference		2.0	0.6	NR	2.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

3-6-02
Date

H6554a

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON-TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/06/02
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity ($mgCaCO_3/Kg$)
ANALYSIS DATE:		03/05/02	03/05/02	03/06/02	03/05/02	03/05/02	03/05/02
H6554-5	STLF22802G1C5TZ	41	180	23	0	1068	408
H6554-6	STLF22802G1C6TZ	280	115	47	0	1597	888
H6554-7	STLF22802G1C7TZ	277	154	54	0	815	1066
H6554-8	STLF22802G1C8TZ	36	212	66	0	1939	341
Quality Control		NR	55	49	5.27	1489	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	110	97.2	105	105	NR
Relative Percent Difference		NR	0	6.0	0	0.3	NR
METHODS:		SM3500-Ca-D	3500-Mg E		8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)	SO_4 (mg/Kg)	CO_3 (mg/Kg)	HCO_3 (mg/Kg)	pH (s.u.)
ANALYSIS DATE:		03/05/02	03/05/02	03/05/02	03/05/02	03/05/02
H6554-5	STLF22802G1C5TZ	128	43	0	498	8.24
H6554-6	STLF22802G1C6TZ	64	108	21	1040	8.5
H6554-7	STLF22802G1C7TZ	64	0	64	1235	8.56
H6554-8	STLF22802G1C8TZ	96	190	0	477	8.29
Quality Control		1040	52.66	NR	975	7.11
True Value QC		1000	50.00	NR	1000	7.00
% Recovery		104	105	NR	97.5	102
Relative Percent Difference		2.0	0.6	NR	2.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

3-6-02
Date

H6554b

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON-TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/07/02
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity ($mgCaCO_3/Kg$)
ANALYSIS DATE:		03/07/02	03/07/02	03/07/02	03/07/02	03/07/02	03/07/02
H6554-9	STLF22802G1C9TZ	106	83	31	0	736	373
H6554-10	STLF22802G1C10TZ	12	186	47	0	1502	213
H6554-11	STLF22802G1C11TZ	152	83	27	0	1098	249
H6554-12	STLF22802G1C12TZ	5	96	54	0	1939	249
Quality Control		NR	55	49	5.27	1489	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	110	97.2	105	105	NR
Relative Percent Difference		NR	0	6.0	0	0.3	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)	SO_4 (mg/Kg)	CO_3 (mg/Kg)	HCO_3 (mg/Kg)	pH (s.u.)
ANALYSIS DATE:		03/07/02	03/07/02	03/07/02	03/07/02	03/07/02
H6554-9	STLF22802G1C9TZ	64	98	0	455	8.08
H6554-10	STLF22802G1C10TZ	176	165	0	260	7.97
H6554-11	STLF22802G1C11TZ	80	277	0	303	8.21
H6554-12	STLF22802G1C12TZ	96	65	0	303	8.21
Quality Control		1040	52.66	NR	975	7.11
True Value QC		1000	50.00	NR	1000	7.00
% Recovery		104	105	NR	97.5	102
Relative Percent Difference		2.0	0.6	NR	2.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

3-7-02
Date

H6554c

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON-TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/07/02
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity ($mgCaCO_3$/Kg)
ANALYSIS DATE:		03/07/02	03/07/02	03/07/02	03/07/02	03/07/02	03/07/02
H6554-13	STLF22802G1C13TZ	6	71	51	0	661	284
H6554-14	STLF22802G1C14TZ	79	90	23	0	698	337
H6554-15	STLF22802G1C15TZ	48	103	43	0	800	320
H6554-16	STLF22802G1C16TZ	247	90	43	0	804	781
Quality Control		NR	55	49	5.27	1489	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	110	97.2	105	105	NR
Relative Percent Difference		NR	0	6.0	0	0.3	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)	SO_4 (mg/Kg)	CO_3 (mg/Kg)	HCO_3 (mg/Kg)	pH (s.u.)
ANALYSIS DATE:		03/07/02	03/07/02	03/07/02	03/07/02	03/07/02
H6554-13	STLF22802G1C13TZ	64	0	43	260	8.29
H6554-14	STLF22802G1C14TZ	48	83	0	412	8.22
H6554-15	STLF22802G1C15TZ	64	123	0	390	8.20
H6554-16	STLF22802G1C16TZ	48	85	43	867	8.34
Quality Control		1040	52.66	NR	975	7.11
True Value QC		1000	50.00	NR	1000	7.00
% Recovery		104	105	NR	97.5	102
Relative Percent Difference		2.0	0.6	NR	2.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

3-7-02
Date

H6554d

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON-TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/07/02
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		03/06/02	03/04/02	03/04/02	03/05/02	03/05/02	03/04/02	03/05/02	03/07/02
H6554-1	STLF22802G1C1TZ	2.21	1.45	<1	<1	<1	3.00	<0.2	0.397
H6554-2	STLF22802G1C2TZ	2.44	3.05	<1	<1	<1	13.2	<0.2	0.664
H6554-3	STLF22802G1C3TZ	4.22	2.75	<1	<1	<1	10.0	<0.2	0.477
H6554-4	STLF22802G1C4TZ	3.35	3.15	<1	<1	<1	11.3	<0.2	0.989
H6554-5	STLF22802G1C5TZ	2.24	2.80	<1	<1	<1	7.10	<0.2	1.00
H6554-6	STLF22802G1C6TZ	1.35	3.10	<1	<1	<1	7.75	<0.2	1.16
H6554-7	STLF22802G1C7TZ	1.95	3.05	<1	<1	<1	7.20	<0.2	1.16
H6554-8	STLF22802G1C8TZ	2.35	2.70	<1	<1	<1	3.60	<0.2	1.34
Quality Control		0.052	0.852	27.20	0.964	4.660	4.375	0.00212	0.049
True Value QC		0.050	1.000	25.00	1.000	5.000	5.000	0.00200	0.050
% Recovery		104	85.2	109	96.4	93.2	87.5	106	98.0
Relative Percent Difference		7.8	0.6	4.5	0.1	0.3	0.2	6.0	1.2
METHODS: EPA 600/4-79-020		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS:	SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Amy Hill
Chemist

3-7-02
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON-TEXACO
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 03/01/02
Reporting Date: 03/07/02
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 02/28/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		03/06/02	03/04/02	03/04/02	03/05/02	03/05/02	03/04/02	03/05/02	03/07/02
H6554-9	STLF22802G1C9TZ	3.33	11.2	<1	<1	<1	5.05	<0.2	1.25
H6554-10	STLF22802G1C10TZ	2.04	7.95	<1	<1	<1	3.60	<0.2	1.44
H6554-11	STLF22802G1C11TZ	1.50	6.85	<1	<1	<1	7.15	<0.2	1.34
H6554-12	STLF22802G1C12TZ	1.91	4.35	<1	<1	<1	4.35	<0.2	1.53
H6554-13	STLF22802G1C13TZ	2.67	4.10	<1	<1	<1	3.80	<0.2	0.791
H6554-14	STLF22802G1C14TZ	2.68	3.50	<1	<1	<1	1.80	<0.2	0.330
H6554-15	STLF22802G1C15TZ	3.39	3.10	<1	<1	<1	<1	<0.2	0.199
H6554-16	STLF22802G1C16TZ	2.47	3.65	<1	<1	<1	1.90	<0.2	2.20
Quality Control		0.052	0.852	27.20	0.964	4.660	4.375	0.00212	0.049
True Value QC		0.050	1.000	25.00	1.000	5.000	5.000	0.00200	0.050
% Recovery		104	85.2	109	96.4	93.2	87.5	106	98.0
Relative Percent Difference		7.8	0.6	4.5	0.1	0.3	0.2	6.0	1.2
METHODS: EPA 600/4-79-020		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846		7060A	7760A	7080A	7130	7190	7420	7470A	7740

Amy Hill
Chemist

3-7-02
Date

[redacted] 111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020 101 East Marland, Hobbs, NM 882[redacted] (505) 393-2326 Fax (505) 393-2476

Page 1 of 2

Company Name:	CHEVRON TEXACO
Project Manager:	RODNEY BAILEY
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	TEXACO LAND FARM
Project Location:	
Sampler Name:	B. Blevins

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State: Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE/COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	ANIONS	Cations	8 RCRA Metals
H655F-11	STLF22802GRC11TB	G	1			X					X		12-28	12:45	X	X	X	X	X
-12	STLF22802GRC12TB	G	1			X					X		12-28	1:30	X	X	X	X	X
-13	STLF22802GRC13TB	G	1			X					X		12:28	1:10	X	X	X	X	X
-14	STLF22802GRC14TB	G	1			X					X		12:28	1:20	X	X	X	X	X
-15	STLF22802GRC15TB	G	1			X					X		12:28	1:40	X	X	X	X	X
-16	STLF22802GRC16TB	G	1			X					X		12:28	1:50	X	X	X	X	X

PAGE 02

CARDINAL LAB HOBBS

5053932476

03/07/2002 15:10

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

Sampler Relinquished: Bradley Blevins Date: 2-28 Time: 3:00

Relinquished By: Date: 3/02 Time: 4:35PM

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Received By:

Received By: (Lab Staff)

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☒ Yes ☐ No Add'l Fax #:

REMARKS: → Pat McCasland 505 394-2601

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

1 of 2

Company Name	Chevron Texaco
Project Manager	Rodney Bailey
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Texaco
Project Name	Texaco Land Farm
Project Location	
Sampler Name	B. Blevins

Bill To

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE	ICE/COOL	OTHER	SAMPLING DATE	SAMPLING TIME	BTEX 8021B	TPH 8015M	ANIONS	CATIONS	B RCRA Metals
H6554	STLF22802G1C1TZ	G	1			X				X	X		2-28-02	7:30	X	X	X	X	X
-2	STLF22802G1C2TZ	G	1			X				X	X		2-28	8:10	X	X	X	X	X
-3	STLF22802G1C3TZ	G	1			X				X	X		2-28	8:35	X	X	X	X	X
-4	STLF22802G1C4TZ	G	1			X				X	X		2-28	8:50	X	X	X	X	X
-5	STLF22802G1C5TZ	G	1			X					X		2-28	9:05	X	X	X	X	X
-6	STLF22802G1C6TZ	G	1			X					X		2-28	9:20	X	X	X	X	X
-7	STLF22802G1C7TZ	G	1			X					X		2-28	9:35	X	X	X	X	X
-8	STLF22802G1C8TZ	G	1			X					X		2-28	9:50	X	X	X	X	X
-9	STLF22802G1C9TZ	G	1			X					X		2-28	10:15	X	X	X	X	X
-10	STLF22802G1C10TZ	G	1			X					X		2-28	12:30	X	X	X	X	X

CARDINAL LAB HOBBS

5053932475

03/07/2002 15:10

Sampler Relinquished: Bradley Blevins
Date: 2-28
Time: 3:00

Relinquished by: Delivered by Sampler
Date: 3/1/02
Time: 4:35PM

Received By:

Received By: (lab staff)

Sample Cool & Intact: Yes / No

Checked By:

Fax Results To Pat McCasland 505-394-2601

REMARKS:

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

1 of 2

Company Name	Chevron Texaco
Project Manager	Rodney Bailey
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Texaco
Project Name	Texaco Land Farm
Project Location	
Sampler Name	B. Blevins

Bill To

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	Anions	Cations	8 RCRA Metals							
H6554	STLF 22802 G1C1 TZ	G	1			X				X	X		7-28-02	7:50	X	X	X	X	X							
-2	STLF 22802 G1C2 TZ	G	1			X				X	X		7-28	8:10	X	X	X	X	X							
-3	STLF 22802 G1C3 TZ	G	1			X				X	X		7-28	8:35	X	X	X	X	X							
-4	STLF 22802 G1C4 TZ	G	1			X				X	X		7-28	8:50	X	X	X	X	X							
-5	STLF 22802 G1C5 TZ	G	1			X					X		7-28	9:05	X	X	X	X	X							
-6	STLF 22802 G1 C6 TZ	G	1			X					X		7-28	9:20	X	X	X	X	X							
-7	STLF 22802 G1 C7 TZ	G	1			X					X		7-28	9:35	X	X	X	X	X							
-8	STLF 22802 G1C8 TZ	G	1			X					X		7-28	9:50	X	X	X	X	X							
-9	STLF 22802 G1C9 TZ	G	1			X					X		7-28	10:15	X	X	X	X	X							
-10	STLF 22802 G1C10 TZ	G	1			X					X		7-28	12:30	X	X	X	X	X							

Sampler Relinquished: Bradley Blevins	Date 7-28 Time 3:00	Received By:	Fax Results To Pat McCasland 505-394-2601
Relinquished by:	Date 7/28/02 Time 4:35PM	Received By: (lab staff)	REMARKS:
Delivered by Sampler	Sample Cool & Intact: (Yes) No	Checked By:	

[redacted] ABORATORIES, [redacted] CHAIN OF CUSTODY AND ANALYSIS REQUEST

211 [redacted]echwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 8824[redacted] (505) 393-2326 Fax (505) 393-2476

Company Name:	CHEVRON TEXACO	**BILL TO**	
Project Manager:	RODNEY BAILEY	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	TEXACO LAND FARM	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	B. Blevins	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE/COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	ANIONS	CATIONS	8 RCRA METALS
H655[redacted]-11	STLF22802GRC11TZ	G	1			X					X		12-28	12:45	X	X	X	X	X
-12	STLF22802GRC12TZ	G	1			X					X		12-28	1:30	X	X	X	X	X
-13	STLF22802GRC13TZ	G	1			X					X		12:28	1:10	X	X	X	X	X
-14	STLF22802GRC14TZ	G	1			X					X		12:28	1:20	X	X	X	X	X
-15	STLF22802GRC15TZ	G	1			X					X		12:28	1:40	X	X	X	X	X
-16	STLF22802GRC16TZ	G	1			X					X		12:28	1:50	X	X	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 2-28	Received By:	
Bradley Blevins	Time: 3:00		
Relinquished By:	Date: 3/1/02	Received By: (Lab Staff)	
	Time: 4:35PM		
Delivered By: (Circle One)	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: → Pat McCasland 505 394-2601

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

Attachment II: Data Summary

ChevronTexaco Landfarm: Gallery 1 Cell 1

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/17/2000 S00217G1C1TZ1A Annual/TZ	5/22/2000 S00522G1C1TZ1B Quarterly/TZ	8/28/2000 S00828G1C1TZ3Q Quarterly/TZ	8/28/2000 S00828G1C1LZ Lift Zone Check	11/20/2000 S001120G1C14QTZ Quarterly/TZ	2/19/2001 S21901G1C1TZA Annual/TZ	5/17/2001 S51701G1C1TZ Quarterly/TZ	5/17/2001 S51701G1C1LZ Lift Zone Check	8/29/2001 TLF82901C1 Quarterly/TZ	11/26/2001 TLF112701TZC1 Quarterly/TZ	11/26/2001 TLF112701LZC1 Lift Zone Check	2/28/2002 STLF22802G1C1TZ Annual/TZ	6/5/2002 CTLF6502TZC1 Quarterly/TZ	6/5/200 CTLF6502 Lift Zone C
TPH (GRO)[1]	mg/Kg	5	50	50	50	50	50	50	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	154	50	156	2070	117	50	181	2809	66.1	1180	68.8	107	46.8	101
TPH (DRO+GRO)	mg/Kg	5.0	204	100	206	2120	167	100	231	2859	116.1	1230	118.8	127	56.8	111
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.008	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.017	0.005
Total Xylene	mg/Kg	0.05	0.015	0.015	0.015	0.015	0.150	0.015	0.015	0.015	0.015	0.015	0.015	0.030	0.030	0.015
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.030	0.030	0.165	0.030	0.030	0.030	0.030	0.030	0.033	0.060	0.057	0.034
Potassium (K)	mg/Kg	39.0	22					12						0		
Magnesium (Mg)	mg/Kg	49.0	31					46						52		
Calcium (Ca)	mg/Kg	800.0	115					0						128		
Sodium (Na)	mg/Kg	5.1	643					300						235		
Fluoride (F)	mg/Kg	1.7	na													
Chloride (Cl)	mg/Kg	10.0	96			566		128		1601				112		
Nitrate (NO_3)	mg/Kg	2.2	na													
Sulfate (SO_4)	mg/Kg	15.0	178					96						0		
Bicarbonate (HCO_3)	mg/Kg	3500	1425					637						952		
Carbonate (CO_3)	mg/Kg	80.0	211					0						64		
T-Alkalinity (mg$CaCO_3$/Kg)	mg/Kg	na	1520					522						888		
Conductivity	mmhos/cm	na	121					872						1035		
pH	SU	na	8.38					8.28						8.34		
Arsenic (As)	ppm	<5.0	1.900					1.150						2.210		
Silver (Ag)	ppm	<5.0	4.600					1.150						1.450		
Barim (Ba)	ppm	45.0	<5					20.900						1.000		
Cadmium (Cd)	ppm	<2.0	9.700					5.050						1.000		
Chromium (Cr)	ppm	6.1	0.700					8.450						1.000		
Lead (Pb)	ppm	<5.0	55.600					1.500						3.000		
Mercury (Hg)	ppm	<.025	0.009					0.046						0.200		
Selenium (Se)	ppm	<5.0	2.650					0.510						0.397		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 2

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/17/2000 S00217G1C2TZ1A Annual/TZ	5/22/2000 S00522G1C2TZ1B Quarterly/TZ	8/28/2000 S00828G1C2TZ3Q Quarterly/TZ	8/28/2000 S00828G1C2LZ Lift Zone Check	11/20/2000 S001120G1C24QTZ Quarterly/TZ	2/19/2001 S21901G1C2TZA Annual/TZ	5/17/2001 S51701G1C2TZ Quarterly/TZ	8/29/2001 TLF82901C3 Quarterly/TZ	11/26/2001 TLF112701TZC2 Quarterly/TZ	11/26/2001 TLF112701LZC2 Lift Zone Check	2/28/2002 STLF22802G1C2TZ Annual/TZ	6/5/2002 CTLF6502TZC2 Quarterly/TZ	6/5/2002 CTLF6502TZC2 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5	50	50	50	50	50	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	50	154	970	50	50	118	518	74.6	319	20	84.7	117
TPH (DRO+GRO)	mg/Kg	5	100	100	204	1020	100	100	168	568	124.6	369	40	94.7	127
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.013	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.015	0.015	0.015	0.015	0.150	0.015	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.030	0.030	0.165	0.030	0.030	0.030	0.030	0.039	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0	7					42					0		
Magnesium (Mg)	mg/Kg	49.0	23					46					74		
Calcium (Ca)	mg/Kg	800.0	45					247					96		
Sodium (Na)	mg/Kg	5.1	99					338					220		
Fluoride (F)	mg/Kg	1.7	na												
Chloride (Cl)	mg/Kg	10.0	112			110							32		
Nitrate (NO_3)	mg/Kg	2.2	na												
Sulfate (SO_4)	mg/Kg	15.0	79					464					0		
Bicarbonate (HCO_3)	mg/Kg	3500	39					523					1105		
Carbonate (CO_3)	mg/Kg	80.0	96					0					43		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	192					429					977		
Conductivity	mmhos/cm	na	108					2332					879		
pH	SU	na	8.49					7.63					8.57		
Arsenic (As)	mg/Kg	<5.0	1.200					0.637					2.440		
Silver (Ag)	mg/Kg	<5.0	3.550					1.150					1.450		
Barim (Ba)	mg/Kg	45.0	<5					51.000					1.000		
Cadmium (Cd)	mg/Kg	<2.0	9.000					3.900					1.000		
Chromium (Cr)	mg/Kg	6.1	0.150					3.700					1.000		
Lead (Pb)	mg/Kg	<5.0	44.400					0.700					13.200		
Mercury (Hg)	mg/Kg	<.025	0.005					0.017					0.200		
Selenium (Se)	mg/Kg	<5.0	0.300					0.117					0.664		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 3

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	5/22/2000 S00522G1C3TZ1B Quarterly/TZ	8/28/2000 S00828G1C3TZ3Q Quarterly/TZ	11/20/2000 S001120G1C34QTZ Quarterly/TZ	2/19/2001 S21901G1C3TZA Annual/TZ	5/17/2001 S51701G1C3TZ Quarterly/TZ	8/30/2001 TLF83001C3 Quarterly/TZ	11/26/2001 TLF112701TZC3 Quarterly/TZ	11/26/2001 TLF112701LZC3 Lift Zone Check	2/28/2002 STLF22802G1C3TZ Annual/TZ	6/5/2002 CTLF6502TZC3 Quarterly/TZ	6/5/2002 CTLF6502TZC3 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	62.5	50	180	2530	422	133	643	35	38.5	208
TPH (DRO+GRO)	mg/Kg	5	100	112.5	100	230	2580	472	183	693	55	48.5	218
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.150	0.150	0.150	0.015	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.165	0.165	0.165	0.030	0.030	0.030	0.030	0.035	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0				56					0		
Magnesium (Mg)	mg/Kg	49.0				37					43		
Calcium (Ca)	mg/Kg	800.0				213					109		
Sodium (Na)	mg/Kg	5.1				520					161		
Fluoride (F)	mg/Kg	1.7											
Chloride (Cl)	mg/Kg	10.0				157					64		
Nitrate (NO_3)	mg/Kg	2.2											
Sulfate (SO_4)	mg/Kg	15.0				564					66		
Bicarbonate (HCO_3)	mg/Kg	3500				273					693		
Carbonate (CO_3)	mg/Kg	80.0				0					43		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na				224					639		
Conductivity	mmhos/cm	na				2696					1014		
pH	SU	na				7.53					8.46		
Arsenic (As)	mg/Kg	<5.0				4.100					4.220		
Silver (Ag)	mg/Kg	<5.0				2.250					2.750		
Barim (Ba)	mg/Kg	45.0				72.300					1.000		
Cadmium (Cd)	mg/Kg	<2.0				2.700					1.000		
Chromium (Cr)	mg/Kg	6.1				11.300					1.000		
Lead (Pb)	mg/Kg	<5.0				10.000					10.000		
Mercury (Hg)	mg/Kg	<.025				0.020					0.200		
Selenium (Se)	mg/Kg	<5.0				0.141					0.477		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 4

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	8/28/2000 S00828G1C4TZ3Q Quarterly/TZ	11/20/2000 S001120G1C44QTZ Quarterly/TZ	2/19/2001 S21901G1C4TZA Annual/TZ	5/17/2001 S51701G1C4TZ Quarterly/TZ	8/30/2001 TLF83001C4 Quarterly/TZ	11/26/2001 TLF112701TZC4 Quarterly/TZ	11/26/2001 TLF112701LZC4 Lift Zone Check	2/28/2002 STLF22802G1C5TZ Annual/TZ	6/5/2002 CTLF6502TZC4 Quarterly/TZ	6/5/2002 CTLF6502TZC4 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	50	50	62.4	88.1	50	123	20	10	12.3
TPH (DRO+GRO)	mg/Kg	5	100	100	100	112.4	138.1	100	173	40	20	22.3
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.005	0.150	0.015	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.020	0.165	0.030	0.030	0.030	0.030	0.031	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0			31					0		
Magnesium (Mg)	mg/Kg	49.0			29					58		
Calcium (Ca)	mg/Kg	800.0			117					103		
Sodium (Na)	mg/Kg	5.1			333					77		
Fluoride (F)	mg/Kg	1.7										
Chloride (Cl)	mg/Kg	10.0			157					48		
Nitrate (NO_3)	mg/Kg	2.2										
Sulfate (SO_4)	mg/Kg	15.0			200					112		
Bicarbonate (HCO_3)	mg/Kg	3500			364					542		
Carbonate (CO_3)	mg/Kg	80.0			0					21		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na			298					462		
Conductivity	mmhos/cm	na			1184					950		
pH	SU	na			7.63					8.44		
Arsenic (As)	mg/Kg	<5.0			0.547					3.350		
Silver (Ag)	mg/Kg	<5.0			1.200					3.150		
Barim (Ba)	mg/Kg	45.0			93.700					1.000		
Cadmium (Cd)	mg/Kg	<2.0			1.250					1.000		
Chromium (Cr)	mg/Kg	6.1			10.960					1.000		
Lead (Pb)	mg/Kg	<5.0			0.900					11.300		
Mercury (Hg)	mg/Kg	<.025			0.020					0.200		
Selenium (Se)	mg/Kg	<5.0			0.010					0.989		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 5

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/17/2000 S00217G1C5TZ1A Annual/TZ	5/22/2000 S00522G1C5TZ1B Quarterly/TZ	8/28/2000 S00828G1C5TZ3Q Quarterly/TZ	11/20/2000 S001120G1C54QTZ Quarterly/TZ	2/19/2001 S21901G1C5TZA Annual/TZ	5/17/2001 S51701G1C5TZ Quarterly/TZ	5/17/2001 S51701G1C5LZ Lift Zone Check	8/30/2001 TLF83001C5 Quarterly/TZ	11/26/2001 TLF112701TZC5 Quarterly/TZ	11/26/2001 TLF112701LZC5 Lift Zone Check	2/28/2002 STLF22802G1C5TZ Annual/TZ	6/5/2002 CTLF6502TZC5 Quarterly/TZ	6/5/2002 CTLF6502TZC5 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	50	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	50	50	50	626	50	50	1210	53.1	572	20	125	120
TPH (DRO+GRO)	mg/Kg	5	100	100	100	100	676	100	100	1260	103.1	622	40	135	130
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.008	0.005	0.005	0.005	0.005	0.008	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.015	0.015	0.015	0.150	0.018	0.015	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.030	0.165	0.037	0.030	0.030	0.030	0.030	0.033	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0	16				24						0		
Magnesium (Mg)	mg/Kg	49.0	54				67						23		
Calcium (Ca)	mg/Kg	800.0	77				439						180		
Sodium (Na)	mg/Kg	5.1	662				753						41		
Fluoride (F)	mg/Kg	1.7	na												
Chloride (Cl)	mg/Kg	10.0	80				1430		1274				128		
Nitrate (NO_3)	mg/Kg	2.2	na												
Sulfate (SO_4)	mg/Kg	15.0	155				372						43		
Bicarbonate (HCO_3)	mg/Kg	3500	1640				182						498		
Carbonate (CO_3)	mg/Kg	80.0	154				0						0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	1600				149						408		
Conductivity	mmhos/cm	na	129				5992						1066		
pH	SU	na	8.32				7.42						8.24		
Arsenic (As)	mg/Kg	<5.0	1.650				2.440						2.240		
Silver (Ag)	mg/Kg	<5.0	4.850				1.750						2.800		
Barim (Ba)	mg/Kg	45.0	<5				48.200						1.000		
Cadmium (Cd)	mg/Kg	<2.0	10.400				1.000						1.000		
Chromium (Cr)	mg/Kg	6.1	0.300				8.300						1.000		
Lead (Pb)	mg/Kg	<5.0	57.300				5.500						7.100		
Mercury (Hg)	mg/Kg	<.025	0.003				0.042						0.200		
Selenium (Se)	mg/Kg	<5.0	2.600				0.010						1.000		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 6

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	5/22/2000 S00522G1C6TZ1B Quarterly/TZ	8/28/2000 S00828G1C6TZ3Q Quarterly/TZ	8/28/2000 S00828G1C6LZ Lift Zone Check	11/20/2000 S001120G1C64QTZ Quarterly/TZ	2/19/2001 S21901G1C6TZA Annual/TZ	5/17/2001 S51701G1C6TZ Quarterly/TZ	8/30/2001 TLF83001C6 Quarterly/TZ	11/26/2001 TLF112701TZC6 Quarterly/TZ	11/26/2001 TLF112701LZC6 Lift Zone Check	2/28/2002 STLF22802G1C6TZ Annual/TZ	6/5/2002 CTLF6502TZC6 Quarterly/TZ	6/5/2002 CTLF6502TZ Lift Zone Che
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	117	50	50	50	50	20	**10**	**10**
TPH (DRO)[2]	mg/Kg	na	50	136	3620	50	4220	57.2	822	369	2330	20	390	260
TPH (DRO+GRO)	mg/Kg	5	100	186	3670	100	4337	107.2	872	419	2380	40	400	270
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.009	0.005	0.005	0.005	0.007	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.054	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.015	0.015	0.016	0.150	0.571	0.015	0.015	0.015	0.015	0.030	**0.015**	**0.015**
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.031	0.165	0.639	0.030	0.030	0.030	0.032	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0					33					0		
Magnesium (Mg)	mg/Kg	49.0					46					47		
Calcium (Ca)	mg/Kg	800.0					206					115		
Sodium (Na)	mg/Kg	5.1					841					280		
Fluoride (F)	mg/Kg	1.7												
Chloride (Cl)	mg/Kg	10.0			566		1178					64		
Nitrate (NO_3)	mg/Kg	2.2												
Sulfate (SO_4)	mg/Kg	15.0					300					108		
Bicarbonate (HCO_3)	mg/Kg	3500					341					1040		
Carbonate (CO_3)	mg/Kg	80.0					0					21		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na					280					888		
Conductivity	mmhos/cm	na					4488					1597		
pH	SU	na					7.5					8.5		
Arsenic (As)	mg/Kg	<5.0					2.470					1.350		
Silver (Ag)	mg/Kg	<5.0					2.250					3.100		
Barim (Ba)	mg/Kg	45.0					76.600					1.000		
Cadmium (Cd)	mg/Kg	<2.0					1.000					1.000		
Chromium (Cr)	mg/Kg	6.1					2.450					1.000		
Lead (Pb)	mg/Kg	<5.0					8.850					7.750		
Mercury (Hg)	mg/Kg	<.025					0.020					0.200		
Selenium (Se)	mg/Kg	<5.0					0.118					1.160		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 7

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	8/28/2000 S00828G1C7TZ3Q Quarterly/TZ	11/20/2000 S001120G1C74QTZ Quarterly/TZ	2/19/2001 S21901G1C7TZA Annual/TZ	5/17/2001 S51701G1C7TZ Quarterly/TZ	8/30/2001 TLF83001C7 Quarterly/TZ	11/26/2001 TLF112701TZC7 Quarterly/TZ	11/26/2001 TLF112701LZC7 Lift Zone Check	2/28/2002 STLF22802G1C7TZ Annual/TZ	6/5/2002 CTLF6502TZC7 Quarterly/TZ	6/5/2002 CTLF6502TZC7 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	50	420	50	344	60.6	363	20	17.1	56.9
TPH (DRO+GRO)	mg/Kg	5	100	100	470	100	394	110.6	413	40	27.1	66.9
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.015	0.150	0.015	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.030	0.165	0.030	0.030	0.030	0.030	0.032	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0			44					0		
Magnesium (Mg)	mg/Kg	49.0			87					54		
Calcium (Ca)	mg/Kg	800.0			364					154		
Sodium (Na)	mg/Kg	5.1			975					277		
Fluoride (F)	mg/Kg	1.7										
Chloride (Cl)	mg/Kg	10.0			2082					64		
Nitrate (NO_3)	mg/Kg	2.2										
Sulfate (SO_4)	mg/Kg	15.0			60					0		
Bicarbonate (HCO_3)	mg/Kg	3500			205					1235		
Carbonate (CO_3)	mg/Kg	80.0			0					64		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na			168					1066		
Conductivity	mmhos/cm	na			7980					815		
pH	SU	na			7.45					8.56		
Arsenic (As)	mg/Kg	<5.0			0.577					1.950		
Silver (Ag)	mg/Kg	<5.0			1.460					3.050		
Barim (Ba)	mg/Kg	45.0			138.000					1.000		
Cadmium (Cd)	mg/Kg	<2.0			1.000					1.000		
Chromium (Cr)	mg/Kg	6.1			3.800					1.000		
Lead (Pb)	mg/Kg	<5.0			1.300					7.200		
Mercury (Hg)	mg/Kg	<.025			0.029					0.200		
Selenium (Se)	mg/Kg	<5.0			0.010					1.160		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 1 Cell 8

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	11/20/2000 S001120G1C84QTZ Quarterly/TZ	2/19/2001 S21901G1C8TZA Annual/TZ	5/17/2001 S51701G1C8TZ Quarterly/TZ	8/30/2001 TLF83001C8 Quarterly/TZ	11/26/2001 TLF112701TZC8 Quarterly/TZ	2/28/2002 STLF22802G1C8TZ Annual/TZ	6/5/2002 CTLF6502TZC8 Quarterly/TZ	6/5/2002 CTLF6502TZC Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0[3]	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	468	50	420	50	20	22.4	55.2
TPH (DRO+GRO)	mg/Kg	5	100	518	100	470	100	40	32.4	65.2
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.150	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.165	0.030	0.030	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0		21				0		
Magnesium (Mg)	mg/Kg	49.0		25				66		
Calcium (Ca)	mg/Kg	800.0		144				55		
Sodium (Na)	mg/Kg	5.1		373				36		
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0		196				96		
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0		96				190		
Bicarbonate (HCO_3)	mg/Kg	3500		409				477		
Carbonate (CO_3)	mg/Kg	80.0		0				0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na		336				341		
Conductivity	mmhos/cm	na		2544				1939		
pH	SU	na		7.85				8.29		
Arsenic (As)	mg/Kg	<5.0		1.120				2.350		
Silver (Ag)	mg/Kg	<5.0		1.460				2.700		
Barim (Ba)	mg/Kg	45.0		150.000				1.000		
Cadmium (Cd)	mg/Kg	<2.0		1.000				1.000		
Chromium (Cr)	mg/Kg	6.1		5.450				1.000		
Lead (Pb)	mg/Kg	<5.0		1.650				3.600		
Mercury (Hg)	mg/Kg	<.025		0.020				0.200		
Selenium (Se)	mg/Kg	<5.0		0.010				1.340		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 9

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	11/20/2000 S001120G2C94QTZ Quarterly/TZ	2/19/2001 S21901G1C9TZA Annual/TZ	5/17/2001 S51701G1C9TZ Quarterly/TZ	8/30/2001 TLF83001C9 Quarterly/TZ	11/26/2001 TLF112701TZC9 Quarterly/TZ	2/28/2002 STLF22802G1C9TZ Annual/TZ	6/5/2002 CTLF6502TZC9 Quarterly/TZ	6/5/2002 CTLF6502TZ(Lift Zone Che
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	73.8	50	266	72.7	20	67.8	35.8
TPH (DRO+GRO)	mg/Kg	5	100	123.8	100	316	122.7	40	77.8	45.8
Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	0.005	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	0.05	0.150	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.165	0.030	0.030	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0		14				0		
Magnesium (Mg)	mg/Kg	49.0		8				31		
Calcium (Ca)	mg/Kg	800.0		75				83		
Sodium (Na)	mg/Kg	5.1		326				106		
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0		157				64		
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0		28				98		
Bicarbonate (HCO_3)	mg/Kg	3500		841				455		
Carbonate (CO_3)	mg/Kg	80.0		0				0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na		690				373		
Conductivity	mmhos/cm	na		736				736		
pH	SU	na		8.12				8.08		
Arsenic (As)	mg/Kg	<5.0		1.180				3.330		
Silver (Ag)	mg/Kg	<5.0		1.500				11.200		
Barim (Ba)	mg/Kg	45.0		155.000				1.000		
Cadmium (Cd)	mg/Kg	<2.0		1.000				1.000		
Chromium (Cr)	mg/Kg	6.1		5.450				1.000		
Lead (Pb)	mg/Kg	<5.0		3.200				5.050		
Mercury (Hg)	mg/Kg	<.025		0.020				0.200		
Selenium (Se)	mg/Kg	<5.0		0.420				1.250		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 10

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/19/2001 S21901G1C10TZA Annual/TZ	5/17/2001 S51701G1C10TZ Quarterly/TZ	8/30/2001 TLF83001C10 Quarterly/TZ	11/26/2001 TLF112701TZC10 Quarterly/TZ	2/28/2002 STLF22802G1C10TZ Annual/TZ	6/5/2002 CTLF6502TZC10 Quarterly/TZ	6/5/2002 CTLF6502TZC10 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	71.4	254	64.4	20	54.9	563
TPH (DRO+GRO)	mg/Kg	<5.00	100	121.4	304	114.4	40	64.9	573
Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	<0.05	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	<0.05	0.015	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	<0.05	0.030	0.030	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0	5.1				0		
Magnesium (Mg)	mg/Kg	49.0	8				47		
Calcium (Ca)	mg/Kg	800.0	75				186		
Sodium (Na)	mg/Kg	5.1	315				12		
Fluoride (F)	mg/Kg	1.7							
Chloride (Cl)	mg/Kg	10.0	118				176		
Nitrate (NO_3)	mg/Kg	2.2							
Sulfate (SO_4)	mg/Kg	15.0	24				165		
Bicarbonate (HCO_3)	mg/Kg	3500	455				260		
Carbonate (CO_3)	mg/Kg	80.0	0				0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	373				213		
Conductivity	mmhos/cm	na	536				1502		
pH	SU	na	8.08				7.97		
Arsenic (As)	mg/Kg	<5.0	1.250				2.040		
Silver (Ag)	mg/Kg	<5.0	1.550				7.950		
Barim (Ba)	mg/Kg	45.0	170.000				1.000		
Cadmium (Cd)	mg/Kg	<2.0	1.000				1.000		
Chromium (Cr)	mg/Kg	6.1	0.500				1.000		
Lead (Pb)	mg/Kg	<5.0	0.700				3.600		
Mercury (Hg)	mg/Kg	<.025	0.020				0.200		
Selenium (Se)	mg/Kg	<5.0	0.010				1.440		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 11

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	5/17/2001 S51701G1C11TZ Quarterly/TZ	8/30/2001 TLF83001C11 Quarterly/TZ	11/26/2001 TLF112701TZC11 Quarterly/TZ	2/28/2002 STLF22802G1C11TZ Annual/TZ	6/5/2002 CTLF6502TZC11 Quarterly/TZ	6/5/2002 CTLF6502TZC11 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	153	351	50	20	102	394
TPH (DRO+GRO)	mg/Kg	<5.00	203	401	100	40	112	404
Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	<0.05	0.005	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	<0.05	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	<0.05	0.030	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0				0		
Magnesium (Mg)	mg/Kg	49.0				27		
Calcium (Ca)	mg/Kg	800.0				83		
Sodium (Na)	mg/Kg	5.1				152		
Fluoride (F)	mg/Kg	1.7						
Chloride (Cl)	mg/Kg	10.0				80		
Nitrate (NO_3)	mg/Kg	2.2						
Sulfate (SO_4)	mg/Kg	15.0				277		
Bicarbonate (HCO_3)	mg/Kg	3500				303		
Carbonate (CO_3)	mg/Kg	80.0				0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na				249		
Conductivity	mmhos/cm	na				1098		
pH	SU	na				8.21		
Arsenic (As)	mg/Kg	<5.0				1.500		
Silver (Ag)	mg/Kg	<5.0				6.850		
Barim (Ba)	mg/Kg	45.0				1.000		
Cadmium (Cd)	mg/Kg	<2.0				1.000		
Chromium (Cr)	mg/Kg	6.1				1.000		
Lead (Pb)	mg/Kg	<5.0				7.150		
Mercury (Hg)	mg/Kg	<.025				0.200		
Selenium (Se)	mg/Kg	<5.0				1.340		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 12

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	5/17/2001 S51701G1C12TZ Quarterly/TZ	8/30/2001 TLF83001C12 Quarterly/TZ	11/26/2001 TLF112701TZC12 Quarterly/TZ	2/28/2002 STLF22802G1C12TZ Annual/TZ	6/5/2002 CTLF6502TZC12 Quarterly/TZ	6/5/2002 CTLF6502TZC Lift Zone Chec
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	50	299	206	20	37.4	25.6
TPH (DRO+GRO)	mg/Kg	<5.00	100	349	256	40	47.4	35.6
Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	<0.05	0.005	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	<0.05	0.015	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	<0.05	0.030	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0				0		
Magnesium (Mg)	mg/Kg	49.0				54		
Calcium (Ca)	mg/Kg	800.0				96		
Sodium (Na)	mg/Kg	5.1				5		
Fluoride (F)	mg/Kg	1.7						
Chloride (Cl)	mg/Kg	10.0				96		
Nitrate (NO_3)	mg/Kg	2.2						
Sulfate (SO_4)	mg/Kg	15.0				95		
Bicarbonate (HCO_3)	mg/Kg	3500				303		
Carbonate (CO_3)	mg/Kg	80.0				0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na				249		
Conductivity	mmhos/cm	na				1939		
pH	SU	na				8.21		
Arsenic (As)	mg/Kg	<5.0				1.900		
Silver (Ag)	mg/Kg	<5.0				4.350		
Barim (Ba)	mg/Kg	45.0				1.000		
Cadmium (Cd)	mg/Kg	<2.0				1.000		
Chromium (Cr)	mg/Kg	6.1				1.000		
Lead (Pb)	mg/Kg	<5.0				4.350		
Mercury (Hg)	mg/Kg	<.025				0.200		
Selenium (Se)	mg/Kg	<5.0				1.530		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 13

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/19/2001 S21901G1C13TZA Annual/TZ	5/17/2001 S51701G1C13TZ Quarterly/TZ	8/30/2001 TLF83001C13 Quarterly/TZ	11/26/2001 TLF112701TZC13 Quarterly/TZ	2/28/2002 STLF22802G1C13TZ Annual/TZ	6/5/2002 CTLF6502TZC13 Quarterly/TZ	6/5/2002 CTLF6502TZC Lift Zone Chec
TPH (GRO)[1]	mg/Kg	5.0	50	50	50	50	20	**10**	**10**
TPH (DRO)[2]	mg/Kg	na	166	50	758	164	20	82.7	168
TPH (DRO+GRO)	mg/Kg	<5.00	216	100	808	214	40	92.7	178
Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	<0.05	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	<0.05	0.005	0.005	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	<0.05	0.015	0.015	0.015	0.015	0.030	**0.015**	**0.015**
BTEX[4]	mg/Kg	<0.05	0.030	0.030	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0	4.5				0		
Magnesium (Mg)	mg/Kg	49.0	17				51		
Calcium (Ca)	mg/Kg	800.0	69				71		
Sodium (Na)	mg/Kg	5.1	318				6		
Fluoride (F)	mg/Kg	1.7							
Chloride (Cl)	mg/Kg	10.0	79				64		
Nitrate (NO_3)	mg/Kg	2.2							
Sulfate (SO_4)	mg/Kg	15.0	28				0		
Bicarbonate (HCO_3)	mg/Kg	3500	478				260		
Carbonate (CO_3)	mg/Kg	80.0	0				43		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	391				284		
Conductivity	mmhos/cm	na	756				661		
pH	SU	na	7.99				8.29		
Arsenic (As)	mg/Kg	<5.0	1.480				2.670		
Silver (Ag)	mg/Kg	<5.0	3.950				4.100		
Barim (Ba)	mg/Kg	45.0	185.000				1.000		
Cadmium (Cd)	mg/Kg	<2.0	1.000				1.000		
Chromium (Cr)	mg/Kg	6.1	4.450				1.000		
Lead (Pb)	mg/Kg	<5.0	1.650				3.800		
Mercury (Hg)	mg/Kg	<.025	0.020				0.200		
Selenium (Se)	mg/Kg	<5.0	0.010				0.791		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 14

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	8/30/2001 TLF83001C14 Quarterly/TZ	11/26/2001 TLF112701TZC14 Quarterly/TZ	2/28/2002 STLF22802G1C14TZ Annual/TZ	6/5/2002 CTLF6502TZC14 Quarterly/TZ	6/5/2002 CTLF6502TZC14 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	180	70.4	20	10	214
TPH (DRO+GRO)	mg/Kg	<5.00	230	120.4	40	20	224
Benzene	mg/Kg	<0.05	*0.005*	*0.005*	0.010	*0.005*	*0.005*
Toluene	mg/Kg	<0.05	*0.005*	*0.005*	0.010	*0.005*	*0.005*
Ethyl Benzene	mg/Kg	<0.05	*0.005*	*0.005*	0.010	*0.005*	*0.005*
Total Xylene	mg/Kg	<0.05	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	<0.05	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0			0		
Magnesium (Mg)	mg/Kg	49.0			23		
Calcium (Ca)	mg/Kg	800.0			90		
Sodium (Na)	mg/Kg	5.1			79		
Fluoride (F)	mg/Kg	1.7					
Chloride (Cl)	mg/Kg	10.0			48		
Nitrate (NO_3)	mg/Kg	2.2					
Sulfate (SO_4)	mg/Kg	15.0			83		
Bicarbonate (HCO_3)	mg/Kg	3500			412		
Carbonate (CO_3)	mg/Kg	80.0			0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na			337		
Conductivity	mmhos/cm	na			698		
pH	SU	na			8.22		
Arsenic (As)	mg/Kg	<5.0			2.68		
Silver (Ag)	mg/Kg	<5.0			3.5		
Barim (Ba)	mg/Kg	45.0			1		
Cadmium (Cd)	mg/Kg	<2.0			1		
Chromium (Cr)	mg/Kg	6.1			1		
Lead (Pb)	mg/Kg	<5.0			1.8		
Mercury (Hg)	mg/Kg	<.025			0.2		
Selenium (Se)	mg/Kg	<5.0			0.33		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 15

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	8/30/2001 TLF83001C15 Quarterly/TZ	11/26/2001 TLF112701TZC15 Quarterly/TZ	2/28/2002 STLF22802G1C15TZ Annual/TZ	6/5/2002 CTLF6502TZC15 Quarterly/TZ	6/5/2002 CTLF6502TZC1 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	440	192	20	31.1	798
TPH (DRO+GRO)	mg/Kg	<5.00	490	242	40	41.1	808
Benzene	mg/Kg	<0.05	0.005	0.005	0.010	0.005	0.005
Toluene	mg/Kg	<0.05	0.005	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	<0.05	0.005	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	<0.05	0.015	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	<0.05	0.030	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0			0		
Magnesium (Mg)	mg/Kg	49.0			43		
Calcium (Ca)	mg/Kg	800.0			103		
Sodium (Na)	mg/Kg	5.1			48		
Fluoride (F)	mg/Kg	1.7					
Chloride (Cl)	mg/Kg	10.0			64		
Nitrate (NO_3)	mg/Kg	2.2					
Sulfate (SO_4)	mg/Kg	15.0			123		
Bicarbonate (HCO_3)	mg/Kg	3500			390		
Carbonate (CO_3)	mg/Kg	80.0			0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na			320		
Conductivity	mmhos/cm	na			800		
pH	SU	na			8.2		
Arsenic (As)	mg/Kg	<5.0			3.39		
Silver (Ag)	mg/Kg	<5.0			3.1		
Barim (Ba)	mg/Kg	45.0			1		
Cadmium (Cd)	mg/Kg	<2.0			1		
Chromium (Cr)	mg/Kg	6.1			1		
Lead (Pb)	mg/Kg	<5.0			1		
Mercury (Hg)	mg/Kg	<.025			0.2		
Selenium (Se)	mg/Kg	<5.0			0.199		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

ChevronTexaco Landfarm: Gallery 2 Cell 16

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	11/26/2001 TLF112701TZC16 Quarterly/TZ	2/28/2002 STLF22802G1C15TZ Annual/TZ	6/5/2002 CTLF6502TZC15 Quarterly/TZ	6/5/2002 CTLF6502TZC15 Lift Zone Check
TPH (GRO)[1]	mg/Kg	5.0	50	20	10	10
TPH (DRO)[2]	mg/Kg	na	185	31.6	326	319
TPH (DRO+GRO)	mg/Kg	<5.00	235	51.6	336	329
Benzene	mg/Kg	<0.05	0.005	0.010	0.005	0.005
Toluene	mg/Kg	<0.05	0.005	0.010	0.005	0.005
Ethyl Benzene	mg/Kg	<0.05	0.005	0.010	0.005	0.005
Total Xylene	mg/Kg	<0.05	0.015	0.030	0.015	0.015
BTEX[4]	mg/Kg	<0.05	0.030	0.060	0.030	0.030
Potassium (K)	mg/Kg	39.0		0		
Magnesium (Mg)	mg/Kg	49.0		43		
Calcium (Ca)	mg/Kg	800.0		90		
Sodium (Na)	mg/Kg	5.1		247		
Fluoride (F)	mg/Kg	1.7				
Chloride (Cl)	mg/Kg	10.0		48		
Nitrate (NO_3)	mg/Kg	2.2				
Sulfate (SO_4)	mg/Kg	15.0		85		
Bicarbonate (HCO_3)	mg/Kg	3500		867		
Carbonate (CO_3)	mg/Kg	80.0		43		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na		781		
Conductivity	mmhos/cm	na		804		
pH	SU	na		8.34		
Arsenic (As)	mg/Kg	<5.0		2.47		
Silver (Ag)	mg/Kg	<5.0		3.65		
Barim (Ba)	mg/Kg	45.0		1		
Cadmium (Cd)	mg/Kg	<2.0		1		
Chromium (Cr)	mg/Kg	6.1		1		
Lead (Pb)	mg/Kg	<5.0		1.9		
Mercury (Hg)	mg/Kg	<.025		0		
Selenium (Se)	mg/Kg	<5.0		2.2		

[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[4]BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

CHEVRON TEXACO

TPH & BTEX SUMMARY FOR CHEVRONTEXACO LAND FARM

Cell Number	Sample Id	Date	GRO[1] mg/Kg	DRO[2] mg/Kg	TPH[3] mg/Kg	Benzene	Toluene	Ethyl Benzene	Total Xylene	BTEX
	Initial Background	1999	5	na	5.0	0.05	0.05	0.05	0.05	0.2
	S00217G1C1TZ1A	2/17/2000	*50*	154	204	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00522G1C1TZ1B	5/22/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00828G1C1TZ3Q	8/28/2000	*50*	156	206	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S001120G1C14QTZ	11/20/2000	*50*	117	167	*0.005*	*0.005*	*0.005*	0.150	0.165
1	S21901G1C1TZA	2/19/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C1TZ	5/17/2001	*50*	181	231	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF82901C1	8/29/2001	*50*	66.1	116.1	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC1	11/26/2001	*50*	1180	1230	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C1TZ	2/28/2002	*20*	107	127	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC1	6/5/2002	10	46.8	56.8	*0.005*	*0.005*	0.017	*0.030*	0.057
	Initial Background	1999	5.03	na	5	0.05	0.05	0.05	0.05	0.2
	S00217G1C2TZ1A	2/17/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00522G1C2TZ1B	5/22/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00828G1C2TZ3Q	8/28/2000	*50*	154	204	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S001120G1C24QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
2	S21901G1C2TZA	2/19/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C2TZ	5/17/2001	*50*	118	168	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF82901C3	8/29/2001	*50*	518	568	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC2	11/26/2001	*50*	74.6	124.6	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C2TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC2	6/5/2002	10	84.7	94.7	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*

[1]GRO-Gasoline Range Organics

[2]DRO-Diesel Range Organics

[3]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[4]N/A Not Analyzed

[5]Italicized values are < the instrument detection limit.

[6]Red Values Indicated Annual Samples

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

CHEVRON TEXACO

TPH & BTEX SUMMARY FOR CHEVRONTEXACO LAND FARM

Cell Number	Sample Id	Date	GRO[1] mg/Kg	DRO[2] mg/Kg	TPH[3] mg/Kg	Benzene	Toluene	Ethyl Benzene	Total Xylene	BTEX
3	Initial Background	1999	5.0	na	5	0.05	0.05	0.05	0.05	0.2
	S00522G1C3TZ1B	5/22/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S00828G1C3TZ3Q	8/28/2000	*50*	62.5	112.5	*0.005*	*0.005*	*0.005*	0.150	0.165
	S001120G1C34QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C3TZA	2/19/2001	*50*	180	230	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C3TZ	5/17/2001	*50*	2530	2580	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C3	8/30/2001	*50*	422	472	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC3	11/26/2001	*50*	133	183	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C3TZ	2/28/2002	*20*	35	55	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC3	6/5/2002	10	38.5	48.5	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
4	Initial Background	1999	5.0	na	5	0.05	0.05	0.05	0.05	0.2
	S00828G1C4TZ3Q	8/28/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.005	0.020
	S001120G1C44QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C4TZA	2/19/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C4TZ	5/17/2001	*50*	62.4	112.4	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C4	8/30/2001	*50*	88.1	138.1	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC4	11/26/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C5TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC4	6/5/2002	10	10	20	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
5	Initial Background	1999	5.0	na	5	0.05	0.05	0.05	0.05	0.2
	S00217G1C5TZ1A	2/17/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00522G1C5TZ1B	5/22/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00828G1C5TZ3Q	8/28/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S001120G1C54QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C5TZA	2/19/2001	*50*	626	676	*0.005*	0.008	0.006	0.018	0.037
	S51701G1C5TZ	5/17/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C5	8/30/2001	*50*	1210	1260	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC5	11/26/2001	*50*	53.1	103.1	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C5TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC5	6/5/2002	10	125	135	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*

1GRO-Gasoline Range Organics

[2]DRO-Diesel Range Organics

[3]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[4]N/A Not Analyzed

[5]Italicized values are < the instrument detection limit.

[6]Red Values Indicated Annual Samples

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

CHEVRON TEXACO

TPH & BTEX SUMMARY FOR CHEVRONTEXACO LAND FARM

Cell Number	Sample Id	Date	GRO[1] mg/Kg	DRO[2] mg/Kg	TPH[3] mg/Kg	Benzene	Toluene	Ethyl Benzene	Total Xylene	BTEX
6	Initial Background	1999	*5.0*	*na*	*5*	*0.05*	*0.05*	*0.05*	*0.05*	*0.2*
	S00522G1C6TZ1B	5/22/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S00828G1C6TZ3Q	8/28/2000	*50*	136	186	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S001120G1C64QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C6TZA	2/19/2001	117	4220	4337	*0.005*	0.009	0.054	0.571	0.639
	S51701G1C6TZ	5/17/2001	*50*	57.2	107.2	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C6	8/30/2001	*50*	822	872	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC6	11/26/2001	*50*	369	419	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C6TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC6	6/5/2002	10	390	400	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
7	Initial Background	1999	*5.0*	*na*	*5*	*0.05*	*0.05*	*0.05*	*0.05*	*0.2*
	S00828G1C7TZ3Q	8/28/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S001120G1C74QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C7TZA	2/19/2001	*50*	420	470	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C7TZ	5/17/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C6	8/30/2001	*50*	822	872	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C7	8/30/2001	*50*	344	394	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC7	11/26/2001	*50*	60.6	110.6	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C7TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC7	6/5/2002	10	17.1	27.1	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
8	Initial Background	1999	*5.0*	*na*	*5*	*0.05*	*0.05*	*0.05*	*0.05*	*0.2*
	S001120G1C84QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C8TZA	2/19/2001	*50*	468	518	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C8TZ	5/17/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C8	8/30/2001	*50*	420	470	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC8	11/26/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C8TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC8	6/5/2002	10	22.4	32.4	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*

1GRO-Gasoline Range Organics

[2]DRO-Diesel Range Organics

[3]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[4]N/A Not Analyzed

[5]Italicized values are < the instrument detection limit.

[6]Red Values Indicated Annual Samples

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

CHEVRON TEXACO

TPH & BTEX SUMMARY FOR CHEVRONTEXACO LAND FARM

Cell Number	Sample Id	Date	GRO[1] mg/Kg	DRO[2] mg/Kg	TPH[3] mg/Kg	Benzene	Toluene	Ethyl Benzene	Total Xylene	BTEX
9	Initial Background	1999	*5.0*	*na*	*5*	*0.05*	*0.05*	*0.05*	*0.05*	*0.2*
	S001120G2C94QTZ	11/20/2000	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	0.150	0.165
	S21901G1C9TZA	2/19/2001	*50*	73.8	123.8	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C9TZ	5/17/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C9	8/30/2001	*50*	266	316	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC7	11/26/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC9	11/26/2001	*50*	72.7	122.7	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C9TZ	2/28/2002	*20*	*20*	40	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC9	6/5/2002	10	67.8	77.8	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
10	Initial Background	1999	*5.0*	*na*	*<5.00*	*<0.05*	*<0.05*	*<0.05*	*<0.05*	*<0.05*
	S21901G1C10TZA	2/19/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C10TZ	5/17/2001	*50*	71.4	121.4	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C10	8/30/2001	*50*	254	304	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC10	11/26/2001	*50*	64.4	114.4	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C10TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC10	6/5/2002	10	54.9	64.9	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
11	Initial Background	1999	*5.0*	*na*	*<5.00*	*<0.05*	*<0.05*	*<0.05*	*<0.05*	*<0.05*
	S51701G1C11TZ	5/17/2001	*50*	153	203	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C11	8/30/2001	*50*	351	401	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC11	11/26/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C11TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC11	6/5/2002	10	102	112	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
12	Initial Background	1999	*5.0*	*na*	*<5.00*	*<0.05*	*<0.05*	*<0.05*	*<0.05*	*<0.05*
	S51701G1C12TZ	5/17/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C12	8/30/2001	*50*	299	349	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC12	11/26/2001	*50*	206	256	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C12TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC12	6/5/2002	10	37.4	47.4	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*

[1]GRO-Gasoline Range Organics

[2]DRO-Diesel Range Organics

[3]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[4]N/A Not Analyzed

[5]Italicized values are < the instrument detection limit.

[6]Red Values Indicated Annual Samples

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

Chevron Texaco

TPH & BTEX Summary for ChevronTexaco Land Farm

Cell Number	Sample Id	Date	GRO[1] mg/Kg	DRO[2] mg/Kg	TPH[3] mg/Kg	Benzene	Toluene	Ethyl Benzene	Total Xylene	BTEX
13	Initial Background	1999	*5.0*	na	*<5.00*	*<0.05*	*<0.05*	*<0.05*	*<0.05*	*<0.05*
	S21901G1C13TZA	2/19/2001	*50*	166	216	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	S51701G1C13TZ	5/17/2001	*50*	*50*	*100*	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF83001C13	8/30/2001	*50*	758	808	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC13	11/26/2001	*50*	164	214	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C13TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC13	6/5/2002	*10*	82.7	92.7	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
14	Initial	1999	*5.0*	na	*<5.00*	*<0.05*	*<0.05*	*<0.05*	*<0.05*	*<0.05*
	TLF83001C14	8/30/2001	*50*	180	230	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC14	11/26/2001	*50*	70.4	120.4	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C14TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC14	6/5/2002	*10*	*10*	20	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
15	Initial	1999	*5.0*	na	*<5.00*	*<0.05*	*<0.05*	*<0.05*	*<0.05*	*<0.05*
	TLF83001C15	8/30/2001	*50*	440	490	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	TLF112701TZC15	11/26/2001	*50*	192	242	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C15TZ	2/28/2002	*20*	*20*	*40*	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC15	6/5/2002	*10*	31.1	41.1	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
16	Initial	1999	*5.0*	na	<5.00	<0.05	<0.05	<0.05	<0.05	<0.05
	TLF112701TZC16	11/26/2001	*50*	185	235	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*
	STLF22802G1C15TZ	2/28/2002	*20*	31.6	51.6	*0.010*	*0.010*	*0.010*	*0.030*	0.060
	CTLF6502TZC15	6/5/2002	*10*	326	336	*0.005*	*0.005*	*0.005*	*0.015*	*0.030*

1GRO-Gasoline Range Organics

[2]DRO-Diesel Range Organics

[3]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

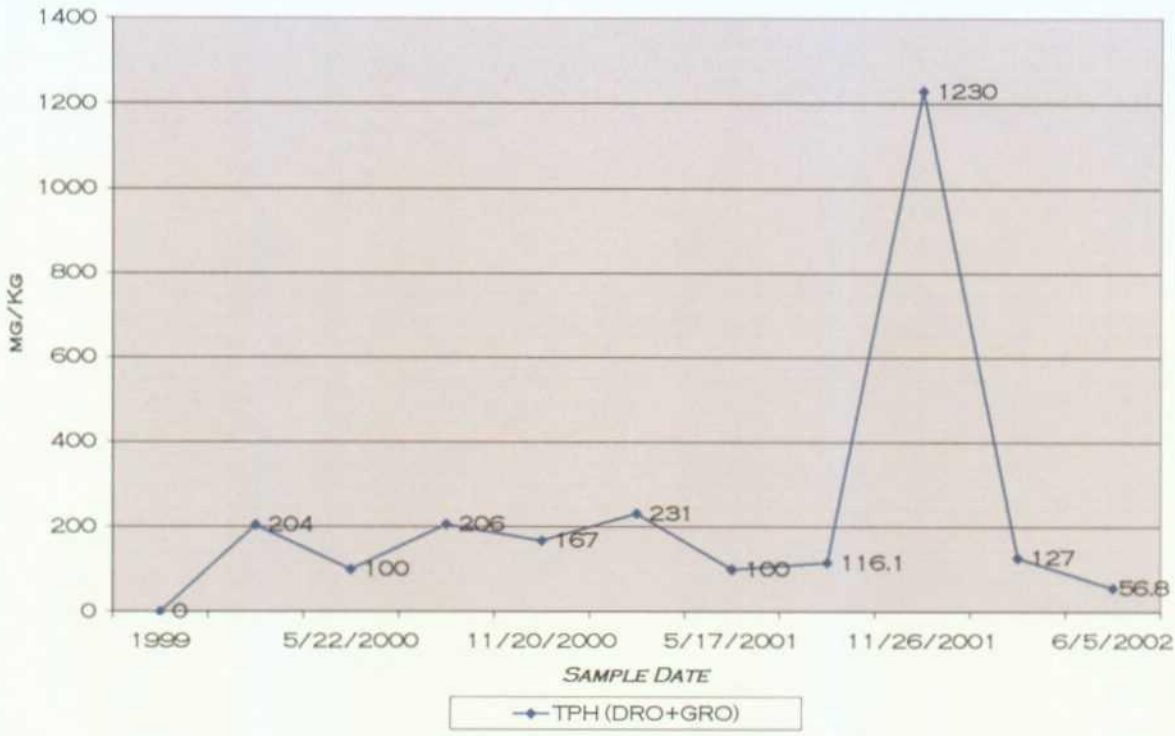
[4]N/A Not Analyzed

[5]Italicized values are < the instrument detection limit.

[6]Red Values Indicated Annual Samples

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

GALLERY 1 CELL 1



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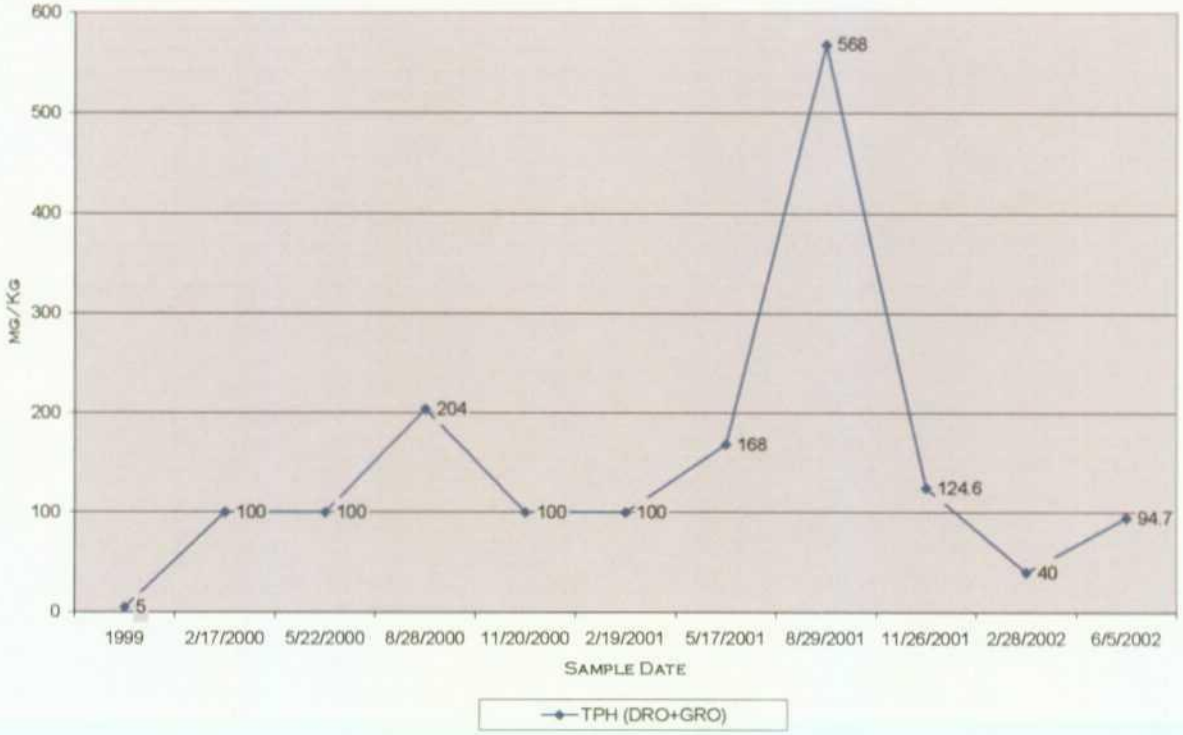

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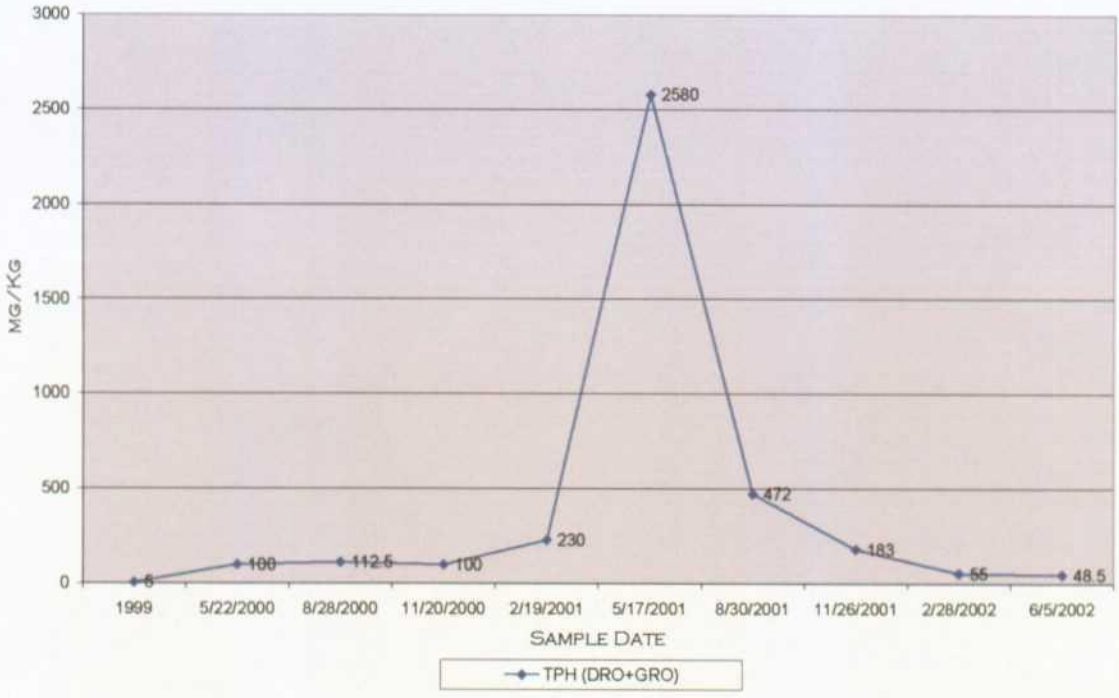

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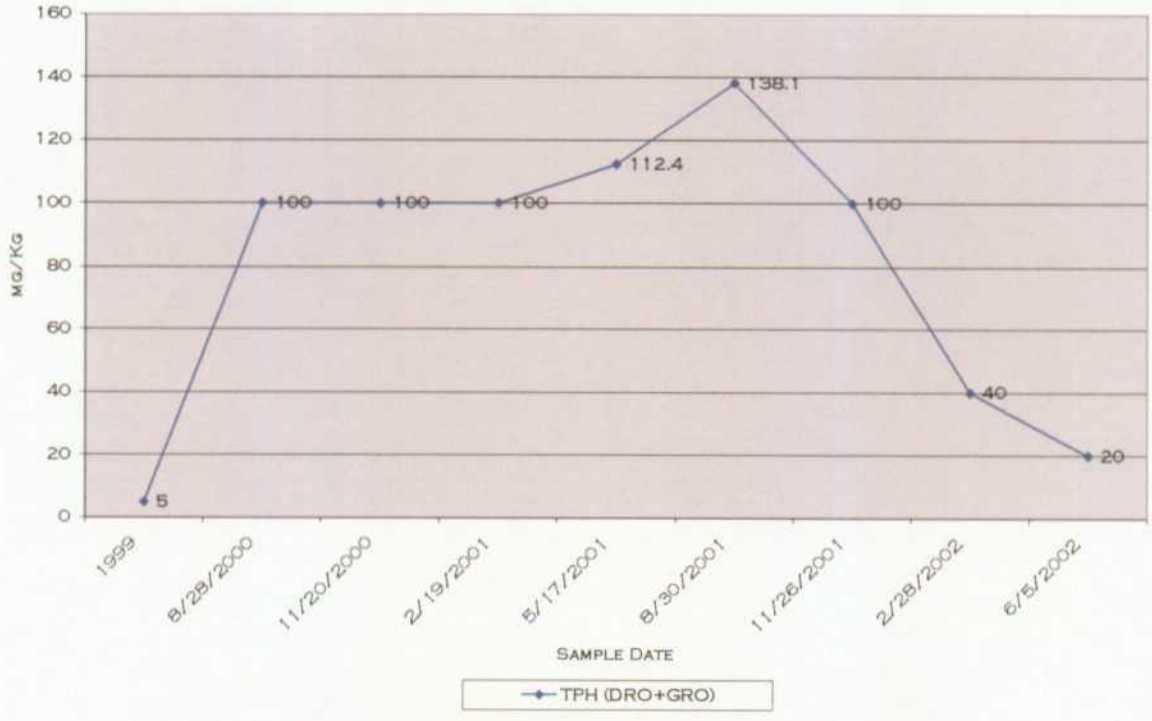

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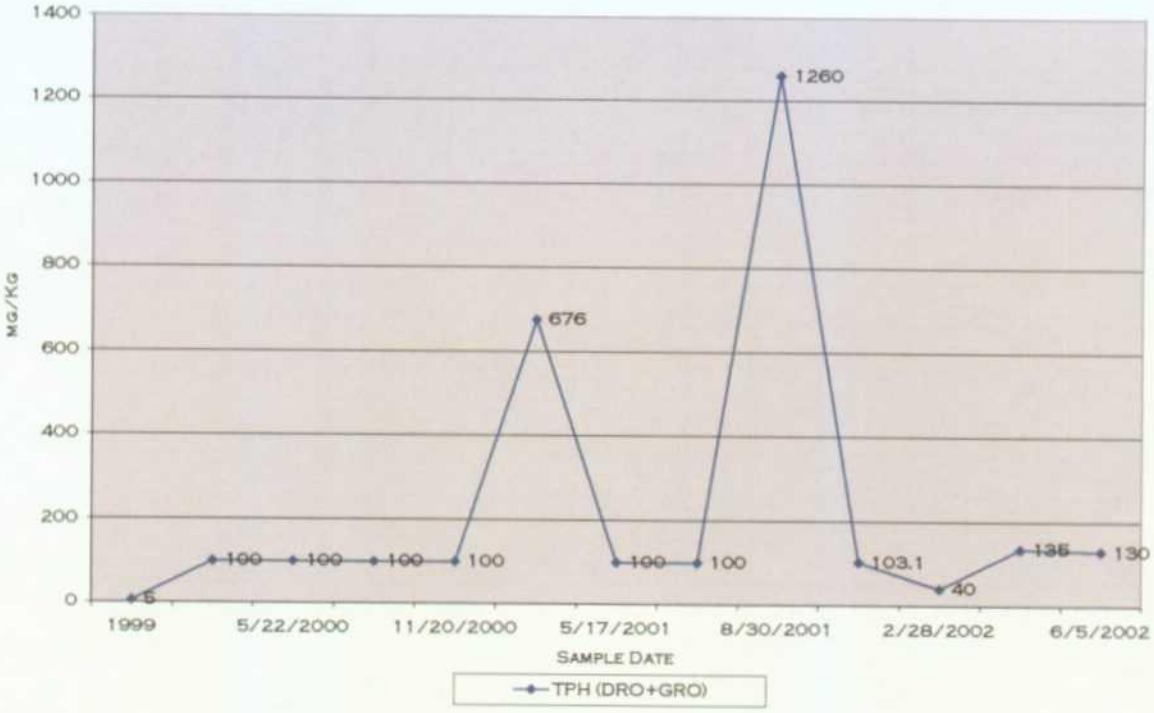

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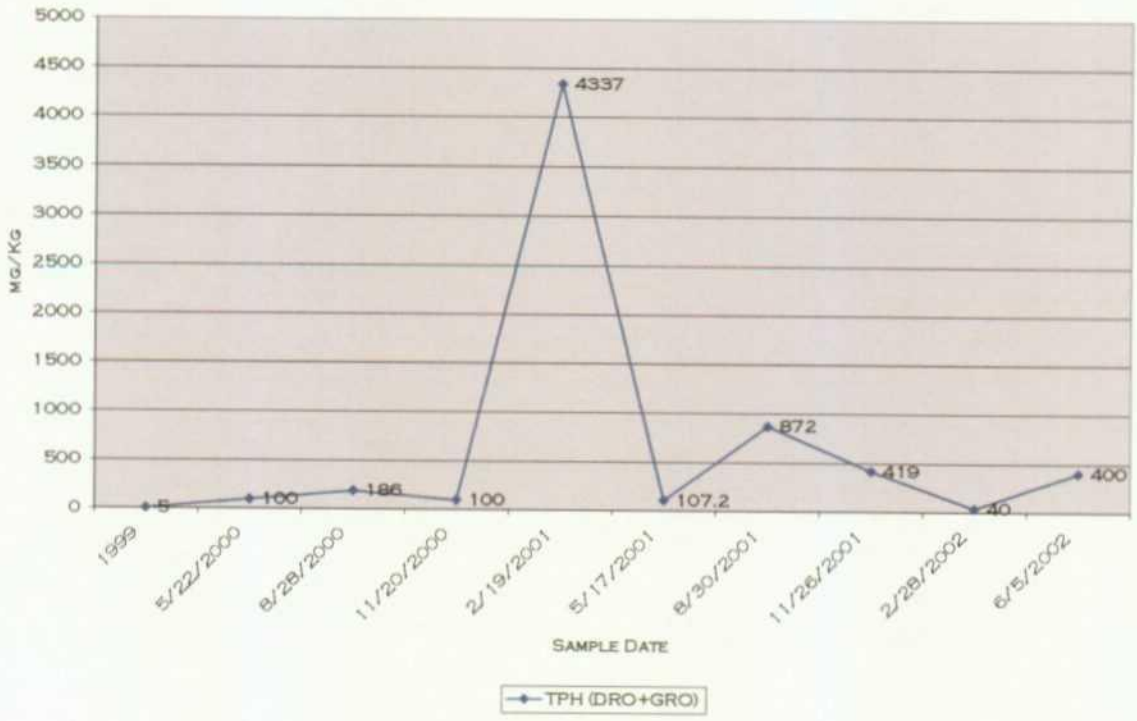

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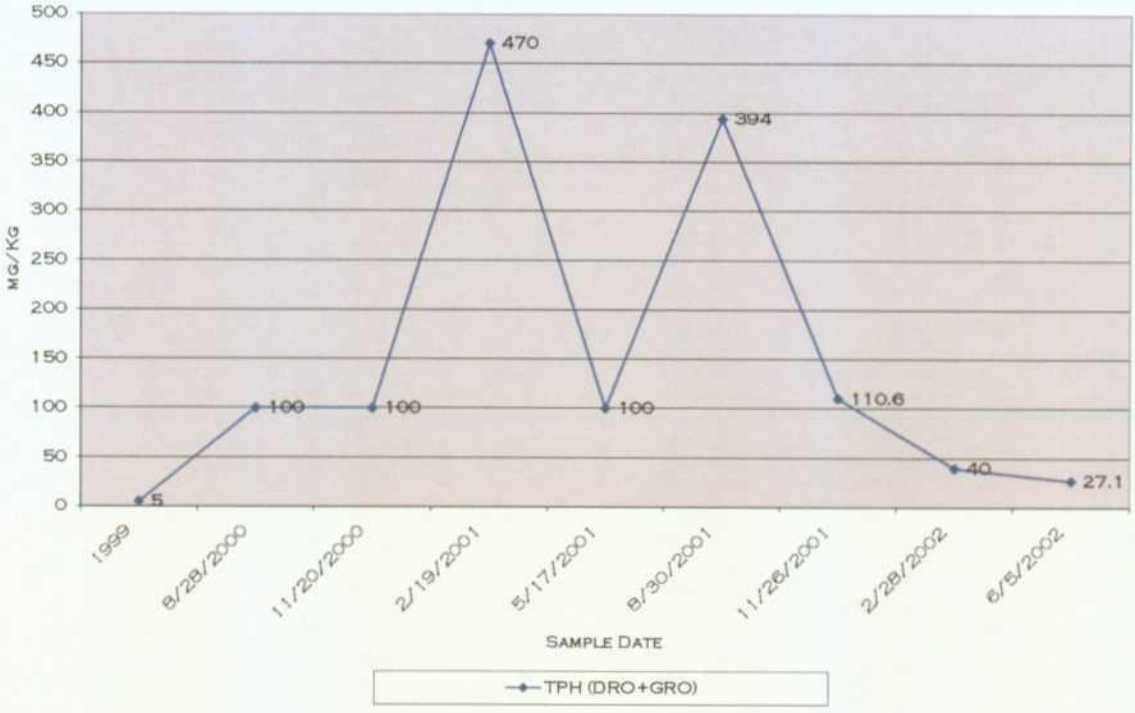

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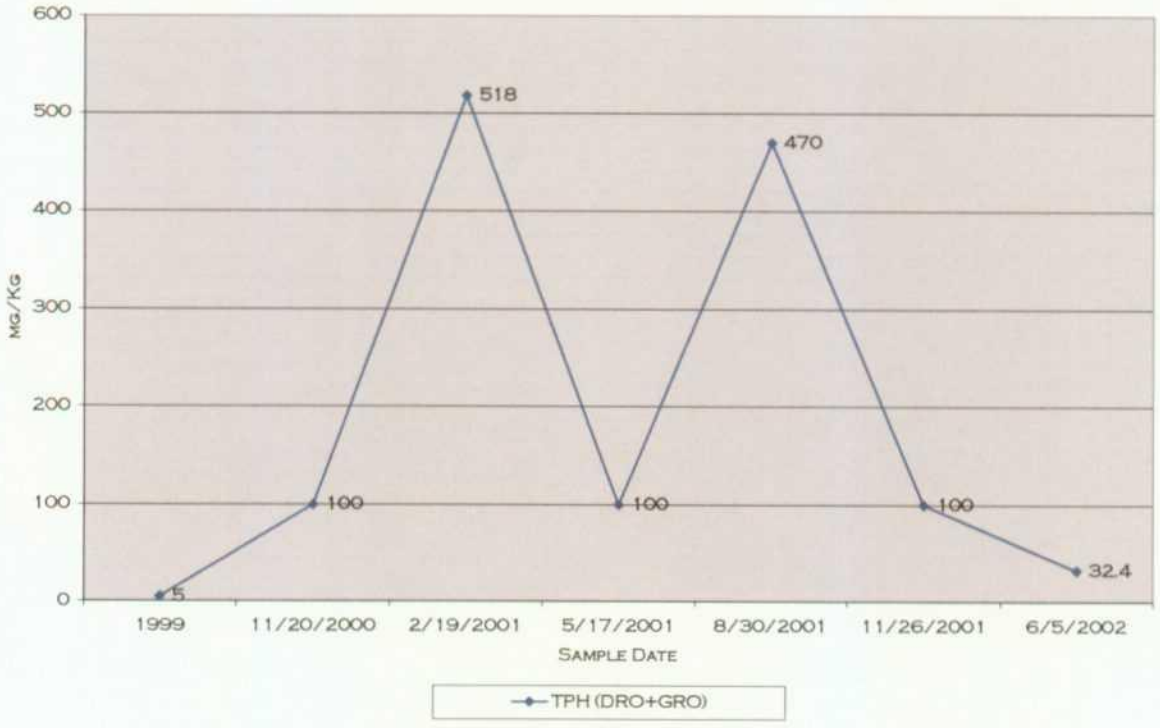

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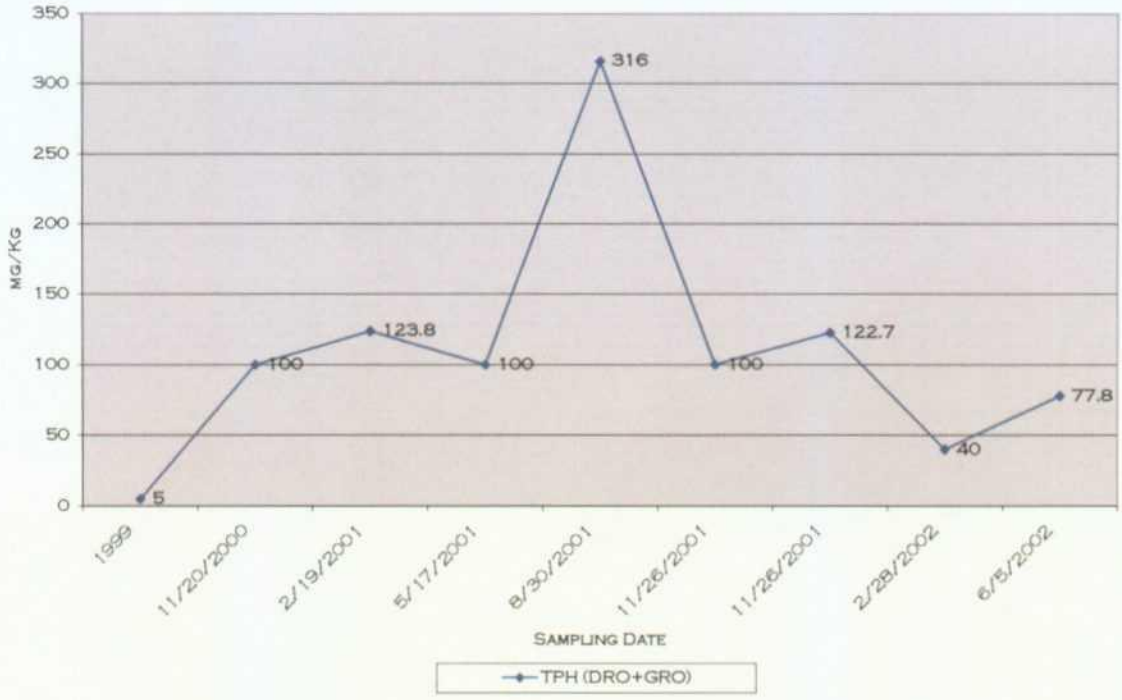

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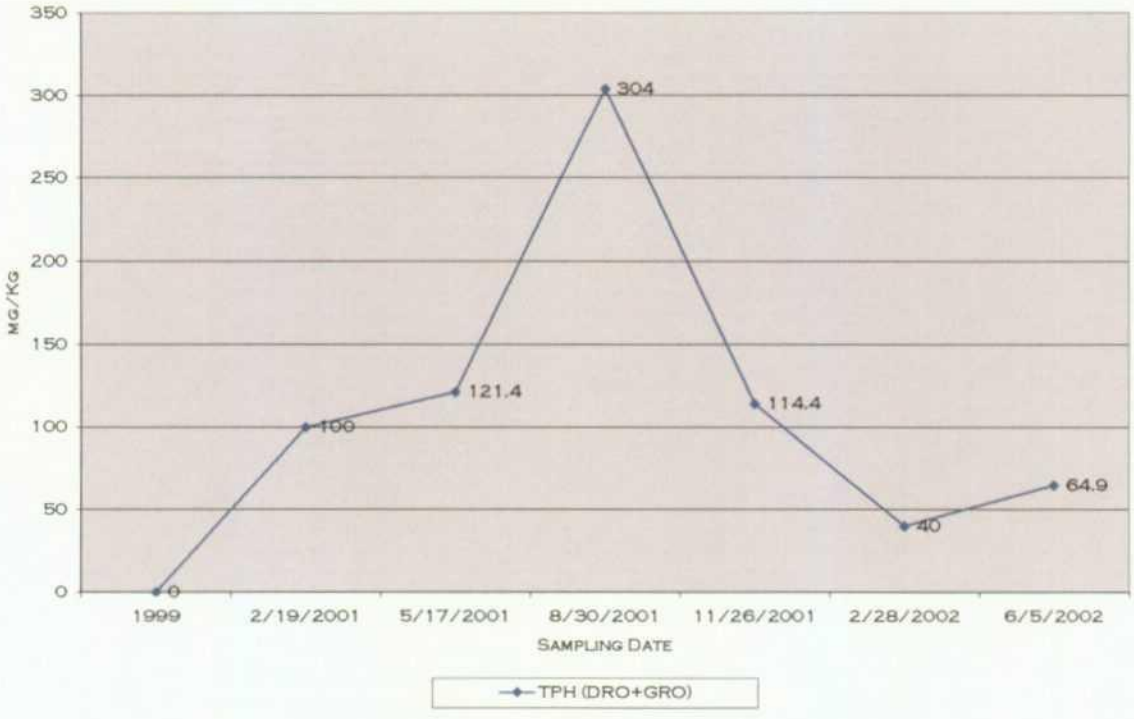

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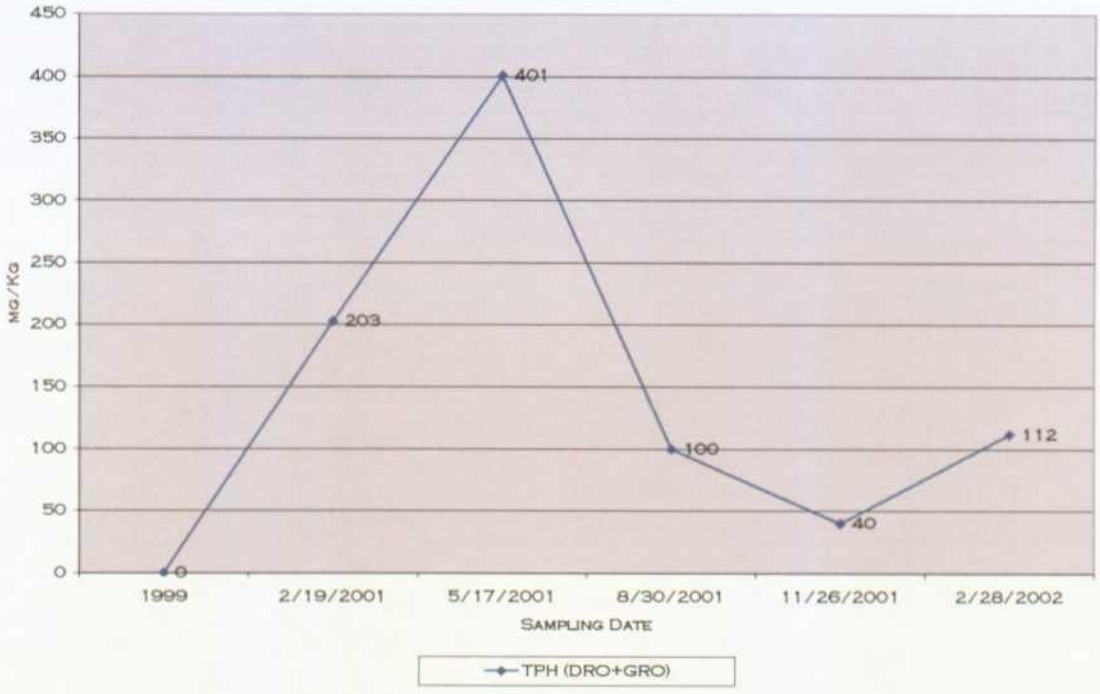

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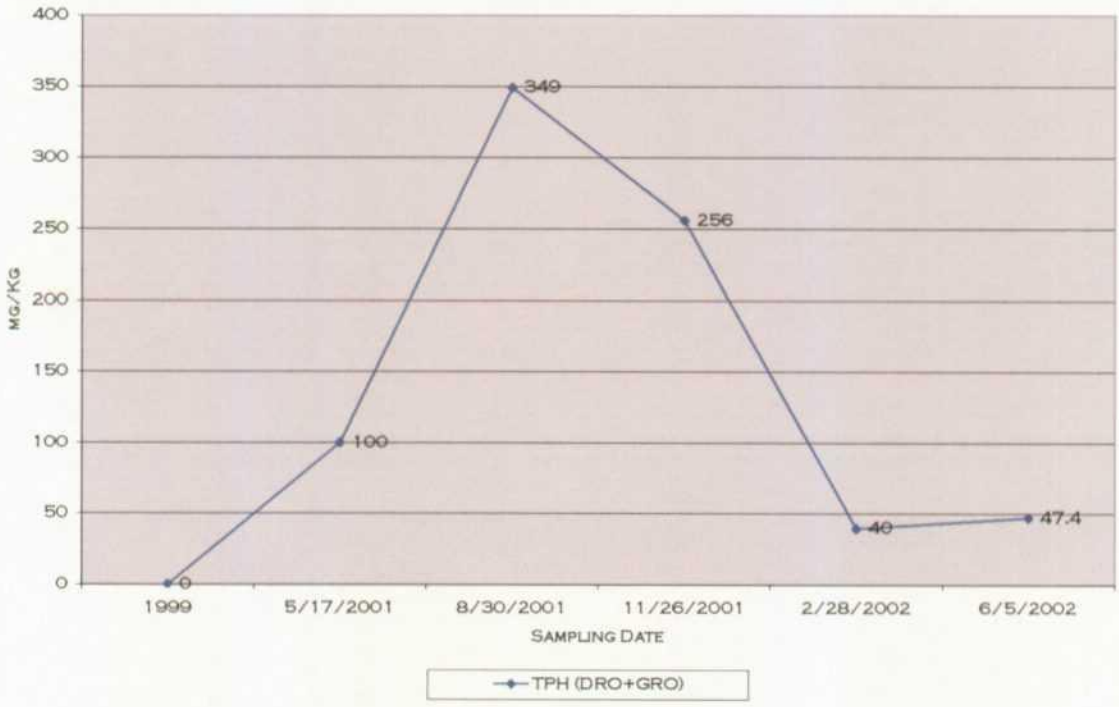

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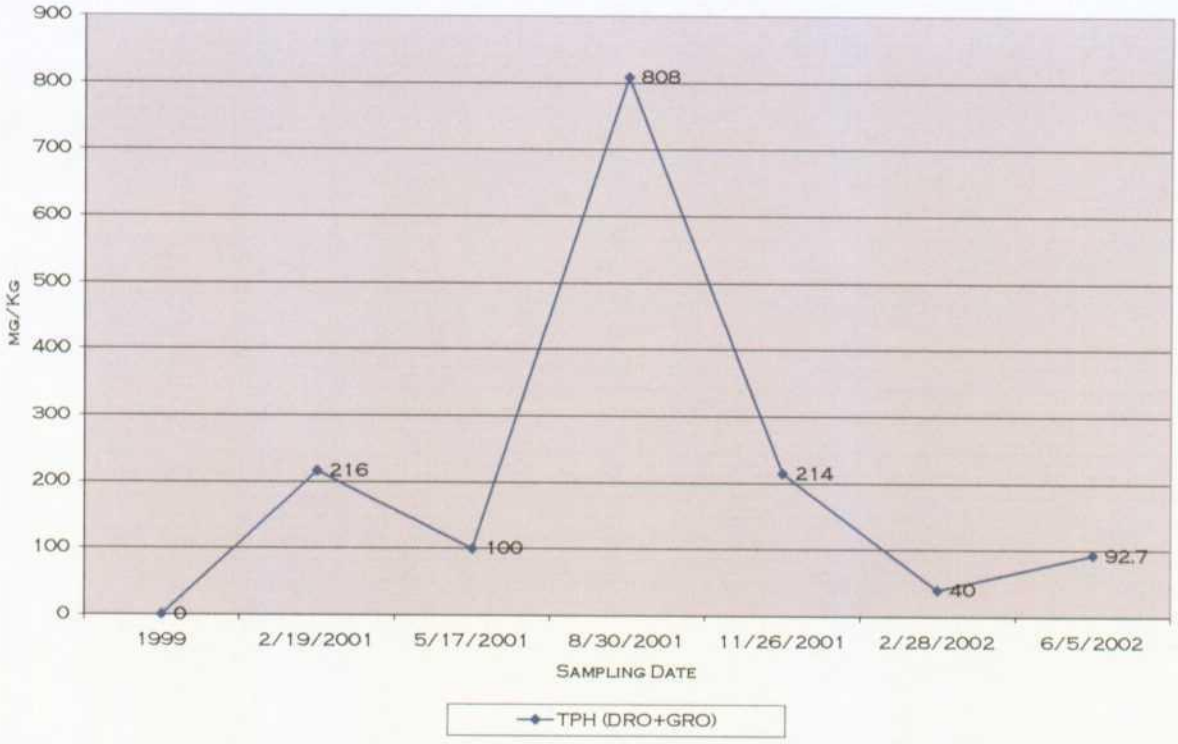

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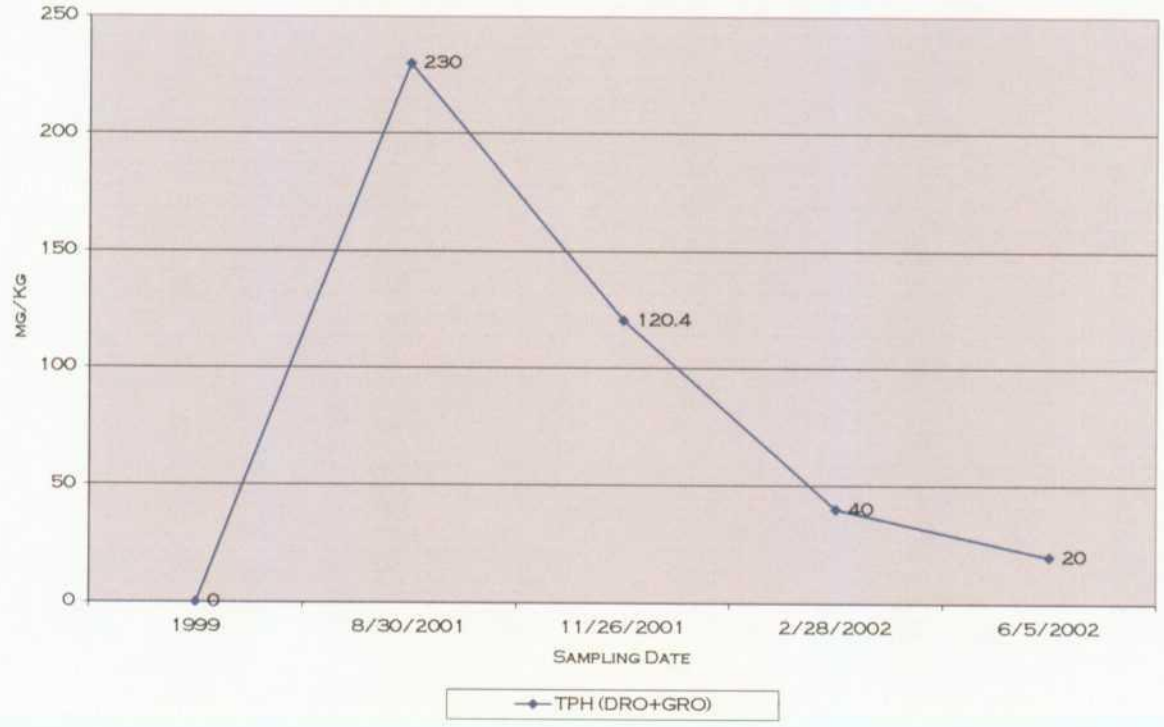

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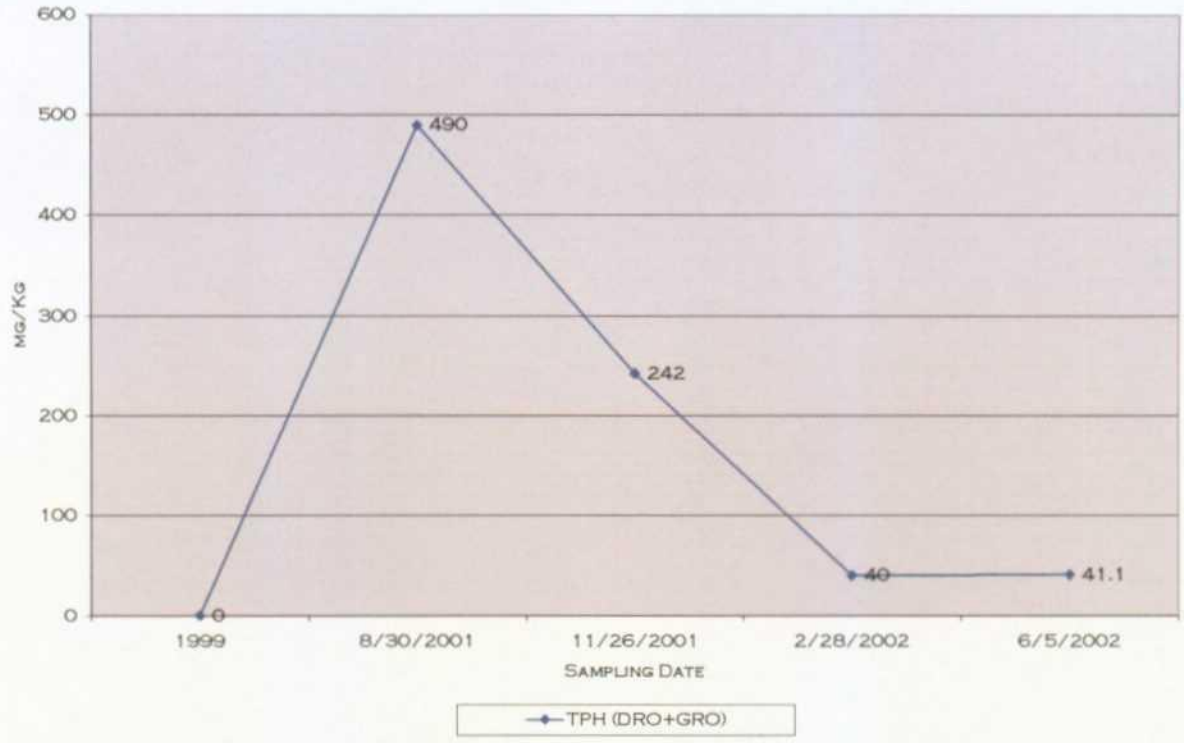

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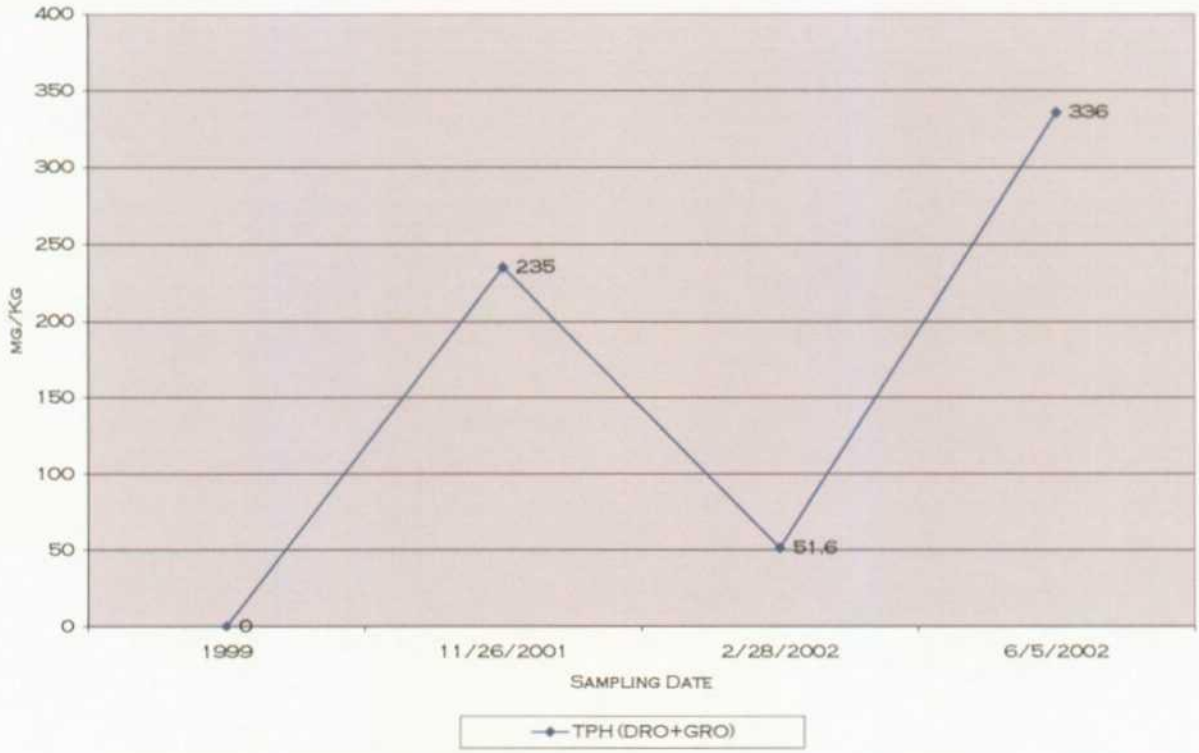


Attachment III: Inspection Reports

Texaco E. & P., Inc.

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 7-25-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 8-30-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 5-6-01 Inspector: Pat M	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Maintain Berms Push Piles
Date: 7-13-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Berm Maint. Push Piles
Date: 8-20-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berm maint
Date: 8-27-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles. Berm Maint
Date: 9-4-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 9-11-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 9/20/01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 9-27-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 10-2-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 10-11-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berm Maintec.
Date: 10-17-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berm/Road Maint.
Date: 10-24-01 Inspector: Pat McCall	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berm/Road Maint.

Texaco Landfarm

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 10/24/01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berms Road Maint.
Date: 11/5/01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berm Road Maint.
Date: 11.12.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 11.19.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 11.26.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Quarterly Sampling Push Piles
Date: 12.3.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Maintain Berms Push Piles Disk
Date: 12.10.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push P. Lvs Level Backfill Disk
Date: 12.17.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Disk
Date: 12.24.01 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Disk
Date: 1.7.02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk cut weeds Push Piles on berms Shred Rocks
Date: 1.15.02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk cut weeds Push Piles on Berms, Shred Rocks
Date: 1.21.02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk Shred Rocks Push Piles Cut Weeds
Date: 1.28.02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push P. Lvs Shred rocks Disk
Date: 2.7.02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred rock Disk

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: [illegible] Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred rock Disk
Date: 2-7-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred rock Disk
Date: 2-21-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Sample - 2.25.02 Push Piles Shred rock Disk
Date: 3-4-01 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred rock
Date: 3-12-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred rock Disk
Date: 3-19-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred rock Disk
Date: 3-26-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred Rock Disk
Date: 4-2-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred Rock Disk
Date: 4-11-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred Rock Disk
Date: 4-16-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Shred Disk
Date: 4-25-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push/Shred/Disk
Date: 4-30-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push/Shred/Disk
Date: 5-6-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☑ ____ Berm Needs Repair	Push/Shred/Disk
Date: 5-14-02 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☐ All OK ☑ NE Berm Needs Repair	Push/Shred/Disk Weekend rain Berm Repaired 5-13-02

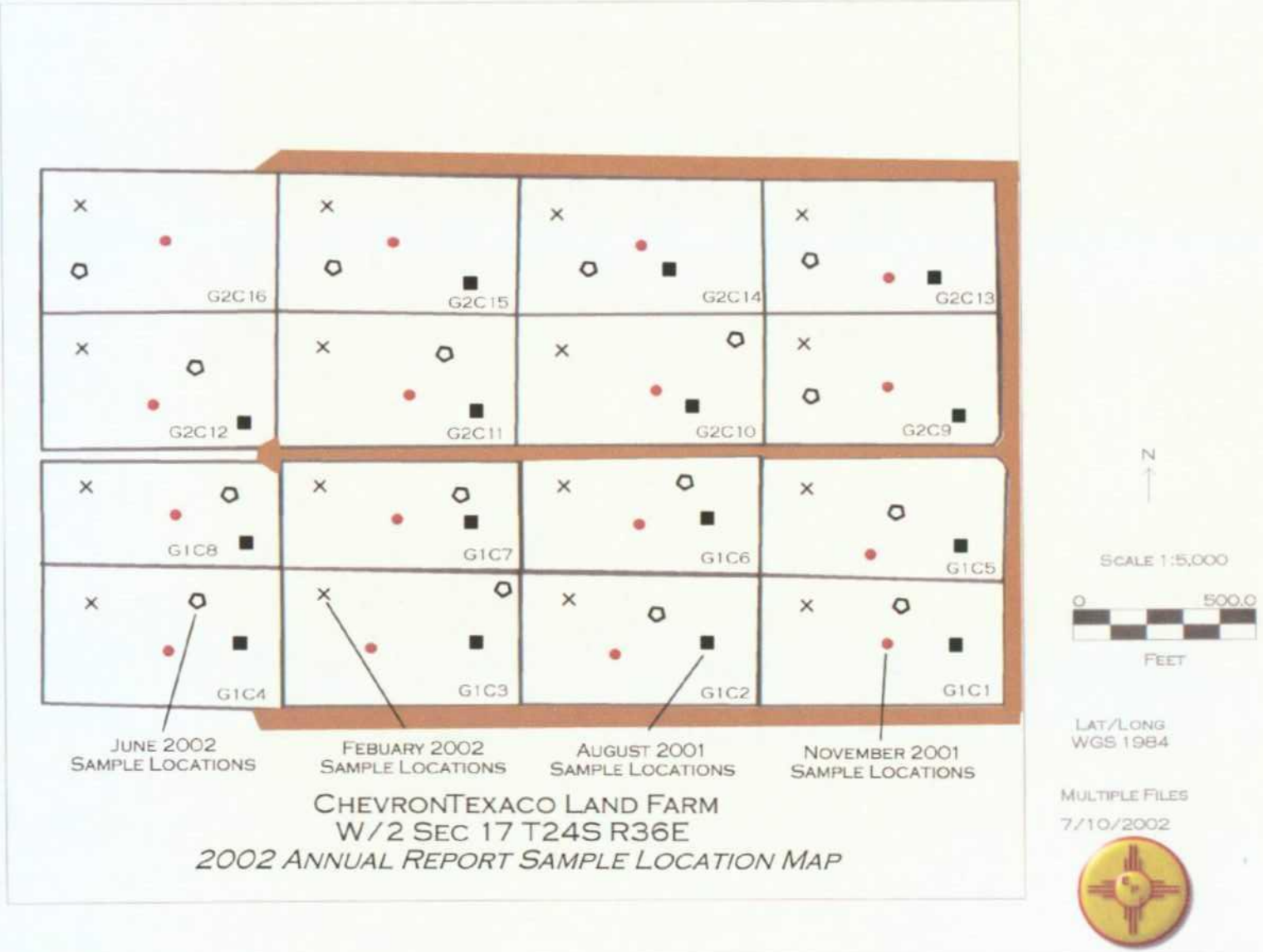
Attachment IV: Photographs


6/5/2002 1:10pm


1/15/2002


6/5/2002 1:17pm

Attachment V: Site Map



CHEVRONTEXACO LAND FARM
W/2 SEC 17 T24S R36E
2002 ANNUAL REPORT SAMPLE LOCATION MAP

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

Micro-Blaze Micro-Blaze Out™

ENVIRONMENTAL PLUS, INC.

June 27, 2001

Oil Conservation Division
Environmental Bureau
P.O. Box 6429
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Attention: Martyne Kieling

Subject: Texaco Land Farm #NM-02-0012 2001 Annual Report

Dear Ms. Kieling,

Enclosed herewith, please find 2 copies of the Texaco E & P, Inc., "Texaco Landfarm #NM-02-0012 2001 Annual Report for 2001," developed and prepared by Environmental Plus, Inc. (EPI) on behalf of Mr. Rodney Bailey, Texaco E & P, Inc., Hobbs OU.

If there are any questions please contact Mr. Bailey at 915.688.2971 or 505.631.9005, or I may be reached at the office or at 505.390.7864.

Please address all official written communication to:

Mr. Rodney Bailey
Texaco E & P, Inc., Hobbs OU
500 N. Lorraine
Midland, Texas 79702

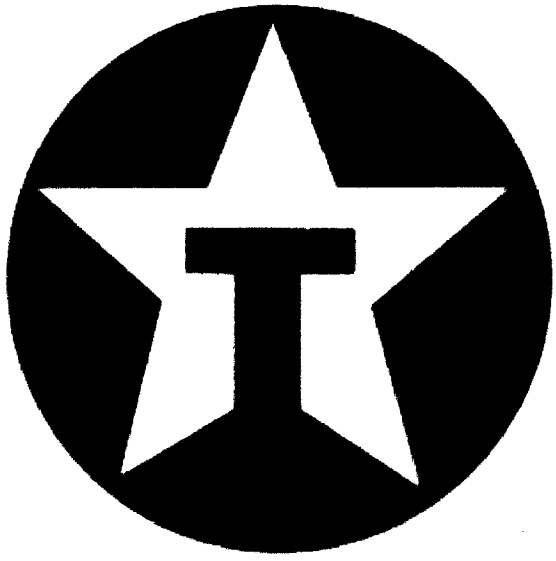
Sincerely,

Pat McCasland
EPI Technical Services Manager

cc: Rodney Bailey, Texaco, w/enclosure
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President
file

P.O. BOX 1558 ••• 1324 NORTH MAIN ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 FAX 505•394•2601

TEXACO E & P, INC.



TEXACO LANDFARM (TLF)

W/2 S17, T24S, R36E, NMPM
LEA COUNTY, NEW MEXICO

ANNUAL REPORT FOR 2001

June 23, 2001

Prepared by

Environmental Plus, Inc.
1324 North Main Street
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601

Table of Contents

1 TEXACO LAND FARM 2001 ANNUAL REPORT

The Texaco Land Farm (TLF) began accepting exempt oil field wastes generated by Texaco E. & P., Inc. in September 1999. This report provides treatment zone soil monitoring results from quarterly sampling events in accordance with the permit stipulations. In addition to quarterly analytical suite for Total Petroleum Hydrocarbon and BTEX compounds, the active cells were also sampled for the RCRA metals and general chemistry parameters, which the permit requires to be done annually.

1.1 Data Summary

The original laboratory data reports are included in Attachment I and are summarized in Attachment II along with charts for selected cells.

1.1.1 Quarterly Sampling: 8-28-00

Active cells at this quarterly sampling were 1-7. All TPH and BTEX data were below detection limits.

1.1.2 Quarterly Sampling: 11-20-00

Active cells at this quarterly sampling were 1-9. All TPH and BTEX data were within acceptable limits.

1.1.3 February 19, 2001 Annual Sampling

Active cells, i.e., 1-10 and 13 were sampled on February 19, 200 and analyzed according to the annual analytical suite that includes the RCRA metals and general chemistry parameters.

1.1.3.1 TPH and BTEX

The Diesel Range Organic values were elevated in cells 5, 6, 7, 8, 9, and 13 and probably due to contamination during sampling with the overlaying contaminated soil. Second quarter sampling results for these cells were nominal.

1.1.3.2 RCRA Metals

Total metals analyses were conducted for each cell with nominal values above the detection limit being reported for each metal. These levels are nominal however and do not warrant analysis using the "Toxicity Characteristic Leaching Procedure" (TCLP).

1.1.3.3 General Chemistry

Results show ± variances from the background values.

1.1.4 Quarterly Sampling: 5-17-01

Active cells at this quarterly sampling were 1-13. BTEX data were below detection limits. TPH DRO was detected in cells 1, 2, 3, 4, 6, 10, & 11 and considered to be up hole contamination of the sample.

1.2 Inspection Documentation

The weekly inspection records are included in Attachment III.

1.3 Photographs

Photographs are included in Attachment IV.

1.4 Site Map

Sample locations are illustrated on the site map included in Attachment V.

1.5 Discussion

There have been no off-site releases from the facility and treatment zone data indicates contaminated soil has not migrated into the subsurface. Lift zone sampling indicates that the waste is attenuating.

Attachment I: Original Laboratory Reports

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 08/30/00
Reporting Date: 09/01/00
Project Owner: TEXACO E&P
Project Name: TEXACO LANDFARM THIRD QTR. 2000
Project Location: W/S S17 T24S R36E NMPM

Sampling Date: 08/28/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)	
ANALYSIS DATE		08/30/00	08/30/00	08/30/00	
H5132-1	S00828G1C1LZ	<50	2070	566	
H5132-2	S00828G1C1TZ3Q	<50	158	-	
H5132-3	S00828G1C2LZ	<50	970	110	
H5132-4	S00828G1C2TZ3Q	<50	154	-	
H5132-5	S00828G1C3TZ3Q	<50	62.5	-	
H5132-6	S00828G1C4TZ3Q	<50	<50	-	
H5132-7	S00828G1C5TZ3Q	<50	<50	-	
H5132-8	S00828G1C6LZ	<50	3620	566	*
H5132-9	S00828G1C8TZ3Q	<50	136	-	
H5132-10	S00828G1C7TZ3Q	<50	<50	-	
Quality Control		789	818	962	
True Value QC		800	800	1000	
% Recovery		98.6	102	96.2	
Relative Percent Difference		4.7	2.2	1.2	

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClˉB
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

9/1/00
Date

H5132A.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 08/31/00
Reporting Date: 09/01/00
Project Number: NOT GIVEN
Project Name: SAUNDERS
Project Location: NOT GIVEN

Sampling Date: 08/31/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)
ANALYSIS DATE:		08/31/00	08/31/00
H5137-1	S000831TZ32	<50	1060
Quality Control		789	818
True Value QC		800	800
% Recovery		98.6	102
Relative Percent Difference		4.7	2.2

METHOD: SW-846 8015 M

Chemist

9/1/00
Date

H5137.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 11/20/00
Reporting Date: 11/27/00
Project Owner: R. BAILEY
Project Name: TEXACO LANDFARM 4th QTR., 2000
Project Location: W/2 SEC17-T24S-R38E

Sampling Date: 11/20/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		11/21/00	11/21/00	11/21/00	11/21/00	11/21/00	11/21/00
H5368-1	S001120G1C14QTZ	<50	117	<0.005	<0.005	<0.005	<0.15
H5368-2	S001120G1C24QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-3	S001120G1C34QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-4	S001120G1C44QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-5	S001120G1C54QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-6	S001120G1C64QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-7	S001120G1C74QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-8	S001120G1C84QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
H5368-9	S001120G1C94QTZ	<50	<50	<0.005	<0.005	<0.005	<0.15
Quality Control		897	909	0.094	0.096	0.095	0.289
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		89.7	90.9	94.1	95.5	95.2	95.0
Relative Percent Difference		2.7	3.4	0.4	5.7	4.6	3.9

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J.A. Cooke, Ph. D.

11/27/00
Date

H5368.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 02/27/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		02/26/01	02/26/01	02/26/01	02/26/01	02/26/01	02/26/01
H5652-1	S21901G1C1TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-2	S21901G1C2TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-3	S21901G1C3TZA	<50	180	<0.005	<0.005	<0.005	<0.015
H5652-4	S21901G1C4TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-5	S21901G1C5TZA	<50	628	<0.005	0.008	0.006	0.018
H5652-6	S21901G1C6TZA	117	4220	<0.005	0.009	0.054	0.571
H5652-7	S21901G1C7TZA	<50	420	<0.005	0.005	<0.005	<0.015
H5652-8	S21901G1C8TZA	<50	468	<0.005	0.005	<0.005	<0.015
H5652-9	S21901G1C9TZA	<50	73.8	<0.005	<0.005	<0.005	<0.015
H5652-10	S21901G1C10TZA	<50	<50	<0.005	<0.005	<0.005	<0.015
H5652-11	S21901G1C13TZA	<50	166	<0.005	<0.005	<0.005	<0.015
Quality Control		766	808	0.099	0.097	0.096	0.288
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.4	101	99.4	97.4	95.8	95.9
Relative Percent Difference		1.9	0.4	3.7	5.7	1.1	1.3

METHODS: TPH GRO & DRO - EPASW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

2/27/01
Date

H5652A.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4761

Receiving Date: 02/26/01
Reporting Date: 03/05/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

RCRA METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		02/28/01	03/02/01	03/02/01	03/02/01	03/02/01	03/02/01	03/02/01	02/28/01
H5652-1	S21901G1C1TZA	1.15	1.15	20.9	5.05	8.45	1.50	0.046	0.510
H5652-2	S21901G1C2TZA	0.637	1.15	51.0	3.90	3.70	0.70	0.017	0.117
H5652-3	S21901G1C3TZA	4.10	2.26	72.3	2.70	11.30	10.00	<0.02	0.141
H5652-4	S21901G1C4TZA	0.547	1.20	99.7	1.25	10.96	0.90	<0.02	<0.01
H5652-5	S21901G1C5TZA	2.44	1.75	48.2	<1	8.30	5.60	0.042	<0.01
H5652-6	S21901G1C6TZA	2.47	2.25	76.6	<1	2.45	6.85	<0.02	0.118
H5652-7	S21901G1C7TZA	0.577	1.46	138	<1	3.80	1.30	0.029	<0.01
H5652-8	S21901G1C8TZA	1.12	1.45	150	<1	5.45	1.65	<0.02	<0.01
H5652-9	S21901G1C9TZA	1.18	1.50	155	<1	5.45	3.20	<0.02	0.420
H5652-10	S21901G1C10TZA	1.25	1.55	170	<1	0.50	0.70	<0.02	<0.01
H5652-11	S21901G1C13TZA	1.48	3.95	185	<1	4.45	1.65	<0.02	<0.01
Quality Control		0.199	4.823	70.40	0.916	4.955	4.966	0.00700	0.202
True Value QC		0.200	5.000	75.00	1.000	5.000	5.000	0.00600	0.200
% Recovery		99.5	91.5	93.9	91.6	99.1	99.7	85.7	101
Relative Percent Difference		0.2	0.2	1.1	1.2	1.4	3.0	1.4	2.4

METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915)-688-4761

Receiving Date: 02/26/01
Reporting Date: 03/01/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		02/28/01	03/01/01	03/01/01	03/01/01	02/28/01	03/01/01
H5652-1	S21901G1C1TZA	300	0	46	12	872	522
H5652-2	S21901G1C2TZA	338	247	46	42	2332	429
H5652-3	S21901G1C3TZA	520	213	37	66	2696	224
H5652-4	S21901G1C4TZA	333	117	29	31	1184	298
H5652-5	S21901G1C5TZA	753	439	67	24	5992	149
H5652-6	S21901G1C6TZA	841	208	46	33	4488	280
Quality Control		0.990	47	52	5.04	1489	NR
True Value QC		1.000	50	50	5.00	1413	NR
%Recovery		99.0	94.3	104	101	105	NR
Relative Percent Difference		0.4	8.6	0	2.0	0.3	NR
METHODS:		272.1	3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)
ANALYSIS DATE:		03/01/01	03/01/01	03/01/01	03/01/01	02/28/01
H5652-1	S21901G1C1TZA	128	96	0	637	8.28
H5652-2	S21901G1C2TZA	314	464	0	523	7.83
H5652-3	S21901G1C3TZA	157	564	0	273	7.53
H5652-4	S21901G1C4TZA	157	200	0	384	7.63
H5652-5	S21901G1C5TZA	1430	372	0	182	7.42
H5652-6	S21901G1C6TZA	1178	300	0	341	7.50
Quality Control		992	53.03	NR	996	7.03
True Value QC		1000	50.00	NR	1000	7.00
%Recovery		99.2	106	NR	99.6	100
Relative Percent Difference		3.9	3.0	NR	0	0
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts; conductivity results were therefore multiplied by 4.

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO: (915) 688-4751

Receiving Date: 02/26/01
Reporting Date: 03/01/01
Project Number: 21901
Project Name: TEXACO LANDFARM ANNUAL SAMPLING
Project Location: W/2 S17 T24S R36E NMPH

Sampling Date: 02/19/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO3/L)
ANALYSIS DATE:		02/28/01	03/01/01	03/01/01	03/01/01	02/28/01	03/01/01
H5652-7	S21901G1C7TZA	975	364	87	44	7980	168
H5652-8	S21901G1C8TZA	373	144	25	21	2544	336
H5652-9	S21901G1C9TZA	326	76	8	14	736	690
H5652-10	S21901G1C10TZA	316	76	8	5.1	536	373
H5652-11	S21901G1C13TZA	318	69	17	4.5	756	391
Quality Control		0.990	47	52	5.04	1489	NR
True Value QC		1.000	50	50	5.00	1413	NR
%Recovery		99.0	94.3	104	101	105	NR
Relative Percent Difference		0.4	8.5	0	2.0	0.3	NR
METHODS:		272.1	3500-Ca-D	3500-Mg E	6049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl- (mg/L)	SO4 (mg/L)	CO3 (mg/L)	HCO3 (mg/L)	pH (s.u.)
ANALYSIS DATE:		03/01/01	03/01/01	03/01/01	03/01/01	03/01/01
H5652-7	S21901G1C7TZA	2082	80	0	205	7.45
H5652-8	S21901G1C8TZA	198	96	0	409	7.85
H5652-9	S21901G1C9TZA	157	28	0	841	8.12
H5652-10	S21901G1C10TZA	118	24	0	455	8.08
H5652-11	S21901G1C13TZA	79	28	0	478	7.99
Quality Control		992	53.03	NR	995	7.03
True Value QC		1000	50.00	NR	1000	7.00
%Recovery		99.2	106	NR	99.5	100
Relative Percent Difference		3.9	3.0	NR	0	0
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts; conductivity results were therefore multiplied by 4.

Chemist

03/05/2001
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 05/17/01
Reporting Date: 05/21/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Sampling Date: 05/17/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		05/18/01	05/18/01	05/18/01	05/18/01	05/18/01	05/18/01
H5877-1	S51701G1C1TZ	<50	181	<0.005	<0.005	<0.005	<0.015
H5877-2	S51701G1C1LZ	<50	2809	<0.005	<0.005	<0.005	<0.015
H5877-3	S51701G1C2TZ	<50	118	<0.005	<0.005	<0.005	<0.015
H5877-4	S51701G1C3TZ	<50	2530	<0.005	<0.005	<0.005	<0.015
H5877-5	S51701G1C4TZ	<50	62.4	<0.005	<0.005	<0.005	<0.015
H5877-6	S51701G1C5LZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-7	S51701G1C5TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-8	S51701G1C6TZ	<50	57.2	<0.005	<0.005	<0.005	<0.015
H5877-9	S51701G1C7TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-10	S51701G1C8TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-11	S51701G1C9TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-12	S51701G1C10TZ	<50	71.4	<0.005	<0.005	<0.005	<0.015
H5877-13	S51701G1C11TZ	<50	153	<0.005	<0.005	<0.005	<0.015
H5877-14	S51701G1C12TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
H5877-15	S51701G1C13TZ	<50	<50	<0.005	<0.005	<0.005	<0.015
Quality Control		766	805	0.102	0.102	0.095	0.273
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		94.6	101	104	102	95.1	96.1
Relative Percent Difference		9.7	5.0	2.5	6.3	5.8	4.5

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

5/21/01
Date

H5877B.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
P.O. BOX 3109
MIDLAND, TX 79702
FAX TO:

Receiving Date: 05/17/01
Reporting Date: 05/22/01
Project Number: NOT GIVEN
Project Name: TEXACO LANDFARM
Project Location: NOT GIVEN

Analysis Date: 05/21/01
Sampling Date: 05/17/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H5877-2	S51701G1C1LZ	1601
H5877-8	S51701G1C5LZ	1274
Quality Control		1068
True Value QC		1000
% Recovery		107
Relative Percent Difference		9.1

METHOD: Standard Methods	4500-ClB

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

5-22-01
Date

H5877A.XLS

Attachment II: Data Summary

Texaco Landfarm: Gallery 1 Cell 1

Annual and Quarterly Data Summary

Parameter	Units	1999	2/17/2000	5/22/2000	8/28/2000	8/28/2000	11/20/2000	2/19/2001	5/17/2001	5/17/2001
		Initial	S00217G1C1TZ1A	S00522G1C1TZ1B	S00828G1C1TZ3Q	S00828G1C1LZ	S001120G1C14QTZ	S21901G1C1TZA	S51701G1C1TZ	S51701G1C1LZ
		Background	Annual/TZ	Quarterly/TZ	Quarterly/TZ	Lift Zone Check	Quarterly/TZ	Annual/TZ	Quarterly/TZ	Lift Zone Check
TPH (GRO)[1]	mg/Kg	*5*	*50*	*50*	*50*	*50*	50	50	50	50
TPH (DRO)[2]	mg/Kg	na	154	*50*	*156*	*2070*	117	50	181	2809
TPH (DRO+GRO)	mg/Kg	5.0	204	100	206	2120	167	100	231	2859
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005	0.005
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005	0.005
Total Xylene	mg/Kg	0.05	*0.015*	*0.015*	*0.015*	*0.015*	0.150	0.015	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.030	0.030	0.165	0.030	0.030	0.030
Potassium (K)	mg/Kg	39.0	22					12		
Magnesium (Mg)	mg/Kg	49.0	31					46		
Calcium (Ca)	mg/Kg	800.0	115					0		
Sodium (Na)	mg/Kg	5.1	643					300		
Fluoride (F)	mg/Kg	1.7	na							
Chloride (Cl)	mg/Kg	10.0	96			566		128		1601
Nitrate (NO_3)	mg/Kg	2.2	na							
Sulfate (SO_4)	mg/Kg	15.0	178					96		
Bicarbonate (HCO_3)	mg/Kg	3500	1425					637		
Carbonate (CO_3)	mg/Kg	80.0	211					0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	1520					522		
Conductivity	mmhos/cm	na	121					872		
pH	SU	na	8.38					8.28		
Arsenic (As)	ppm	<5.0	1.900					1.150		
Silver (Ag)	ppm	<5.0	4.600					1.150		
Barim (Ba)	ppm	45.0	<5					20.900		
Cadmium (Cd)	ppm	<2.0	*9.700*					5.050		
Chromium (Cr)	ppm	6.1	0.700					8.450		
Lead (Pb)	ppm	<5.0	55.600					1.500		
Mercury (Hg)	ppm	<.025	*0.009*					0.046		
Selenium (Se)	ppm	<5.0	*2.650*					0.510		

[1]GRO - Gasoline Range Organics

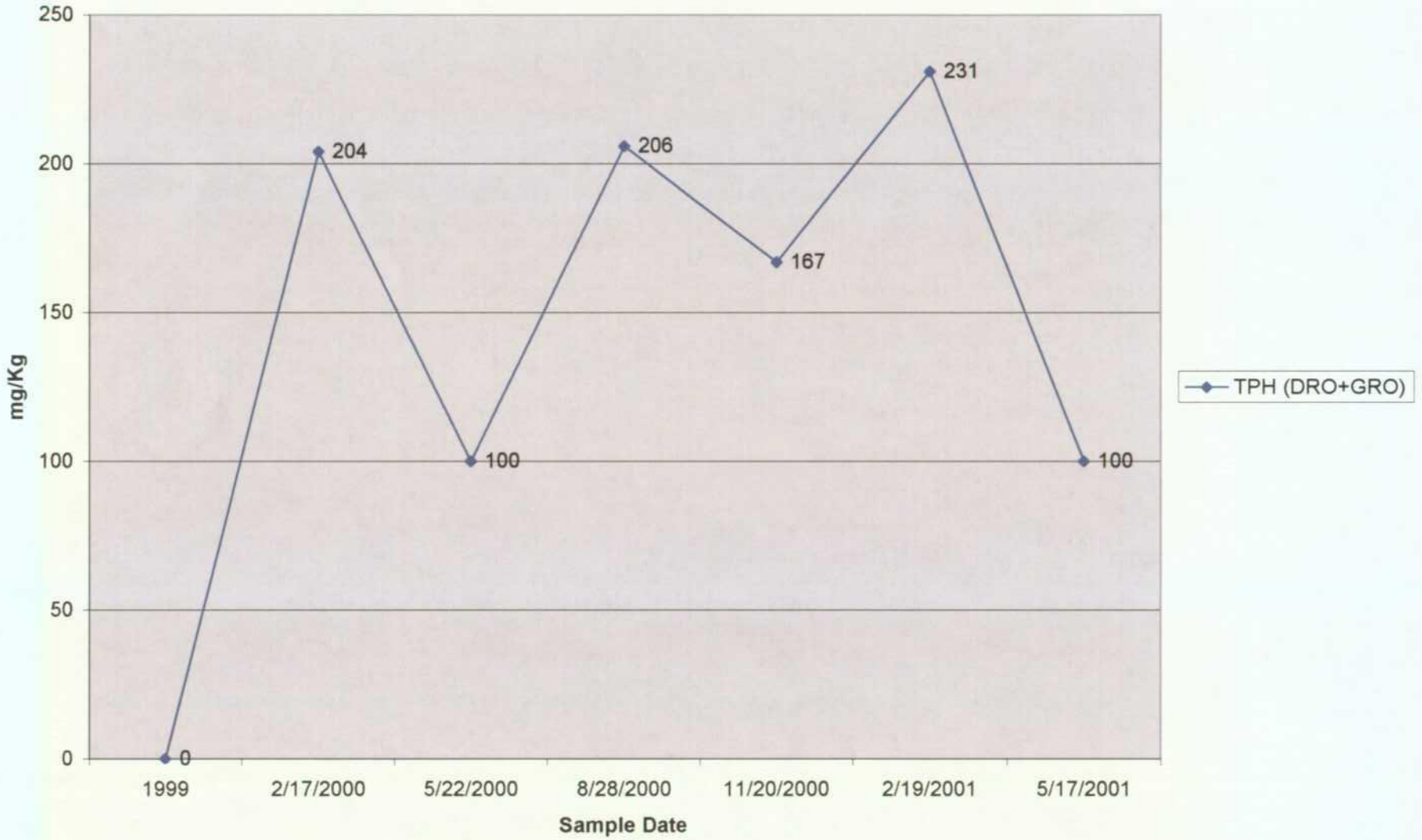
[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

Gallery 1 Cell 1



Texaco Landfarm: Gallery 1 Cell 2

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/17/2000 S00217G1C2TZ1A Annual/TZ	5/22/2000 S00522G1C2TZ1B Quarterly/TZ	8/28/2000 S00828G1C2TZ3Q Quarterly/TZ	8/28/2000 S00828G1C2LZ Lift Zone Check	11/20/2000 S001120G1C24QTZ Quarterly/TZ	2/19/2001 S21901G1C2TZA Annual/TZ	5/17/2001 S51701G1C2TZ Quarterly/TZ	
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*	*50*	50	50	50	
TPH (DRO)[2]	mg/Kg	na	50	*50*	*154*	*970*	50	50	118	
TPH (DRO+GRO)	mg/Kg	5	100	100	204	1020	100	100	168	
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005	
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005	
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005	
Total Xylene	mg/Kg	0.05	*0.015*	*0.015*	*0.015*	*0.015*	0.150	0.015	0.015	
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.030	0.030	0.165	0.030	0.030	
Potassium (K)	mg/Kg	39.0	7					42		
Magnesium (Mg)	mg/Kg	49.0	23					46		
Calcium (Ca)	mg/Kg	800.0	45					247		
Sodium (Na)	mg/Kg	5.1	99					338		
Fluoride (F)	mg/Kg	1.7	na							
Chloride (Cl)	mg/Kg	10.0	112			110				
Nitrate (NO_3)	mg/Kg	2.2	na							
Sulfate (SO_4)	mg/Kg	15.0	79					464		
Bicarbonate (HCO_3)	mg/Kg	3500	39					523		
Carbonate (CO_3)	mg/Kg	80.0	96					0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	192					429		
Conductivity	mmhos/cm	na	108					2332		
pH	SU	na	8.49					7.63		
Arsenic (As)	mg/Kg	<5.0	1.200					0.637		
Silver (Ag)	mg/Kg	<5.0	3.550					1.150		
Barim (Ba)	mg/Kg	45.0	<5					51.000		
Cadmium (Cd)	mg/Kg	<2.0	*9.000*					3.900		
Chromium (Cr)	mg/Kg	6.1	0.150					3.700		
Lead (Pb)	mg/Kg	<5.0	44.400					0.700		
Mercury (Hg)	mg/Kg	<.025	*0.005*					0.017		
Selenium (Se)	mg/Kg	<5.0	*0.300*					0.117		

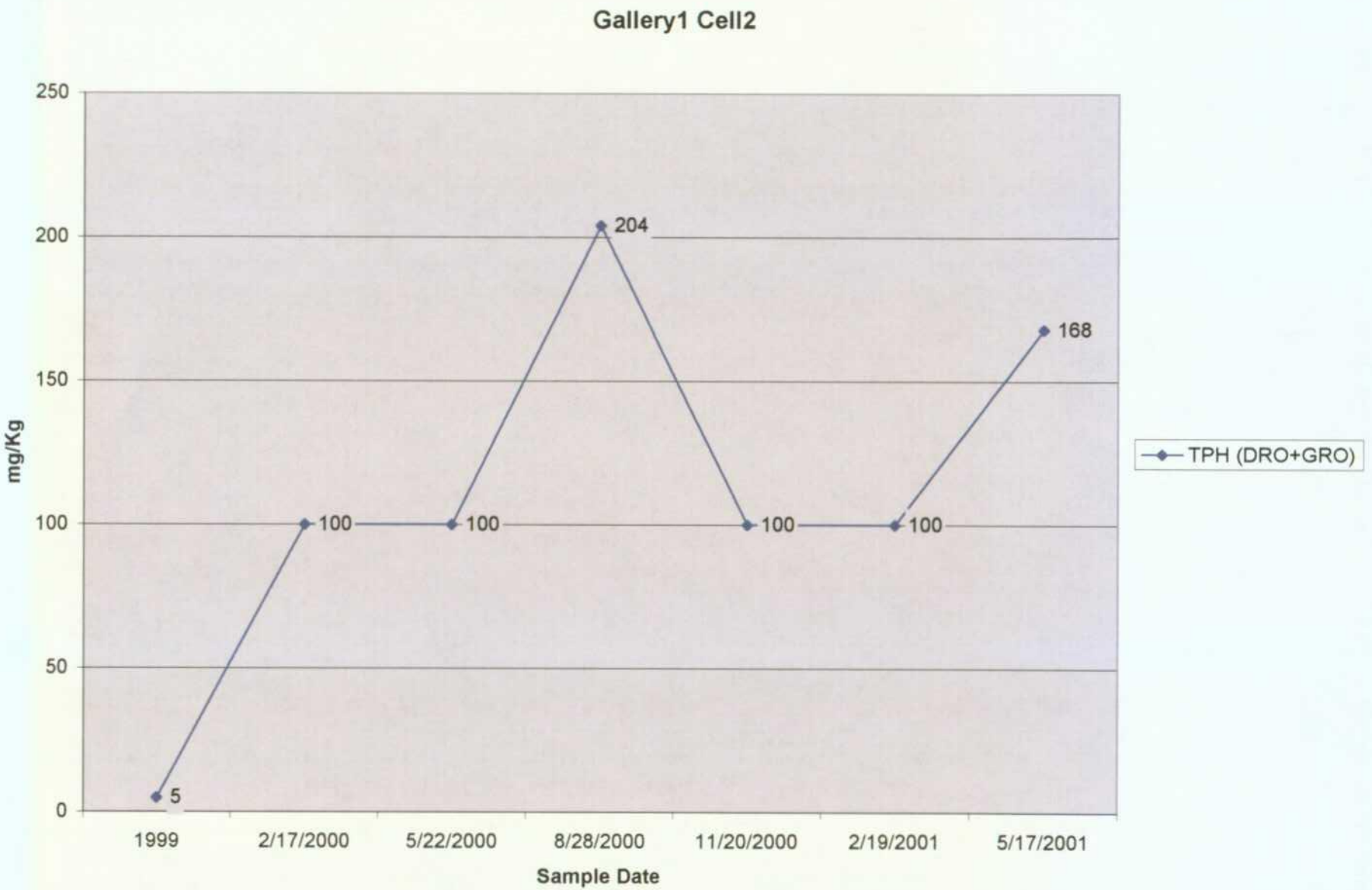
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery1 Cell2
250
200
150
100
50
0
mg/Kg
204
168
100
100
100
100
5
TPH (DRO+GRO)
1999
2/17/2000
5/22/2000
8/28/2000
11/20/2000
2/19/2001
5/17/2001
Sample Date

Texaco Landfarm: Gallery 1 Cell 3

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	5/22/2000 S00522G1C3TZ1B Quarterly/TZ	8/28/2000 S00828G1C3TZ3Q Quarterly/TZ	11/20/2000 S001120G1C34QTZ Quarterly/TZ	2/19/2001 S21901G1C3TZA Annual/TZ	5/17/2001 S51701G1C3TZ Quarterly/TZ			
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*	*50*	50			
TPH (DRO)[2]	mg/Kg	na	50	*62.5*	*50*	*180*	2530			
TPH (DRO+GRO)	mg/Kg	5	100	112.5	100	230	2580			
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005			
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005			
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005			
Total Xylene	mg/Kg	0.05	*0.150*	*0.150*	*0.150*	*0.015*	0.015			
BTEX[4]	mg/Kg	0.2	0.165	0.165	0.165	0.030	0.030			
Potassium (K)	mg/Kg	39.0				56				
Magnesium (Mg)	mg/Kg	49.0				37				
Calcium (Ca)	mg/Kg	800.0				213				
Sodium (Na)	mg/Kg	5.1				520				
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0				157				
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0				564				
Bicarbonate (HCO_3)	mg/Kg	3500				273				
Carbonate (CO_3)	mg/Kg	80.0				0				
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na				224				
Conductivity	mmhos/cm	na				2696				
pH	SU	na				7.53				
Arsenic (As)	mg/Kg	<5.0				4.100				
Silver (Ag)	mg/Kg	<5.0				2.250				
Barim (Ba)	mg/Kg	45.0				72.300				
Cadmium (Cd)	mg/Kg	<2.0				2.700				
Chromium (Cr)	mg/Kg	6.1				11.300				
Lead (Pb)	mg/Kg	<5.0				10.000				
Mercury (Hg)	mg/Kg	<.025				0.020				
Selenium (Se)	mg/Kg	<5.0				0.141				

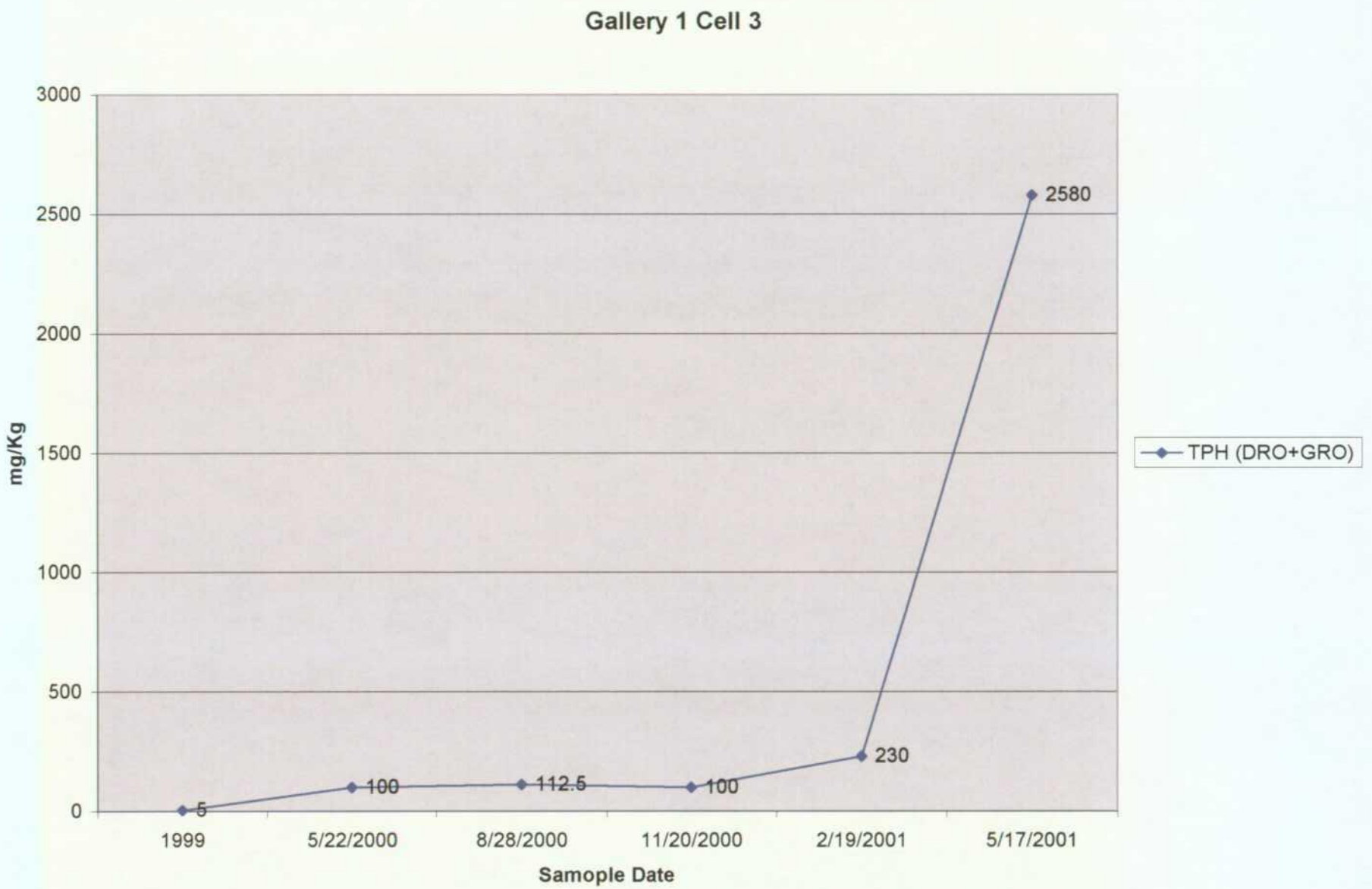
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery 1 Cell 3
3000
2500
2000
1500
1000
500
0
mg/Kg
2580
230
100
112.5
100
5
1999
5/22/2000
8/28/2000
11/20/2000
2/19/2001
5/17/2001
Samople Date
TPH (DRO+GRO)

Texaco Landfarm: Gallery 1 Cell 4

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	8/28/2000 S00828G1C4TZ3Q Quarterly/TZ	11/20/2000 S001120G1C44QTZ Quarterly/TZ	2/19/2001 S21901G1C4TZA Annual/TZ	5/17/2001 S51701G1C4TZ Quarterly/TZ
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*	*50*
TPH (DRO)[2]	mg/Kg	na	50	*50*	*50*	*62.4*
TPH (DRO+GRO)	mg/Kg	5	100	100	100	112.4
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*
Total Xylene	mg/Kg	0.05	*0.005*	*0.150*	*0.015*	*0.015*
BTEX[4]	mg/Kg	0.2	0.020	0.165	0.030	0.030
Potassium (K)	mg/Kg	39.0			31	
Magnesium (Mg)	mg/Kg	49.0			29	
Calcium (Ca)	mg/Kg	800.0			117	
Sodium (Na)	mg/Kg	5.1			333	
Fluoride (F)	mg/Kg	1.7				
Chloride (Cl)	mg/Kg	10.0			157	
Nitrate (NO_3)	mg/Kg	2.2				
Sulfate (SO_4)	mg/Kg	15.0			200	
Bicarbonate (HCO_3)	mg/Kg	3500			364	
Carbonate (CO_3)	mg/Kg	80.0			0	
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na			298	
Conductivity	mmhos/cm	na			1184	
pH	SU	na			7.63	
Arsenic (As)	mg/Kg	<5.0			0.547	
Silver (Ag)	mg/Kg	<5.0			1.200	
Barim (Ba)	mg/Kg	45.0			93.700	
Cadmium (Cd)	mg/Kg	<2.0			1.250	
Chromium (Cr)	mg/Kg	6.1			10.960	
Lead (Pb)	mg/Kg	<5.0			0.900	
Mercury (Hg)	mg/Kg	<.025			0.020	
Selenium (Se)	mg/Kg	<5.0			0.010	

[1]GRO - Gasoline Range Organics

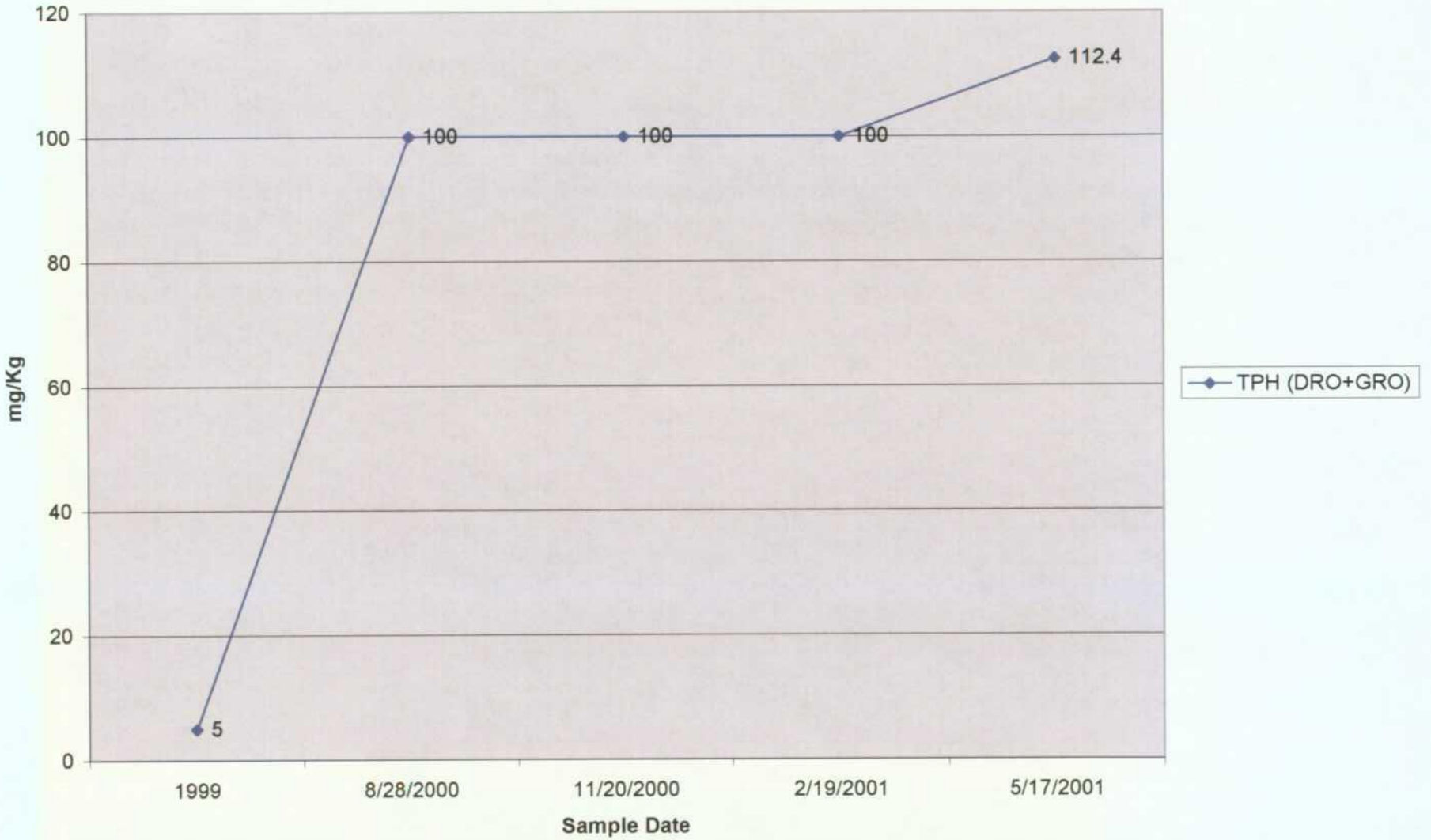
[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.

Gallery 1 Cell 4



Texaco Landfarm: Gallery 1 Cell 5

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	2/17/2000 S00217G1C5TZ1A Annual/TZ	5/22/2000 S00522G1C5TZ1B Quarterly/TZ	8/28/2000 S00828G1C5TZ3Q Quarterly/TZ	11/20/2000 S001120G1C54QTZ Quarterly/TZ	2/19/2001 S21901G1C5TZA Annual/TZ	5/17/2001 S51701G1C5TZ Quarterly/TZ	5/17/2001 S51701G1C5LZ Lift Zone Check
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*	*50*	50	50	50
TPH (DRO)[2]	mg/Kg	na	50	*50*	*50*	*50*	626	50	50
TPH (DRO+GRO)	mg/Kg	5	100	100	100	100	676	100	100
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005	0.005
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.008	0.005	0.005
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.006	0.005	0.005
Total Xylene	mg/Kg	0.05	*0.015*	*0.015*	*0.015*	*0.150*	0.018	0.015	0.015
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.030	0.165	0.037	0.030	0.030
Potassium (K)	mg/Kg	39.0	16				24		
Magnesium (Mg)	mg/Kg	49.0	54				67		
Calcium (Ca)	mg/Kg	800.0	77				439		
Sodium (Na)	mg/Kg	5.1	662				753		
Fluoride (F)	mg/Kg	1.7	na						
Chloride (Cl)	mg/Kg	10.0	80				1430		1274
Nitrate (NO_3)	mg/Kg	2.2	na						
Sulfate (SO_4)	mg/Kg	15.0	155				372		
Bicarbonate (HCO_3)	mg/Kg	3500	1640				182		
Carbonate (CO_3)	mg/Kg	80.0	154				0		
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na	1600				149		
Conductivity	mmhos/cm	na	129				5992		
pH	SU	na	8.32				7.42		
Arsenic (As)	mg/Kg	<5.0	1.650				2.440		
Silver (Ag)	mg/Kg	<5.0	4.850				1.750		
Barim (Ba)	mg/Kg	45.0	<5				48.200		
Cadmium (Cd)	mg/Kg	<2.0	*10.400*				1.000		
Chromium (Cr)	mg/Kg	6.1	0.300				8.300		
Lead (Pb)	mg/Kg	<5.0	57.300				5.500		
Mercury (Hg)	mg/Kg	<.025	*0.003*				0.042		
Selenium (Se)	mg/Kg	<5.0	*2.600*				0.010		

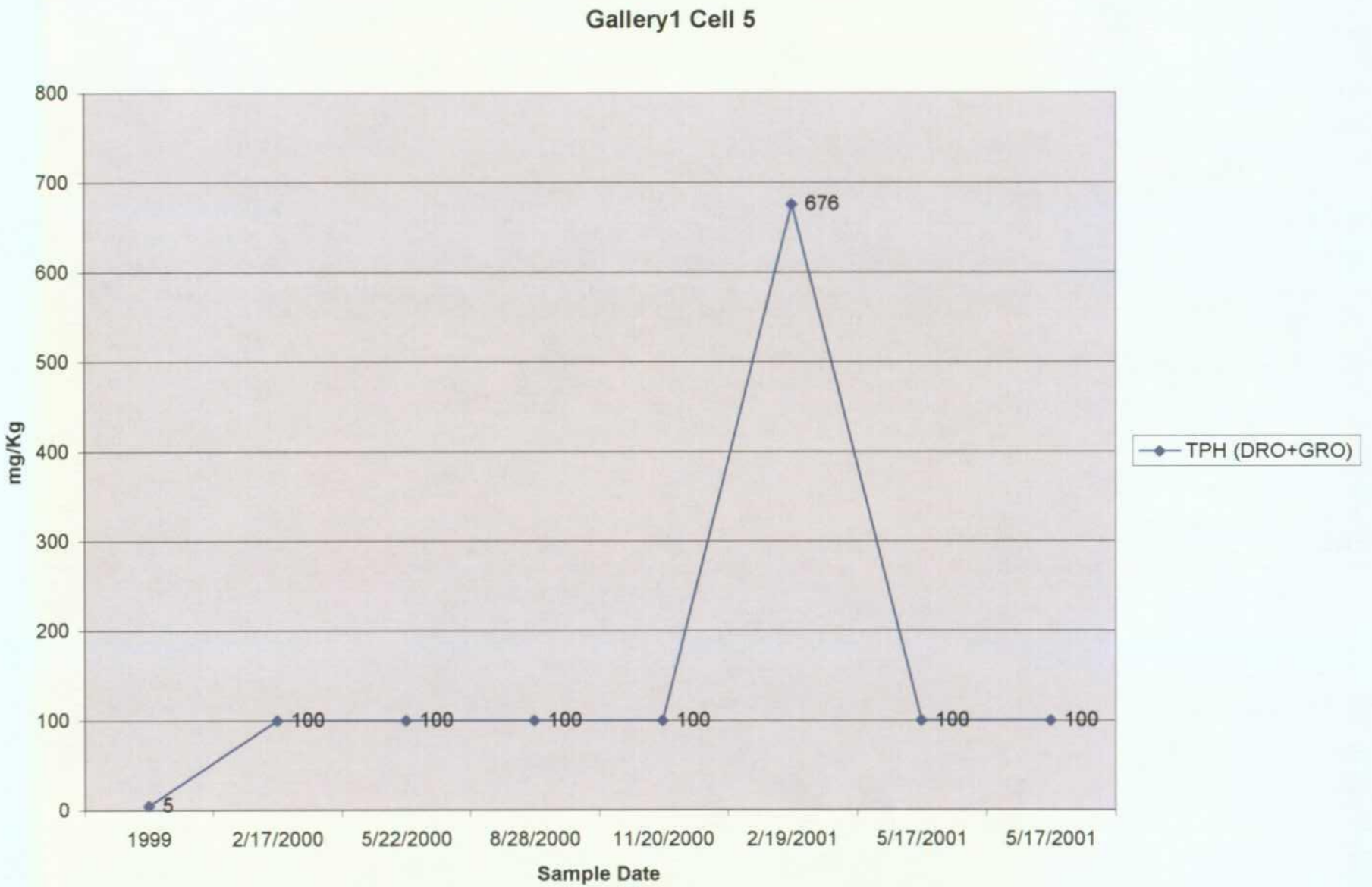
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery1 Cell 5
800
700
600
500
400
300
200
100
0
mg/Kg
676
100
100
100
100
100
100
100
5
1999
2/17/2000
5/22/2000
8/28/2000
11/20/2000
2/19/2001
5/17/2001
5/17/2001
Sample Date
TPH (DRO+GRO)

Texaco Landfarm: Gallery 1 Cell 6

Annual and Quarterly Data Summary

Parameter	Units	1999	5/22/2000	8/28/2000	8/28/2000	11/20/2000	2/19/2001	5/17/2001		
		Initial	S00522G1C6TZ1B	S00828G1C6TZ3Q	S00828G1C6LZ	S001120G1C64QTZ	S21901G1C6TZA	S51701G1C6TZ		
		Background	Quarterly/TZ	Quarterly/TZ	Lift Zone Check	Quarterly/TZ	Annual/TZ	Quarterly/TZ		
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*	*50*	117	50		
TPH (DRO)[2]	mg/Kg	na	50	*136*	*3620*	*50*	4220	57.2		
TPH (DRO+GRO)	mg/Kg	5	100	186	3670	100	4337	107.2		
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.005	0.005		
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.009	0.005		
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*	0.054	0.005		
Total Xylene	mg/Kg	0.05	*0.015*	*0.015*	*0.016*	*0.150*	0.571	0.015		
BTEX[4]	mg/Kg	0.2	0.030	0.030	0.031	0.165	0.639	0.030		
Potassium (K)	mg/Kg	39.0					33			
Magnesium (Mg)	mg/Kg	49.0					46			
Calcium (Ca)	mg/Kg	800.0					206			
Sodium (Na)	mg/Kg	5.1					841			
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0			566		1178			
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0					300			
Bicarbonate (HCO_3)	mg/Kg	3500					341			
Carbonate (CO_3)	mg/Kg	80.0					0			
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na					280			
Conductivity	mmhos/cm	na					4488			
pH	SU	na					7.5			
Arsenic (As)	mg/Kg	<5.0					2.470			
Silver (Ag)	mg/Kg	<5.0					2.250			
Barim (Ba)	mg/Kg	45.0					76.600			
Cadmium (Cd)	mg/Kg	<2.0					1.000			
Chromium (Cr)	mg/Kg	6.1					2.450			
Lead (Pb)	mg/Kg	<5.0					8.850			
Mercury (Hg)	mg/Kg	<.025					0.020			
Selenium (Se)	mg/Kg	<5.0					0.118			

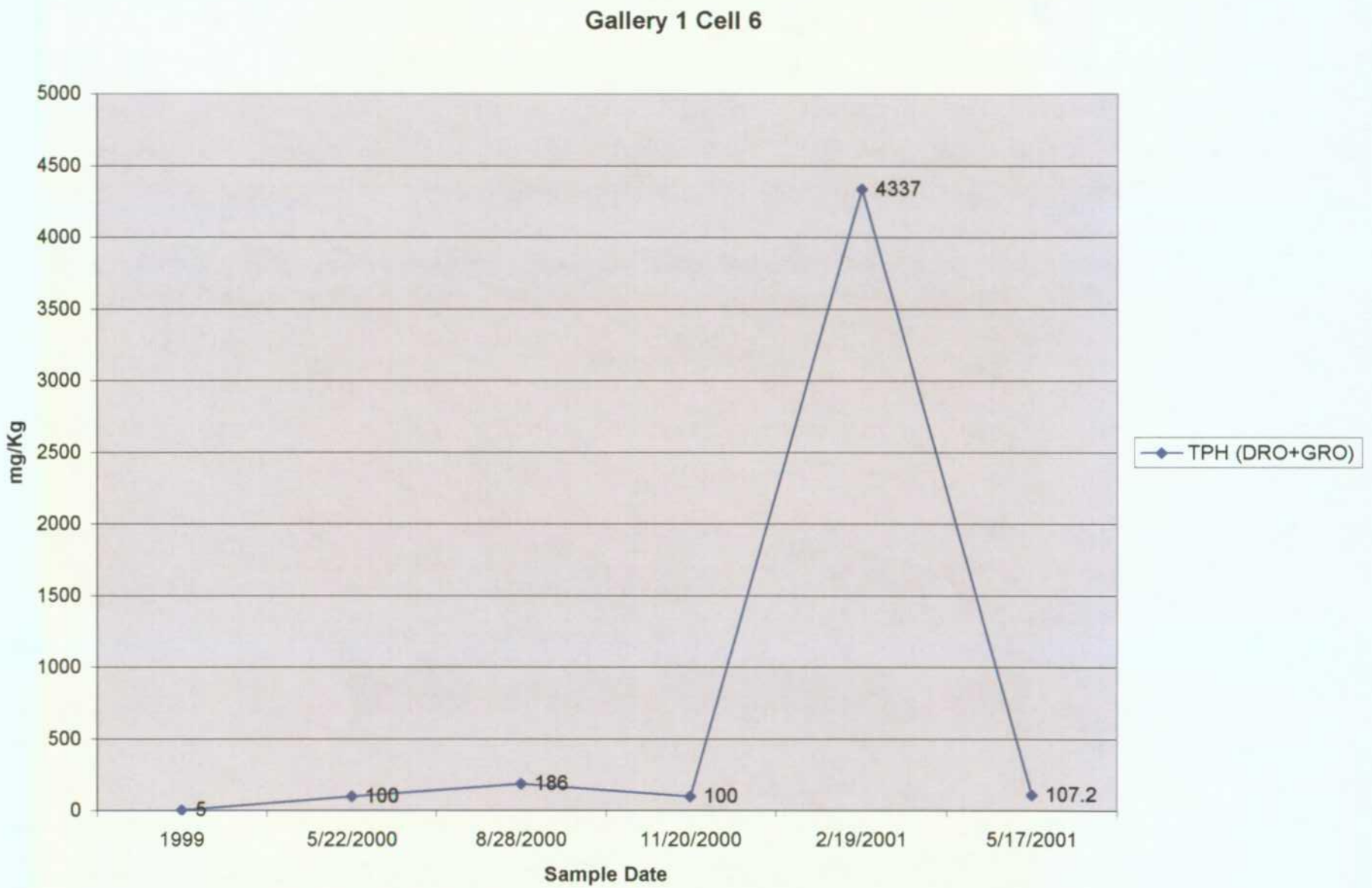
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery 1 Cell 6
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
mg/Kg
4337
5
100
186
100
107.2
1999
5/22/2000
8/28/2000
11/20/2000
2/19/2001
5/17/2001
Sample Date
TPH (DRO+GRO)

Texaco Landfarm: Gallery 1 Cell 7

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	8/28/2000 S00828G1C7TZ3Q Quarterly/TZ	11/20/2000 S001120G1C74QTZ Quarterly/TZ	2/19/2001 S21901G1C7TZA Annual/TZ	5/17/2001 S51701G1C7TZ Quarterly/TZ				
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*	*50*				
TPH (DRO)[2]	mg/Kg	na	50	*50*	*420*	*50*				
TPH (DRO+GRO)	mg/Kg	5	100	100	470	100				
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*				
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*				
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*	*0.005*				
Total Xylene	mg/Kg	0.05	*0.015*	*0.150*	*0.015*	*0.015*				
BTEX[4]	mg/Kg	0.2	0.030	0.165	0.030	0.030				
Potassium (K)	mg/Kg	39.0			44					
Magnesium (Mg)	mg/Kg	49.0			87					
Calcium (Ca)	mg/Kg	800.0			364					
Sodium (Na)	mg/Kg	5.1			975					
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0			2082					
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0			60					
Bicarbonate (HCO_3)	mg/Kg	3500			205					
Carbonate (CO_3)	mg/Kg	80.0			0					
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na			168					
Conductivity	mmhos/cm	na			7980					
pH	SU	na			7.45					
Arsenic (As)	mg/Kg	<5.0			0.577					
Silver (Ag)	mg/Kg	<5.0			1.460					
Barim (Ba)	mg/Kg	45.0			138.000					
Cadmium (Cd)	mg/Kg	<2.0			1.000					
Chromium (Cr)	mg/Kg	6.1			3.800					
Lead (Pb)	mg/Kg	<5.0			1.300					
Mercury (Hg)	mg/Kg	<.025			0.029					
Selenium (Se)	mg/Kg	<5.0			0.010					

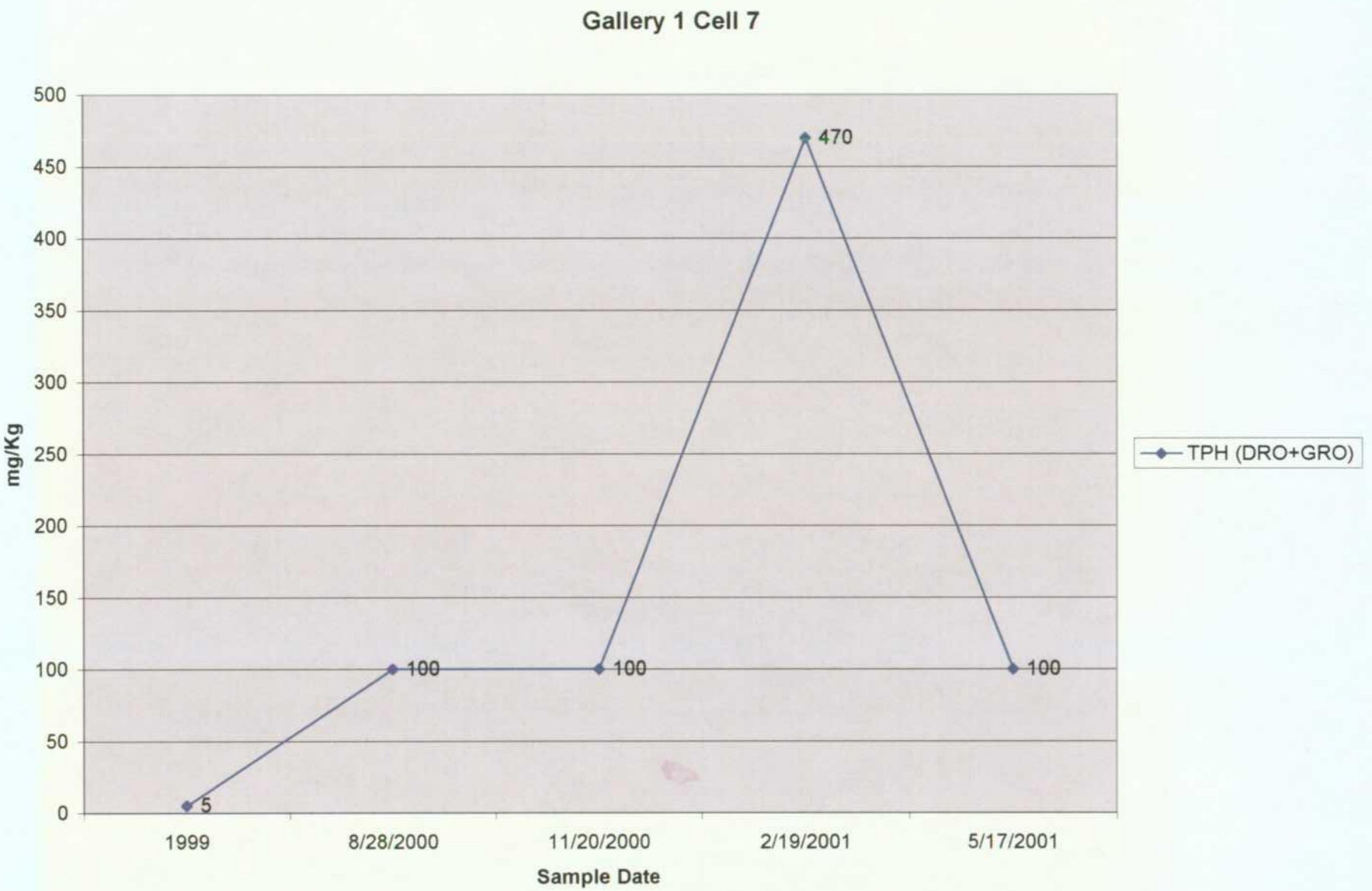
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery 1 Cell 7
500
450
400
350
300
250
200
150
100
50
0
mg/Kg
470
100
100
100
5
1999
8/28/2000
11/20/2000
2/19/2001
5/17/2001
Sample Date
TPH (DRO+GRO)

Texaco Landfarm: Gallery 1 Cell 8

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	11/20/2000 S001120G1C84QTZ Quarterly/TZ	2/19/2001 S21901G1C8TZA Annual/TZ	5/17/2001 S51701G1C8TZ Quarterly/TZ					
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*					
TPH (DRO)[2]	mg/Kg	na	50	*468*	*50*					
TPH (DRO+GRO)	mg/Kg	5	100	518	100					
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*					
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*					
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*					
Total Xylene	mg/Kg	0.05	*0.150*	*0.015*	*0.015*					
BTEX[4]	mg/Kg	0.2	0.165	0.030	0.030					
Potassium (K)	mg/Kg	39.0		21						
Magnesium (Mg)	mg/Kg	49.0		25						
Calcium (Ca)	mg/Kg	800.0		144						
Sodium (Na)	mg/Kg	5.1		373						
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0		196						
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0		96						
Bicarbonate (HCO_3)	mg/Kg	3500		409						
Carbonate (CO_3)	mg/Kg	80.0		0						
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na		336						
Conductivity	mmhos/cm	na		2544						
pH	SU	na		7.85						
Arsenic (As)	mg/Kg	<5.0		1.120						
Silver (Ag)	mg/Kg	<5.0		1.460						
Barim (Ba)	mg/Kg	45.0		150.000						
Cadmium (Cd)	mg/Kg	<2.0		1.000						
Chromium (Cr)	mg/Kg	6.1		5.450						
Lead (Pb)	mg/Kg	<5.0		1.650						
Mercury (Hg)	mg/Kg	<.025		0.020						
Selenium (Se)	mg/Kg	<5.0		0.010						

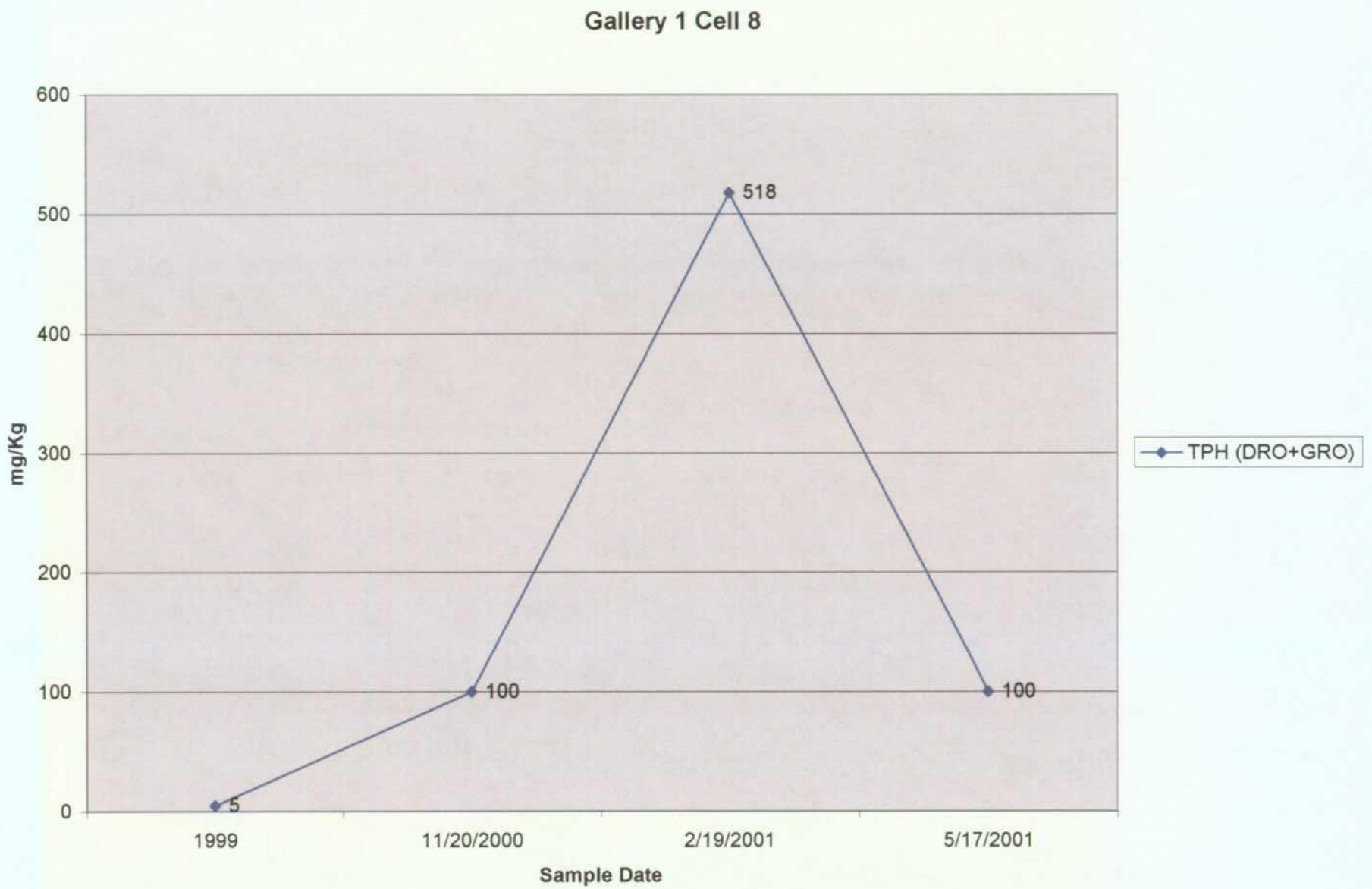
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery 1 Cell 8
600
500
400
300
200
100
0
mg/Kg
518
100
100
5
1999
11/20/2000
2/19/2001
5/17/2001
Sample Date
TPH (DRO+GRO)

Texaco Landfarm: Gallery 2 Cell 9

Annual and Quarterly Data Summary

Parameter	Units	1999 Initial Background	11/20/2000 S001120G2C94QTZ Quarterly/TZ	2/19/2001 S21901G1C9TZA Annual/TZ	5/17/2001 S51701G1C9TZ Quarterly/TZ					
TPH (GRO)[1]	mg/Kg	*5.0*[3]	*50*	*50*	*50*					
TPH (DRO)[2]	mg/Kg	na	50	*73.8*	*50*					
TPH (DRO+GRO)	mg/Kg	5	100	123.8	100					
Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*					
Toluene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*					
Ethyl Benzene	mg/Kg	0.05	*0.005*	*0.005*	*0.005*					
Total Xylene	mg/Kg	0.05	*0.150*	*0.015*	*0.015*					
BTEX[4]	mg/Kg	0.2	0.165	0.030	0.030					
Potassium (K)	mg/Kg	39.0		14						
Magnesium (Mg)	mg/Kg	49.0		8						
Calcium (Ca)	mg/Kg	800.0		75						
Sodium (Na)	mg/Kg	5.1		326						
Fluoride (F)	mg/Kg	1.7								
Chloride (Cl)	mg/Kg	10.0		157						
Nitrate (NO_3)	mg/Kg	2.2								
Sulfate (SO_4)	mg/Kg	15.0		28						
Bicarbonate (HCO_3)	mg/Kg	3500		841						
Carbonate (CO_3)	mg/Kg	80.0		0						
T-Alkalinity ($mgCaCO_3/Kg$)	mg/Kg	na		690						
Conductivity	mmhos/cm	na		736						
pH	SU	na		8.12						
Arsenic (As)	mg/Kg	<5.0		1.180						
Silver (Ag)	mg/Kg	<5.0		1.500						
Barim (Ba)	mg/Kg	45.0		155.000						
Cadmium (Cd)	mg/Kg	<2.0		1.000						
Chromium (Cr)	mg/Kg	6.1		5.450						
Lead (Pb)	mg/Kg	<5.0		3.200						
Mercury (Hg)	mg/Kg	<.025		0.020						
Selenium (Se)	mg/Kg	<5.0		0.420						

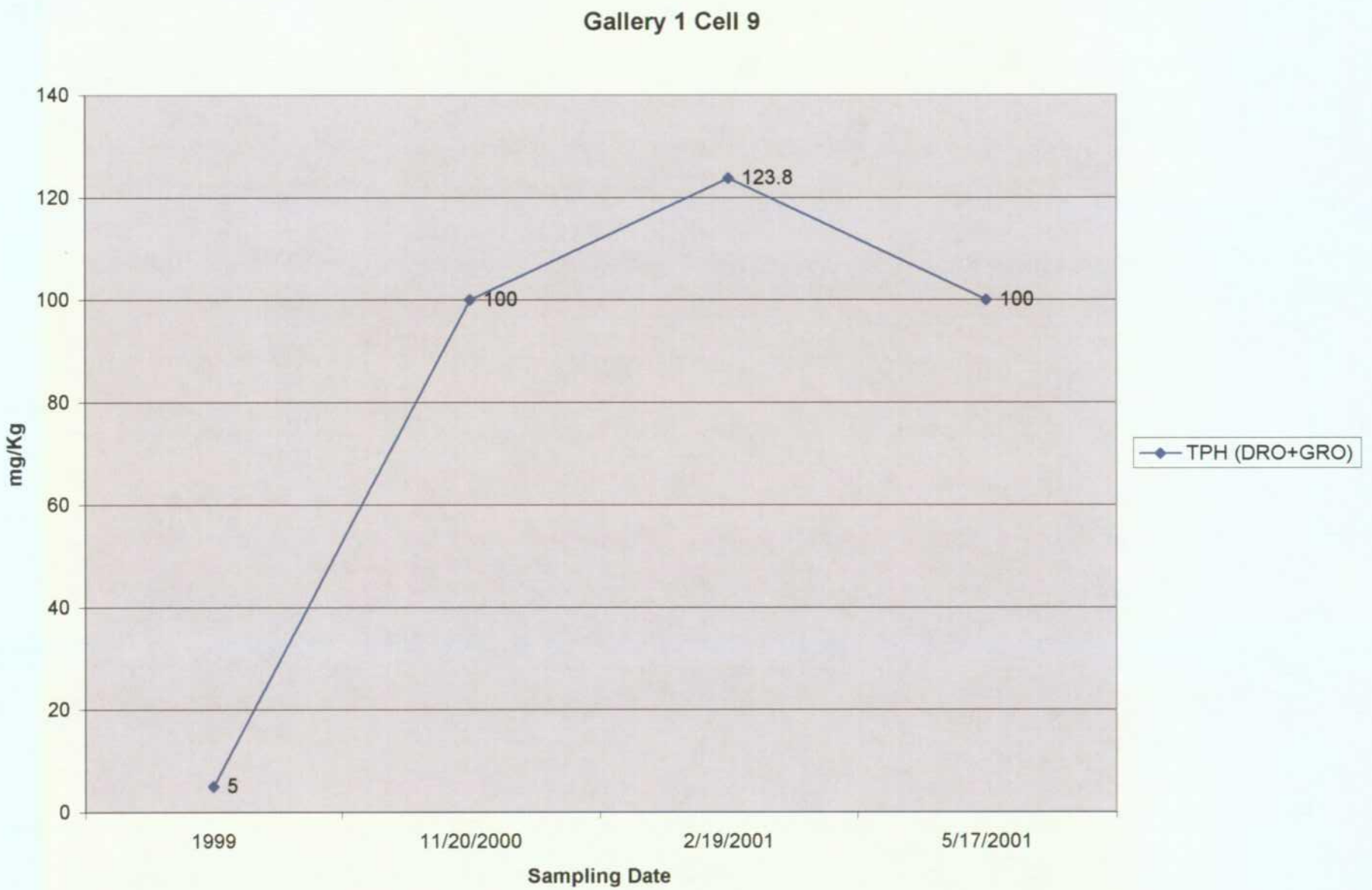
[1]GRO - Gasoline Range Organics

[2]DRO - Diesel Range Organics

[3]Italicized values are reported as "less than (<) the instrument detection limit."

[4] *BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene. Less than values are considered "de minimus" and included in the sum.*

Less than values are considered "de minimus" and are included in the BTEX and GRO+DRO values.


Gallery 1 Cell 9
140
120
100
80
60
40
20
0
mg/Kg
123.8
100
100
5
1999
11/20/2000
2/19/2001
5/17/2001
Sampling Date
TPH (DRO+GRO)

Attachment III: Inspection Reports

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 7.10.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk Cells 1-6 Grub 9+13 Gallery 2 Push Piles 4-7
Date: 7.17.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles 6-7+4 Grub 9+13
Date: 7.24.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk 1-6 Push 4+7
Date: 7.30.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push 4+7
Date: 8.3.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push 4+7 Disk 1-7
Date: 8.7.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push 4+7
Date: 8.14.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk [redacted] 1-7 Push [redacted] 7
Date: 8.21.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push 7
Date: 8.28.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Sample 1-7 (TZ) + Lifts 1, 2+6 (LZ) Disk 1-7 Push 7
Date: 9.5.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Shred Soil Push Piles
Date: 9.11.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Shred rocky soil Push Piles Cell 4
Date: 9.18.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☐ All OK ☑ 6 Berm (Needs Repair)	Rain Event. No standing Water Push Piles Repair Berm
Date: 4.26.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk 2+3+4+6 Repair Road-Haul Rock Push Piles With Road
Date: 10.2.00 Inspector: PMcCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	out RO Way for Fence Push Piles Work Berms

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 10-9-00 Inspector: Pat McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Clean/Move Brush Berms + Gate Build Fence + Roads
Date: 10-16-00 Inspector: Pat McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Caliche Disk cells 4+3 move Brush Push Piles
Date: 10-23-00 Inspector: P. McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☐ All OK ☑ 5+6 Berm Needs Repair	Disk cell 5TH NO Standing Push Piles Water Repair Berms
Date: 10-30-00 Inspector: P. McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk cell 1 Push Piles
Date: 11-6-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Disk 8
Date: 11-13-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Clean debris from #5 Push Piles Disk 6
Date: 11-17-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Disk 9
Date: 11-21-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk 4-5 Push Piles
Date: 11-27-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Disk 7-8
Date: 12-5-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Disk-1-2-3
Date: 12-11-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk 1-2-3 Push Piles
Date: 12-18-00 Inspector: Pat McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 12-29-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: ____ Inspector: ____	☐ All OK ☐ ~~Fence/Gate/Sign~~ Needs Repair	☐ All OK ☐ ____ Road Needs Repair	☐ All OK ☐ ____ Berm Needs Repair	

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 1.2.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 1.9.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub cell 10
Date: 1.15.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub cell 10
Date: 1.23.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub cell 11 snow
Date: 1.30.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub cell 11
Date: 2.5.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Berm Cell Bally II
Date: 2.13.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 2.19.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub Brush G2C12 Build Berm G2C11
Date: 2.26.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub Brush G2C12 Build Berms
Date: 3.6.01 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub Brush G2C12
Date: 3.12.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub Survey Layout
Date: 3.21.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☐ All OK ☑ C 13 Berm Needs ~~Repair~~ To be Heightened	Entrance to 12 need to be heightened Till Grub 14 15 To Start new Caliche Pit South of NORM Yard
Date: 3.26.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 4.3.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 4.13.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Till
Date: 4.16.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Grub ~~[illegible]~~ Till
Date: 4.23.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push piles Till Grub
Date: 5.1.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push, Grub Till
Date: 5/15.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push, Grub, +Till Sample
Date: 5.23.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push, Grub, + Till
Date: 5.29.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles
Date: 6.6.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	NMOCD Inspection Push Piles
Date: 6.13.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Till Push Piles
Date: 6.11.01 Inspector: [signature]	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Till Grub Galley 3 Push Piles
Date: ______ Inspector: ______	☐ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ ____ Road Needs Repair	☐ All OK ☐ ____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ ____ Road Needs Repair	☐ All OK ☐ ____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ ____ Road Needs Repair	☐ All OK ☐ ____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ ____ Road Needs Repair	☐ All OK ☐ ____ Berm Needs Repair	

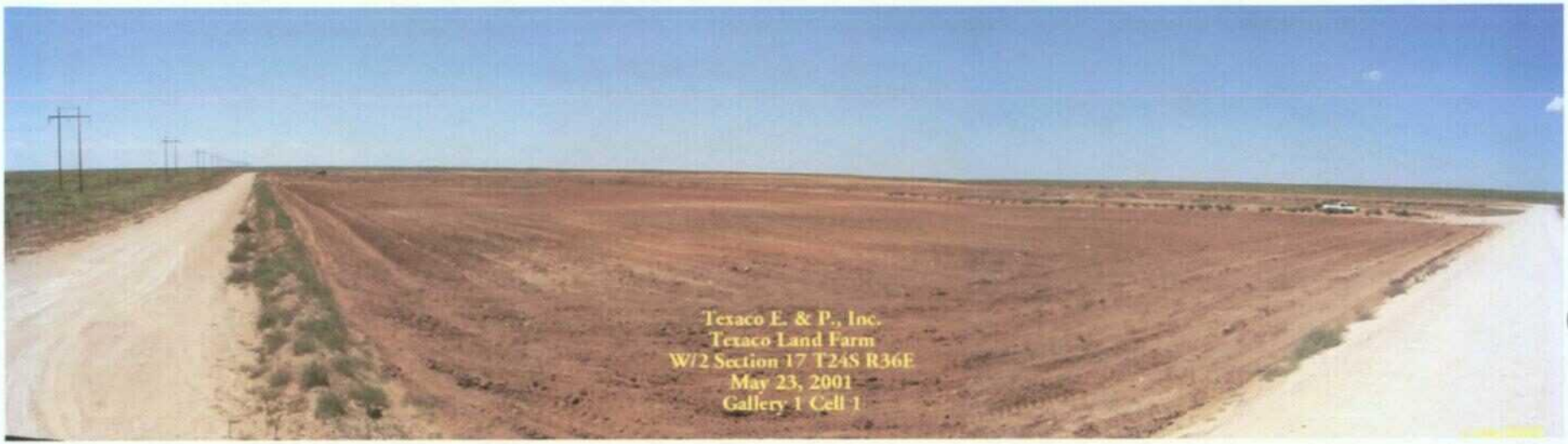
Attachment IV: Photographs


TEXACO E & P, INC.
LANDFARM
8/28/2000 8:16am

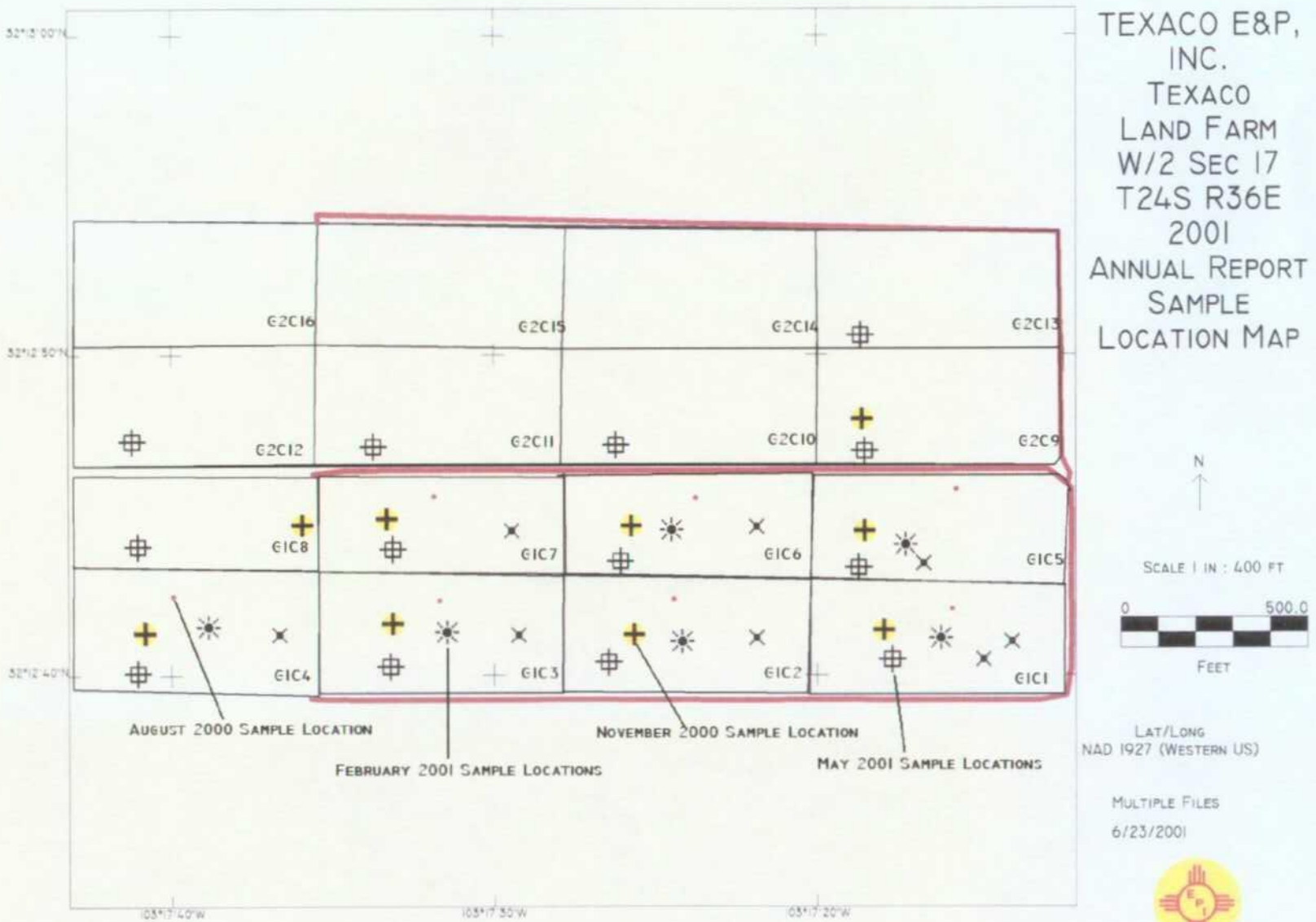

12/19/2000 12:25pm

Looking Northwest from the southeast corner of Gallery 1 Cell 1

Looking Southeast from Gallery 2 Cell 15


Texaco E. & P., Inc.
Texaco Land Farm
W/2 Section 17 T24S R36E
May 23, 2001
Gallery 1 Cell 1

Attachment V: Site Map



TEXACO E&P, INC.
TEXACO LAND FARM W/2 SEC 17 T24S R36E 2001 ANNUAL REPORT SAMPLE LOCATION MAP

N

SCALE 1 IN : 400 FT

0 500.0

FEET

LAT/LONG
NAD 1927 (WESTERN US)

MULTIPLE FILES

6/23/2001

Hobbs Operating Unit

Texaco Exploration and Production Inc.
P.O. Box 3109
Midland, Texas 79702
915 688-4100 tel
915 688-4751 fax

Date: July 28, 2000

Martyne J. Kieling
Environmental Geologist
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 south Pacheco Street
Santa Fe, New Mexico 87505

Re: Texaco Landfarm annual Report

Dear Mrs. Kieling

Attached is Texaco's Annual Landfarm Report for 2000. If you have any questions please call me at 915-688-2971.

Sincerely

Rodney Bailey
SH&E Coordinator
Hobbs OU
Texaco

Check Metals Again in 2001

Next year
RCRA METALS
Totals 55 ppm ≠2.75 TCLP 2000 ?

Background ~~8~~ ppm ~~bb~~ 1998
L5.0

MJK 8-2-00

TEXACO E & P, INC.

TEXACO LANDFARM
(TLF)
W/2 S17, T24S, R36E, NMPM
LEA COUNTY, NEW MEXICO

ANNUAL REPORT FOR 2000

July 27, 2000

Prepared by

Environmental Plus, Inc.
1324 North Main Street
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601

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1 TEXACO LAND FARM ANNUAL SUMMARY REPORT

The Texaco Land Farm (TLF) began accepting exempt oil field wastes generated by Texaco E. & P., Inc. in September 1999. In accordance with the permit stipulations, Treatment Zone sampling was conducted on February 17, 2000, 6 months after initial waste emplacement. In addition to Total Petroleum Hydrocarbon and BTEX compounds, the active cells were also sampled for the RCRA metals and general chemistry parameters, which the permit requires to be done annually. The second sample round occurred on May 22, 2000.

1.1 Data Summary

The original laboratory data reports are included in Attachment I and are summarized in Attachment II.

1.1.1 February 17, 2000 Annual Sampling

Active cells, i.e., 1, 2, & 5, were sampled on February 17, 2000 and analyzed according to the annual analytical suite that includes the RCRA metals and general chemistry parameters. The cell 1 and cell 2 Diesel Range Organic values were elevated and probably due to contamination during sampling with the overlaying contaminated soil.

1.1.2 May 22, 2000 Quarterly Sampling

Active cells at this quarterly sampling were 1, 2, 3, 5, & 6. All TPH and BTEX data were below detection limits.

1.2 Inspection Documentation

The weekly inspection records are included in Attachment III.

1.3 Photographs

Photographs are included in Attachment IV.

1.4 Site Map

Sample locations are illustrated on the site map included in Attachment V.

1.5 Discussion

There have been no off-site releases from the facility and treatment zone data indicates contaminated soil has not migrated into the subsurface. Lift sampling is contemplated after one year of tilling and disking.

Attachment I: Original Laboratory Reports

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
205 E. BENDER
HOBBS, NM 88240
FAX TO: (505) 397-0450

Receiving Date: 02/17/00
Reporting Date: 02/18/00
Project Number: 820 (TEXACO E&P)
Project Name: TEXACO LAND FARM 1A
Project Location: W/2 S12, T24S, R36E

Sampling Date: 02/17/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (u mhos/cm)	T-Alkalinity (mg$CaCO_3$/Kg)
ANALYSIS DATE:		02/18/00	02/18/00	02/18/00	02/18/00	02/18/00	02/18/00
H4654-1	S00217GIC1TZIA	643	115	31	22	121	1520
H4654-2	S00217GIC5TZIA	662	77	54	16	129	1600
H4654-3	S00217GIC2TZIA	99	45	23	7	108	192
Quality Control		NR	48	49	5.00	1392	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	96	98	100	98.5	NR
Relative Percent Difference		NR	8.3	1.2	0.8	0.2	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)	SO_4 (mg/Kg)	CO_3 (mg/Kg)	HCO_3 (mg/Kg)	pH (s.u.)
ANALYSIS DATE:		02/18/00	02/18/00	02/18/00	02/18/00	02/18/00
H4654-1	S00217GIC1TZIA	96	178	211	1425	8.38
H4654-2	S00217GIC5TZIA	80	155	154	1640	8.32
H4654-3	S00217GIC2TZIA	112	79	96	39	8.49
Quality Control		910	48.63	NR	971	7.02
True Value QC		1000	50.00	NR	1000	7.00
% Recovery		91	97	NR	97	100
Relative Percent Difference		1.4	2.9	NR	-	0.3
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

2/18/00
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
205 E. BENDER
HOBBS, NM 88240
FAX TO: (505) 397-0450

Receiving Date: 02/17/00
Reporting Date: 02/25/00
Project Number: 820 (TEXACO E&P)
Project Name: TEXACO LAND FARM 1A
Project Location: W/2 S12, T24S, R36E

Sampling Date: 02/17/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/25/00	02/22/00
H4654-1	S00217GIC1TZIA	1.90	4.60	<5	9.70	0.70	55.6	0.009	2.65
H4654-2	S00217GIC5TZIA	1.65	4.85	<5	10.40	0.30	57.3	0.003	2.60
H4654-3	S00217GIC2TZIA	1.20	3.55	<5	9.00	0.15	44.4	0.005	0.30
Quality Control		0.198	4.744	23.43	1.015	4.875	1.055	0.0075	0.053
True Value QC		0.200	5.000	25.00	1.000	5.000	1.000	0.0080	0.050
% Recovery		99	95	94	102	98	106	94	106
Relative Percent Difference		6.3	0.7	12.9	0.3	0.6	3.0	6.7	0.7
METHODS: EPA 600/4-79-020		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS:	SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Amy Hill
Chemist

2/25/00
Date

H4654M.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
205 E. BENDER
HOBBS, NM 88240
FAX TO: (505) 397-0450

Receiving Date: 02/17/00
Reporting Date: 02/18/00
Project Number: 820 (TEXACO E&P)
Project Name: TEXACO LAND FARM 1A
Project Location: W/2 S12, T24S, R36E

Sampling Date: 02/17/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		02/17/00	02/17/00	02/17/00	02/17/00	02/17/00	02/17/00
H4654-1	S00217GIC1TZIA	<50	154	<0.005	<0.005	<0.005	<0.015
H4654-2	S00217GIC5TZIA	<50	<50	<0.005	<0.005	<0.005	<0.015
H4654-3	S00217GIC2TZIA	<50	164	<0.005	0.011	0.018	0.033
Quality Control		920	975	0.100	0.104	0.101	0.303
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		92.0	97.5	99.8	104	101	101
Relative Percent Difference		7.9	6.3	0.8	5.0	1.5	1.9

METHODS: TPH(GRO & DRO) - EPA SW-846 8015 M; BTEX/MTBE-EPA SW-846 8260

Burgess A. Cooke, Ph. D.

2/18/00
Date

H4654BT.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TEXACO E&P, INC.
ATTN: RODNEY BAILEY
205 E. BENDER
HOBBS, NM 88240
FAX TO:

Receiving Date: 05/23/00
Reporting Date: 05/24/00
Project Number: NOT GIVEN
Project Name: TEXACO LAND FARM
Project Location: TEXACO LAND FARM SECOND SAMPLE

Sampling Date: 05/22/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		05/23/00	05/23/00	05/23/00	05/23/00	05/23/00	05/23/00
H4902-1	S00522G1C1TZ1B	<50	<50	<0.005	<0.005	<0.005	<0.015
H4902-2	S00522G1C2TZ1B	<50	<50	<0.005	<0.005	<0.005	<0.015
H4902-3	S00522G1C3TZ1B	<50	<50	<0.005	<0.005	<0.005	<0.015
H4902-4	S00522G1C5TZ1B	<50	<50	<0.005	<0.005	<0.005	<0.015
H4902-5	S00522G1C6TZ1B	<50	<50	<0.005	<0.005	<0.005	<0.015
Quality Control		927	931	0.086	0.092	0.091	0.270
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		92.7	93.1	86.4	92.0	91.1	90.1
Relative Percent Difference		6.8	7.8	3.8	2.6	1.9	2.2

METHODS: TPH(GRO & DRO) - EPA SW-846 8015 M; BTEX/MTBE-EPA SW-846 8260

Burgess J. A. Cooke. Ph. D.

5/24/00
Date

H4902.XLS

Attachment II: Data Summary

Texaco Landfarm: Gallery 1 Cell 1

Annual and Quarterly Data Summary

Parameter	Units	1998 Initial Background	02/17/2000 S00217G1C1TZ1A Annual/TZ	05/22/2000 S00522G1C1TZ1B Quarterly/TZ
TPH (GRO)	mg/Kg	<5.00	<50	<50
TPH (DRO)	mg/Kg	na	154	<50
TPH (DRO+GRO)	mg/Kg	<5.00	154	<50
Benzene	mg/Kg	<0.05	<0.005	<0.005
Toluene	mg/Kg	<0.05	<0.005	<0.005
Ethyl Benzene	mg/Kg	<0.05	<0.005	<0.005
Xylene	mg/Kg	<0.05	<0.015	<0.015
BTEX	mg/Kg	<0.05	<0.015	<0.015
K	mg/Kg	39.0	22	
Mg	mg/Kg	49.0	31	
Ca	mg/Kg	800.0	115	
Na	mg/Kg	5.1	643	
F	mg/Kg	1.7	na	
Cl	mg/Kg	10.0	96	
NO3	mg/Kg	2.2	na	
SO4	mg/Kg	15.0	178	
HCO3	mg/Kg	3500	1425	
CO3	mg/Kg	80.0	211	
T-Alkalinity (mgCaCO3/Kg)	mg/Kg	na	1520	
Conductivity	mmhos/cm	na	121	
pH	SU	na	8.38	
As	mg/Kg	<5.0	1.9	
Se	mg/Kg	<5.0	2.65	
Cd	mg/Kg	<2.0	9.7	
Cr	mg/Kg	6.1	0.7	
Pb	mg/Kg	<5.0	55.6	
Ag	mg/Kg	<5.0	4.6	
Ba	mg/Kg	45.0	<5	
Hg	mg/Kg	<.025	0.009	

Texaco Landfarm: Gallery 1 Cell 2

Annual and Quarterly Data Summary

Parameter	Units	1998 Initial Background	02/17/2000 S00217G1C2TZ1A Annual/TZ	05/22/2000 S00522G1C2TZ1B Quarterly/TZ
TPH (GRO)	mg/Kg	<5.00	<50	<50
TPH (DRO)	mg/Kg	na	<50	<50
TPH (DRO+GRO)	mg/Kg	<5.00	<50	<50
Benzene	mg/Kg	<0.05	<0.005	<0.005
Toluene	mg/Kg	<0.05	<0.005	<0.005
Ethyl Benzene	mg/Kg	<0.05	<0.005	<0.005
Xylene	mg/Kg	<0.05	<0.015	<0.015
BTEX	mg/Kg	<0.05	<0.015	<0.015
K	mg/Kg	39.0	7	
Mg	mg/Kg	49.0	23	
Ca	mg/Kg	800.0	45	
Na	mg/Kg	5.1	99	
F	mg/Kg	1.7	na	
Cl	mg/Kg	10.0	112	
NO3	mg/Kg	2.2	na	
SO4	mg/Kg	15.0	79	
HCO3	mg/Kg	3500	39	
CO3	mg/Kg	80.0	96	
T-Alkalinity (mgCaCO3/Kg)	mg/Kg	na	192	
Conductivity	mmhos/cm	na	108	
pH	SU	na	8.49	
As	mg/Kg	<5.0	1.2	
Se	mg/Kg	<5.0	0.3	
Cd	mg/Kg	<2.0	9	
Cr	mg/Kg	6.1	0.15	
Pb	mg/Kg	<5.0	44.4	
Ag	mg/Kg	<5.0	3.55	
Ba	mg/Kg	45.0	<5	
Hg	mg/Kg	<.025	0.005	

Texaco Landfarm: Gallery 1 Cell 3

Annual and Quarterly Data Summary

Parameter	Units	1998 Initial Background	05/22/2000 S00522G1C3TZ1B Quarterly/TZ	
TPH (GRO)	mg/Kg	<5.00	<50	
TPH (DRO)	mg/Kg	na	<50	
TPH (DRO+GRO)	mg/Kg	<5.00	<50	
Benzene	mg/Kg	<0.05	<0.005	
Toluene	mg/Kg	<0.05	<0.005	
Ethyl Benzene	mg/Kg	<0.05	<0.005	
Xylene	mg/Kg	<0.05	<0.015	
BTEX	mg/Kg	<0.05	<0.015	
K	mg/Kg	39.0		
Mg	mg/Kg	49.0		
Ca	mg/Kg	800.0		
Na	mg/Kg	5.1		
F	mg/Kg	1.7		
Cl	mg/Kg	10.0		
NO3	mg/Kg	2.2		
SO4	mg/Kg	15.0		
HCO3	mg/Kg	3500		
CO3	mg/Kg	80.0		
T-Alkalinity (mgCaCO3/Kg)	mg/Kg	na		
Conductivity	mmhos/cm	na		
pH	SU	na		
As	mg/Kg	<5.0		
Se	mg/Kg	<5.0		
Cd	mg/Kg	<2.0		
Cr	mg/Kg	6.1		
Pb	mg/Kg	<5.0		
Ag	mg/Kg	<5.0		
Ba	mg/Kg	45.0		
Hg	mg/Kg	<.025		

Texaco Landfarm: Gallery 1 Cell 5				
Annual and Quarterly Data Summary				
Parameter	Units	1998	02/17/2000	05/22/2000
		Initial	S00217G1C5TZ1A	S00522G1C5TZ1B
		Background	Annual/TZ	Quarterly/TZ
TPH (GRO)	mg/Kg	<5.00	<50	<50
TPH (DRO)	mg/Kg	na	<50	<50
TPH (DRO+GRO)	mg/Kg	<5.00	<50	<50
Benzene	mg/Kg	<0.05	<0.005	<0.005
Toluene	mg/Kg	<0.05	<0.005	<0.005
Ethyl Benzene	mg/Kg	<0.05	<0.005	<0.005
Xylene	mg/Kg	<0.05	<0.015	<0.015
BTEX	mg/Kg	<0.05	<0.015	<0.015
K	mg/Kg	39.0	16	
Mg	mg/Kg	49.0	54	
Ca	mg/Kg	800.0	77	
Na	mg/Kg	5.1	662	
F	mg/Kg	1.7	na	
Cl	mg/Kg	10.0	80	
NO3	mg/Kg	2.2	na	
SO4	mg/Kg	15.0	155	
HCO3	mg/Kg	3500	1640	
CO3	mg/Kg	80.0	154	
T-Alkalinity (mgCaCO3/Kg)	mg/Kg	na	1600	
Conductivity	mmhos/cm	na	129	
pH	SU	na	8.32	
As	mg/Kg	<5.0	1.65	
Se	mg/Kg	<5.0	2.6	
Cd	mg/Kg	<2.0	10.4	
Cr	mg/Kg	6.1	0.3	
Pb	mg/Kg	<5.0	57.3	
Ag	mg/Kg	<5.0	4.85	
Ba	mg/Kg	45.0	<5	
Hg	mg/Kg	<.025	0.003	

Texaco Landfarm: Gallery 1 Cell 6

Annual and Quarterly Data Summary

Parameter	Units	1998 Initial Background	05/22/2000 S00522G1C6TZ1B Quarterly/TZ	
TPH (GRO)	mg/Kg	<5.00	<50	
TPH (DRO)	mg/Kg	na	<50	
TPH (DRO+GRO)	mg/Kg	<5.00	<50	
Benzene	mg/Kg	<0.05	<0.005	
Toluene	mg/Kg	<0.05	<0.005	
Ethyl Benzene	mg/Kg	<0.05	<0.005	
Xylene	mg/Kg	<0.05	<0.015	
BTEX	mg/Kg	<0.05	<0.015	
K	mg/Kg	39.0		
Mg	mg/Kg	49.0		
Ca	mg/Kg	800.0		
Na	mg/Kg	5.1		
F	mg/Kg	1.7		
Cl	mg/Kg	10.0		
NO3	mg/Kg	2.2		
SO4	mg/Kg	15.0		
HCO3	mg/Kg	3500		
CO3	mg/Kg	80.0		
T-Alkalinity (mgCaCO3/Kg)	mg/Kg	na		
Conductivity	mmhos/cm	na		
pH	SU	na		
As	mg/Kg	<5.0		
Se	mg/Kg	<5.0		
Cd	mg/Kg	<2.0		
Cr	mg/Kg	6.1		
Pb	mg/Kg	<5.0		
Ag	mg/Kg	<5.0		
Ba	mg/Kg	45.0		
Hg	mg/Kg	<.025		

Attachment III: Inspection Reports

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 9.20.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Complete cell #5 fence + Gate + Sign Complete Caliche Pads
Date: 9.27.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	22nd - Shred Spread 23 - Shred 10-2-99 - Spread #1
Date: 10.4.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk cell #1 7th - Water Roads
Date: 10.12.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	
Date: 10.20.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Spread soil
Date: 10.25.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	
Date: 11.2.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Shred 11.2.99 Spread soil Water Roads
Date: 11.8.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Disk Cell #1 17th - Water + maintain Roads Grub Brush Cells 2+6
Date: 11.22.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Grub Brush Cell 2+6 Disk Cell #1 - 11.23.99
Date: 11.30.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Grub Cells 2+6 Layout + Survey Cells Push Piles 12.1.99 2+6 12.1.99 Shred Soil
Date: 12.6.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Move Fence 1+5 Shred Grub 2+6 12.8.99 Disk Cells 1+5
Date: 12.13.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Clear Right of Way 2+6 Take down Interior Fence around 1+5 Push + Disk Cell 1+5
Date: 12.20.99 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Clear Cells 2+6 Cut Roadways Push Berms Cells 2+6 Move North Fence
Date: 12.29.99 Inspector: PWM	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push up Pit Caliche Haul + Spread Caliche Build Roads + Berms 2+6 Water Roads

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 1-3-99 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Building Roads Building Cells 2 + 6 Building Gallery #1 Fence
Date: 1-6-2000 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Filling Cell #1 Building Fence + Roads
Date: 1-12-2000 Inspector: Bill Trull	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Filled Cell # 1 + 5 (1-24-00) working on Cell #2 + 6
Date: 1-25- Inspector: Bill Trull	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	work on Cells 2 + 6 Piles pushed Daily Receiving Soil J.R. Phillips
Date: 1-31 Inspector: Bill Trull	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Receiving Soil J.R. Phillips Pushed Piles Daily
Date: 2-7-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	2-8-00 Push Piles Disk 1, 2, + 5
Date: 2-14-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	2-14/15 - Disk 1, 2, + 5 2-15 - Push Piles cells 1, 2, 5 2-17 - Sample cells 1, 2, 5 2-17 - Push Piles 1, 2, 5
Date: 2-21-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	2-17-00 - Annual Sampling of Cells 1, 2, + 5 Push Piles Cell 2 daily. 2-22-00 - Disk 1, 2, 5
Date: 2-28-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	2-24-00 - Dep Disk 1, 2, 5 Push Piles Daily Cell 2 2-25-00 Dep Disk 1, 2, 5
Date: 3-6-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles cell 2 Smooth Roads Push Piles cell 2
Date: 3-13-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Daily Cell 6 Disk Cells 1, 2, + 5 3-15-00
Date: 3-20-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Daily Cell 6 3-21-00 - Shred soil
Date: 3-22-00 Inspector: P McCasland	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	1.5" to 2.0" Rain 3-22-00 No Roads.
Date: 3-28-00 Inspector:	☑ All OK ☐ ____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ ____ Road Needs Repair	☑ All OK ☐ ____ Berm Needs Repair	Push Piles Cell 6

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E — Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 4.4.00 Inspector: [signature]	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	6&7th Disk & Push Piles cells 1,2,5 & 7.
Date: 4.10.00 Inspector: [signature]	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Pushed Piles #6 4.11.00
Date: 4.17.00 Inspector: PMcCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Push Piles #6-5- Push Berm #3+7 Disk Cells
Date: 4.24.00 Inspector: PMcCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Push Piles - #6 Build Cell #3 Berm + entrance
Date: 5.1.00 Inspector: PWMcCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Build Cell #3 Berm + Entrance 5.4. Disk Cells
Date: 5.8.00 Inspector: Pat McCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK Pulling Trks out of sand [ ] ____ Berm Needs Repair	Finish Berm Cell #3+7 Repair Access Roads
Date: 5.15.00 Inspector: PMcCaslan	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Push Piles 6 Berm + Clean 3+7
Date: 5.23.00 Inspector: PMcCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Push Piles 3+7 Disk
Date: 5.30.00 Inspector: P McCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Push Piles 3+7 Rain Event ~ .5"
Date: 6.5.00 Inspector: Pat McCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Push Piles 3+7 Disk 1,2,~~4~~,~~6~~,5,3,6 Build Roads to Cells 4+8
Date: 6.12.00 Inspector: Pat McCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Build Roads to 4+8 Grub Brush Cell 9 Rain ~ .5" Push Piles 3+7
Date: 6.19.00 Inspector: Pat McCasland	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[ ] All OK [x] Between 6+7 Cell 3 South Berm Needs Repair (circled)	Push Piles Rain ~ 3.0" Water in corners 3 5 + 13 6.20.00 No Water 6.21.00 Grub 9, Contour Roads
Date: 6.26.00 Inspector: [signature]	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Berms repaired Rain ~ 2.0" Berm OK Grub 9 Push Piles 7
Date: 7.5.00 Inspector: [signature]	[x] All OK [ ] ____ Fence/Gate/Sign Needs Repair	[x] All OK [ ] ____ Road Needs Repair	[x] All OK [ ] ____ Berm Needs Repair	Grub 9 & 13 Push Piles Disk 1-6

Texaco Landfarm Weekly Inspection Form

W/2 S17 T24S R36E Permit NM-02-0012

Date/Inspector	Fencing, Entrance Gate/Sign	Access Roads	Berms	Comment
Date: 2.10.00 Inspector: [signature]	☑ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ _____ Road Needs Repair	☑ All OK ☐ _____ Berm Needs Repair	Disk Cells 1-6 Grub 9+13 Gallay 2 Push Piles 4-7
Date: 2/17.00 Inspector: [signature]	☑ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ _____ Road Needs Repair	☑ All OK ☐ _____ Berm Needs Repair	Push Piles 6-7+4 Grub 9+13
Date: 2.24.00 Inspector: [signature]	☑ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☑ All OK ☐ _____ Road Needs Repair	☑ All OK ☐ _____ Berm Needs Repair	Disk 1-6 Push 4+8
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	
Date: ______ Inspector: ______	☐ All OK ☐ _____ Fence/Gate/Sign Needs Repair	☐ All OK ☐ _____ Road Needs Repair	☐ All OK ☐ _____ Berm Needs Repair	

Attachment IV: Photographs


9/22/1999


1/28/2000 2:10pm


TEXACO E&P Landfarm
3/3/2000 2:26pm

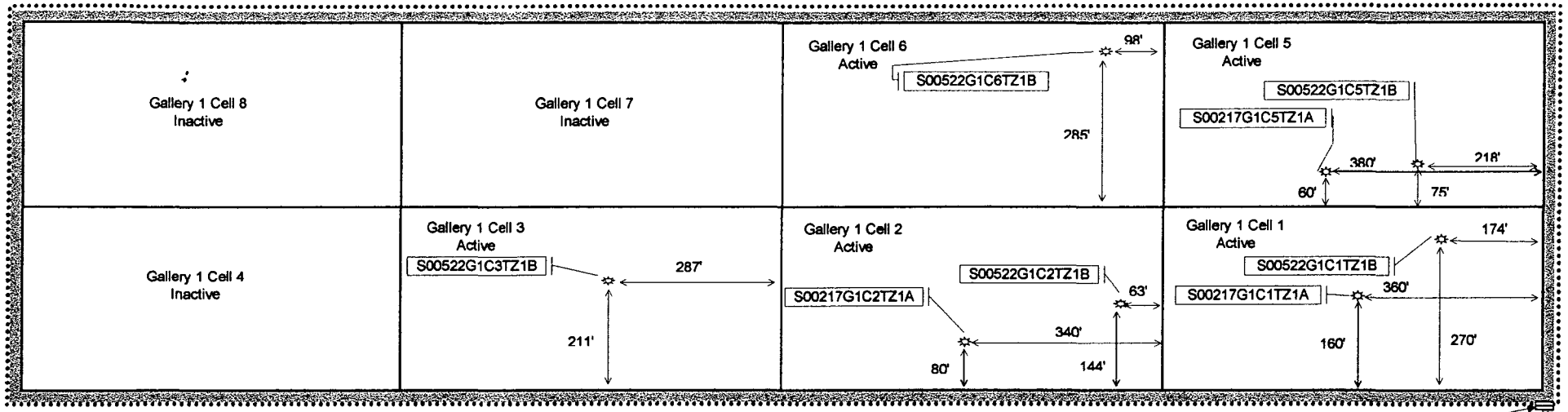

6/20/2000 9:59am

Attachment V: Site Map

Texaco E P, Inc.
Texaco Land Farm Sampling Map

May 22, 2000
Quarterly Sampling
Active Cells: 1, 2, 3, 5, 6

Cells 4, 7, and 8 are inactive and not received waste as of May 22, 2000.



For Treatment and Lift Zone Sampling Purposes, the southeast corner of each cell will be the reference location.

Sample Identification scheme will be as follows:

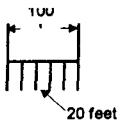
Gallery#, e.g., G1 Cell#, e.g., C1 Media: Soil = S Year/month/day, e.g., 00217

Description: *Treatment Zone will be sampled at the 2-3' interval=TZ*; Lift Zone will be a composite of samples within the cell from the surface to 1' interval = LZ

Treatment Zone Sampling - Event # and Compliance sample frequency (Annual=A or Quarterly=B, C, etc.) e.g.,1A, 2B, etc.

Lift Zone Sampling Cell # Lift zone sampling and sample type, e.g., Cell 1 LZ Composite = C1C

EXAMPLES: S-00217-G1-C1-TZ-1A S-01815-G1-C5-LZ-1-C



Annual Analytical Suite: TPH, BTEX, Anions/Cations, 8 RCRA Heavy Metals

Quarterly Analytical Suite: TPH and BTEX

Caliche Cell Access Road

Perimeter Fence

Cell Berms

TRACE ANALYSIS, INC.

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4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

July 13, 1998
Receiving Date: 06/26/98
Sample Type: Water
Project No: 1036
Project Location: NA

ANALYTICAL RESULTS FOR
HIGHLANDER ENVIRONMENTAL SERVICES
Attention: Vijay Kurki
1910 N. Big Spring Street
Midland, TX 79705

Prep Date: 06/29/98
Prep Date: 07/08/98
Prep Date: 06/24/98
Sample Condition: Intact & Cool
Sample Received by: NG
Client Name: Texaco E & P, Inc.
Project Name: Texaco Landfarm
Lea County, NM

TA#	Field Code	TOTAL POTASSIUM (mg/L)	TOTAL MAGNESIUM (mg/L)	TOTAL CALCIUM (mg/L)	TOTAL SODIUM (mg/L)
T101256	West Windmill	5.3	15	56	28
ICV		50	55	54	51
CCV		50	51	50	51
Reporting Limit		0.50	0.50	0.50	0.50
METHOD BLANK		<0.50	<0.50	<0.50	<0.50
RPD		2	3	3	2
% Extraction Accuracy		99	95	99	93
% Instrument Accuracy		100	106	104	102

METHODS: EPA 200.7.
CHEMIST: RR
SPIKE: 100 mg/kg POTASSIUM, MAGNESIUM, CALCIUM, SODIUM.
CV: 50 mg/L POTASSIUM, MAGNESIUM, CALCIUM, SODIUM.

BL

Director, Dr. Blair Leftwich

7-13-98

Date

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E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
HIGHLANDER ENVIRONMENTAL SERVICES

Attention: Vijay Kurki
1910 N. Big Spring Street
Midland, TX 79705

July 13, 1998
Receiving Date: 06/26/98
Sample Type: Water
Project No: 1036
Project Location: NA

Sampling Date: 06/24/98
Sample Condition: Intact & Cool
Sample Received by: NG
Client Name: Texaco E & P, Inc.
Project Name: Texaco Landfarm
Lea County, NM

TA#	FIELD CODE	FLUORIDE (mg/L)	CHLORIDE (mg/L)	N03-N (mg/L)	SULFATE (mg/L)	ALKALINITY (mg/L as CaCo3) HC03	C03
T101256	West Windmill	0.97	37	6.8	27	210	<1.0
ICV		2.6	12	5.2	12	1,140	1,080
CCV		2.5	12	5.1	12	1,180	1,100
RPD		0	0	2	2	0	0
% Extraction Accuracy		106	98	108	106	—	—
% Instrument Accuracy		104	100	105	101	—	—
REPORTING LIMIT		0.1	0.5	0.2	0.5	1.0	1.0
PREP DATE		07/01/98	06/26/98	06/26/98	06/26/98	07/01/98	07/01/98
ANALYSIS DATE		07/02/98	06/26/98	06/26/98	06/26/98	07/01/98	07/01/98

METHODS: EPA 310.1, 300.0, 160.1.
CHEMIST: FLUORIDE/CHLORIDE/N03-N/SULFATE: JS ALKALINITY: RS
SPIKE: 12.5 mg/L FLUORIDE; 31.25 mg/L CHLORIDE, SULFATE; 12.5 mg/L N03-N.
CV: 2.5 mg/L FLUORIDE; 12.5 mg/L CHLORIDE, SULFATE; 5.0 mg/L N03-N.

BL

Director, Dr. Blair Leftwich

7-13-98

Date

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E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
HIGHLANDER ENVIRONMENTAL SERVICES

Attention: Vijay Kurki
1910 N. Big Spring Street
Midland, TX 79705

July 13, 1998
Receiving Date: 06/26/98
Sample Type: Soil
Project No: 1036
Project Location: NA

Sampling Date: 06/24/98
Sample Condition: Intact & Cool
Sample Received by: NG
Client Name: Texaco E & P, Inc.
Project Name: Texaco Landfarm
Lea County, NM

		Extractable					
						ALKALINITY (mg/kg as CaCo3)	
TA#	FIELD CODE	FLUORIDE (mg/kg)	CHLORIDE (mg/kg)	N03-N (mg/kg)	SULFATE (mg/kg)	HC03	C03
T101255	BH-1 (2'-2.5')	1.7	10	2.2	15	3,500	80
ICV		2.7	12	5.2	13	1,140	1,080
CCV		2.6	12	5.2	13	1,180	1,100
RPD		1	0	2	1	0	0
% Extraction Accuracy		108	99	101	107	—	—
% Instrument Accuracy		108	100	104	105	—	—
REPORTING LIMIT		0.1	0.5	0.1	0.5	1.0	1.0
PREP DATE		07/01/98	07/01/98	07/01/98	07/01/98	07/01/98	07/01/98
ANALYSIS DATE		07/03/98	07/03/98	07/03/98	07/03/98	07/01/98	07/01/98

METHODS: EPA 310.1, 300.0.
CHEMIST: FLUORIDE/CHLORIDE/N03-N/SULFATE: JS ALKALINITY: RS
SPIKE: 12.5 mg/kg FLUORIDE; 62.5 mg/kg CHLORIDE, SULFATE; 25 mg/kg N03-N.
CV: 2.5 mg/L FLUORIDE; 12.5 mg/L CHLORIDE, SULFATE; 5.0 mg/L N03-N.

BL

Director, Dr. Blair Leftwich

7-13-98

Date

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E-Mail: lab@traceanalysis.com

July 13, 1998
Receiving Date: 06/26/98
Sample Type: Soil
Project No: 1036
Project Location: NA

ANALYTICAL RESULTS FOR
HIGHLANDER ENVIRONMENTAL SERVICES
Attention: Vijay Kurki
1910 N. Big Spring Street
Midland, TX 79705

Prep Date: 06/29/98
Prep Date: 07/08/98
Prep Date: 06/24/98
Sample Condition: Intact & Cool
Sample Received by: NG
Client Name: Texaco E & P, Inc.
Project Name: Texaco Landfarm
Lea County, NM

		EXTRACTABLE			
TA#	Field Code	POTASSIUM (mg/kg)	MAGNESIUM (mg/kg)	CALCIUM (mg/kg)	SODIUM (mg/kg)
T101255	BH-1 (2'-2.5')	39	49	800	5.1
ICV		50	55	54	51
CCV		50	51	50	51
Reporting Limit		0.50	0.50	0.50	0.50
METHOD BLANK		<0.50	<0.50	<0.50	<0.50
RPD		2	3	3	2
% Extraction Accuracy		99	95	99	93
% Instrument Accuracy		100	106	104	102

METHODS: EPA 200.7.
CHEMIST: RR
SPIKE: 100 mg/L POTASSIUM, MAGNESIUM, CALCIUM, SODIUM.
CV: 50 mg/L POTASSIUM, MAGNESIUM, CALCIUM, SODIUM.

Director, Dr. Blair Leftwich

7-13-98
Date

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E-Mail: lab@traceanalysis.com

July 13, 1998
Receiving Date: 06/26/98
Sample Type: Soil
Project No: 1036
Project Location: NA

ANALYTICAL RESULTS FOR
HIGHLANDER ENVIRONMENTAL SERVICES
Attention: Vijay Kurki
1910 N. Big Spring St.
Midland, TX 79705

Sampling Date: 06/24/98
Sample Condition: Intact & Cool
Sample Received by: NG
Client Name: Texaco E & P, Inc.
Project Name: Texaco Landfarm, Lea County, NM

TOTAL METALS (mg/kg)

TA#	Field Code	As	Se	Cd	Cr	Pb	Ag	Ba	Hg
T101255	BH-1 (2'-2.5')	<5.0	<5.0	<2.0	6.1	<5.0	<5.0	45	<0.25
ICV		1.0	0.96	0.99	1.0	0.98	0.20	0.97	5.1
CCV		0.98	1.0	0.99	1.0	0.99	0.20	0.96	5.2
Reporting Limit		5.0	5.0	2.0	5.0	5.0	5.0	5.0	0.25
RPD		3	2	2	1	1	0	7	0*
% Extraction Accuracy		89	89	91	97	90	80	88	100
% Instrument Accuracy		99	98	99	100	98	100	96	103
PREP DATE		06/29/98	06/29/98	06/29/98	06/29/98	06/29/98	06/29/98	06/29/98	06/30/98
ANALYSIS DATE		06/29/98	06/29/98	06/29/98	06/29/98	06/29/98	06/29/98	06/29/98	07/01/98

***NOTE: LCS used due to concentration of sample in MS/MSD.**

CHEMIST: As, Se, Cd, Cr, Pb, Ag, Ba: RR Hg: HC
METHODS: EPA SW 846-3051, 6010B, 7471.
TOTAL METALS SPIKE: 200 mg/kg As, Se, Cd, Cr, Pb, Ba; 25 mg/kg Ag; 2.5 mg/kg Hg.
TOTAL METALS CV: 1.0 mg/L As, Se, Cd, Cr, Pb, Ba; 0.20 mg/L Ag; 5.0 mg/L Hg.

Director, Dr. Blair Leftwich

7-13-98
Date

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ANALYTICAL RESULTS FOR
Highlander Environmental Services
Attention Vijay Kurki
1910 N. Big Spirng St.
Midland TX 79705

Date: Jul 03, 1998
Date Rec: 6/26/98
Project: 1036
Proj Name: Texaco/Lea County
Proj Loc: N/A

Lab Receiving # : 9806000467
Sampling Date: 6/24/98
Sample Condition: Intact and Cool
Sample Received By: NG

TA#	Field Code	MATRIX	GRO (mg/Kg)
101255	BH-1 2-2.5'	Soil	<5.00
	Method Blank		<0.100
	Reporting Limit		5
	QC		1.03
	RPD		6
	% Extraction Accuracy		99
	% Instrument Accuracy		103

TEST	PREP METHOD	PREP DATE	ANALYSIS METHOD	ANALYSIS COMPLETED	CHEMIST	QC: (mg/L)	SPIKE: (mg/Kg)
GRO	EPA 5030	6/29/98	EPA 8015B	6/29/98	JG	1	50

Director, Dr. Blair Leftwich

7-3-98
Date

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E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
Highlander Environmental Services
Attention Vijay Kurki
1910 N. Big Spirng St.
Midland TX 79705

Lab Receiving # : 9806000467
Sampling Date: 6/24/98
Sample Condition: Intact and Cool
Sample Received By: NG

Date: Jun 30, 1998
Date Rec: 6/26/98
Project: 1036
Proj Name: Texaco/Lea County
Proj Loc: N/A

TA#	Field Code	MATRIX	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P,O XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)
101255	BH-1 2-2.5'	Soil	<0.050	<0.050	<0.050	<0.050	<0.050
Method Blank			<0.050	<0.050	<0.050	<0.050	
Reporting Limit			0.05	0.05	0.05	0.05	
QC			0.105	0.105	0.106	0.301	
RPD			3	3	4	4	
% Extraction Accuracy			109	109	110	103	
% Instrument Accuracy			105	105	106	100	

TEST	PREP METHOD	PREP DATE	ANALYSIS METHOD	ANALYSIS COMPLETED	CHEMIST	QC: (mg/L)	SPIKE: (mg/Kg)
BTEX	EPA 5030	6/29/98	EPA 8021B	6/29/98	JG	0.100 ea	5 ea

BR

Director, Dr. Blair Leftwich

6-30-98

Date

101255-56

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705
(915) 682-4559 Fax (915) 682-3946

PAGE: 1

CLIENT NAME: Texaco EXP Inc.
SITE MANAGER: Vijay Kurki
PROJECT NO.: 1036
PROJECT NAME: Texaco Landfarm, Lea Co. NM

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH Modified 8015	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Cations & Anions
101255	6/24/96		S	✓		BH-1 (2'-2.5')	6	-			✓		✓		✓		✓													✓
101256	6/24/96		W	✓		West Windmill	1	N			✓	✓																		✓

101256
Na Ca Mg K
Cl SO4 CO3 HCO3 F NO3

101255 Na Ca Mg K
F Cl SO4 CO3 HCO3 NO3

RELINQUISHED BY: (Signature) Vijay Kurki Date: 6/25/96 Time: 11:50
RECEIVED BY: (Signature) J Thomas Date: 6/25/96 Time: 11:50
RELINQUISHED BY: (Signature) J Thomas 6/25 5 P Date: Time:
RECEIVED BY: (Signature) Date: Time:
RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace Laboratory
ADDRESS:
CITY: Lubbock STATE: Tx ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

SAMPLED BY: (Print & Sign) Vijay Kurki VIJAY KURKI Date: 6/24/96 Time:
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

HIGHLANDER CONTACT PERSON: Vijay Kurki
Results by: BW 7/3/96
RUSH Charges Authorized: Yes No (circled)

SAMPLE CONDITION WHEN RECEIVED: -2°
MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other
REMARKS: Neil Green P Greyhound 155758 9528