

EPFS PIT CLOSURE SUMMARY

Denny L. Faust
DEPUTY OIL & GAS INSPECTOR

JUL 17 1998

Rincon Unit # 53
Meter/Line ID - 71125

Approved

Legals - Twn: 27 Ring: 6
NMOCD Hazard Ranking: 30
Operator: UNOCAL

SITE DETAILS

Sec: 22 Unit: J
Land Type: FEE

PREVIOUS ACTIVITIES

Site Assessment: 11/28/94
Monitor Well: N/A

Excavation: 12/13/94
Re-Excavation: N/A

Soil Boring: 8/22/95
Geoprobe: N/A

CONCLUSIONS

The initial excavation was excavated to the top of the bedrock, which was 7 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 273 ppm at 7 feet bgs. Excavation was terminated and a sample was collected and analyzed for BTEX and TPH. Sample analysis indicated total BTEX to be below standards at 14.2 and TPH was above standards at 176 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of impact to soils. The soil lithology beneath the initial excavation consisted of a hard light brown silty sand (possible sandstone), which continued to the termination of the boring at 20 feet bgs. A sample was collected for BTEX and TPH analysis at 18-20 feet bgs. Laboratory analysis showed total BTEX to be below laboratory detection limits and TPH present at 40.5 mg/kg.

RECOMMENDATIONS

No further action is recommended at the site for the following reasons:

- The bulk of the impacted soil was removed during the phase 1 excavation.
- Test boring sample results indicated soils below standards 6 feet beneath the initial excavation.
- No groundwater was encountered in the test boring.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soils at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

RECEIVED
MAR - 9 1998
OIL CON. DIV.
DIST. 3

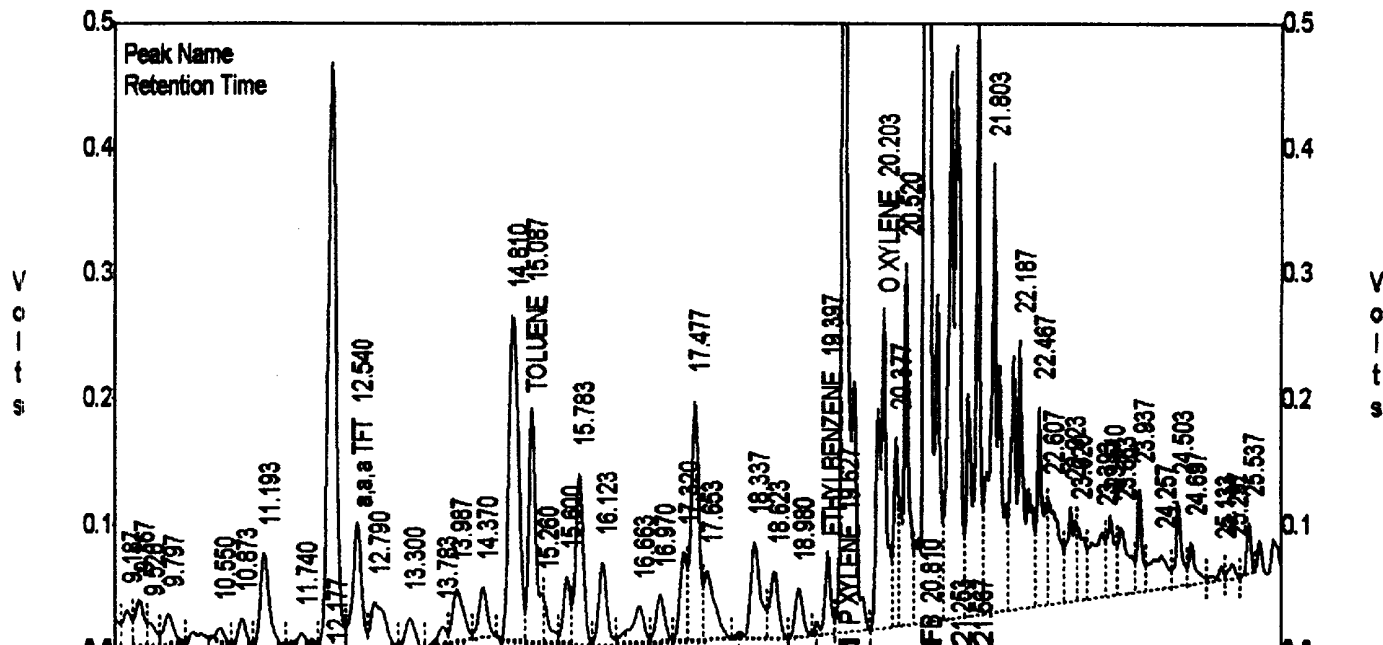
EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM\946526A
 Method : C:\LABQUEST\METHODS\SOILS.MET
 Sample ID : 946526, 4.94G/100uL
 Acquired : Dec 15, 1994 23:39:47
 Printed : Dec 16, 1994 00:06:02
 User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	10.200	0	0.00000	0.0000
a,a,a TFT	12.540	811238	8403.01855	90.4746
TOLUENE	15.087	1379854	148815.51563	10.2952
ETHYLBENZENE	19.397	391818	132895.85938	3.2634
M & P XYLENE	19.627	5134476	193528.29688	39.5574
O XYLENE	20.203	2013921	142564.65625	16.9027
BFB	20.810	22672260	199747.54688	111.1805
Totals :		32403568		271.6738

C:\LABQUEST\CHROM\946526A - Channel A



**EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS**

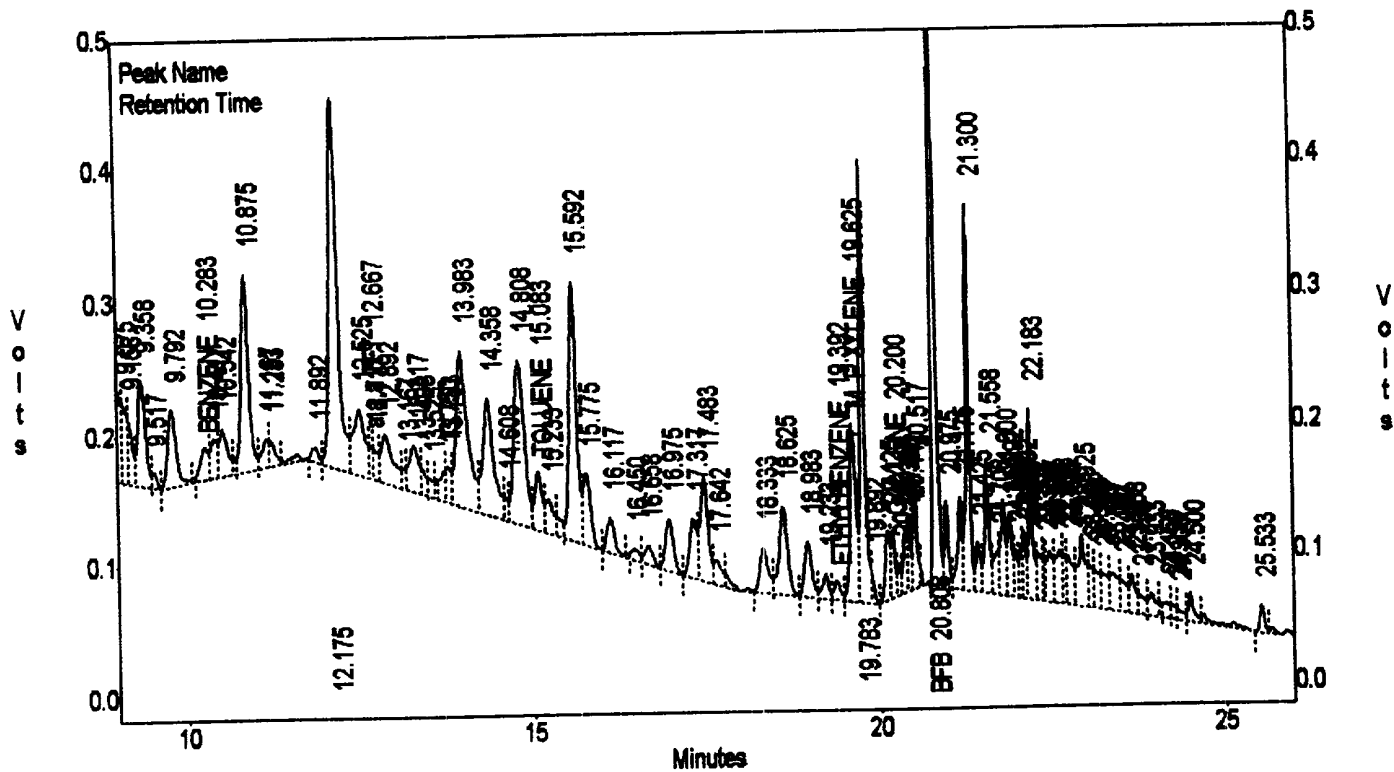
File : C:\LABQUEST\CHROM\946528A
 Method : C:\LABQUEST\METHODS\SOILS.MET
 Sample ID : 946528, 4.94G/100uL
 Acquired : Dec 15, 1994 23:39:47
 Printed : Dec 16, 1994 00:06:08
 User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	10.283	222073	21915.75586	9.7789
a,a,a TFT	12.667	87853	2414.15015	34.4250
TOLUENE	15.083	328476	24426.96680	14.5554
ETHYLBENZENE	19.392	94796	22761.56836	4.4145
M & P XYLENE	19.625	833596	24867.57227	39.6360
O XYLENE	20.200	192196	23922.60938	9.0402
BFB	20.808	3017165	23067.31836	124.6798

Totals : 4776158 236.5299

C:\LABQUEST\CHROM\946528A - Channel B



PHASE II

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
 Well # _____
 Page 1 of 1

Philip Environmental Services Corp.
 4000 Monroe Road
 Farmington, New Mexico 87401
 (606) 326-2262 FAX (606) 326-2388

Project Name EPNG Pits
 Project Number 14509 Phase 601-6000
 Project Location Rincon Unit #53, 71175

Elevation _____
 Borehole Location T27, R6, S.22, J
 GWL Depth _____
 Logged By S. Kelly
 Drilled By M. Donohue
 Date/Time Started 8/22/95, 1210
 Date/Time Completed 8/22/95, 1320

Well Logged By S. Kelly
 Personnel On-Site M. Donohue, J. O'Keefe
 Contractors On-Site _____
 Client Personnel On-Site _____
 Drilling Method 4 1/4" ID HSA
 Air Monitoring Method CGI, PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring			Drilling Conditions & Blow Counts
							Units: NDU	BZ	BH	
0				Backfill to 7'						
5										
10										
15										
20	18-20			silty SAND, light grey 5-20% silt, fine sand dense, dry.						1235 drilling is hard, like rock.
25				TOB-20.0'						
30										
35										
40										

Comments: 18'-20' sample (SEK66) sent to lab (BTEX & TPH). Sample was bagged and iced prior to being put in jar. BH grouted to surface.

Geologist Signature S. Kelly



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SEK 66	947303
MTR CODE SITE NAME:	71125	Rincon Unit #53
SAMPLE DATE TIME (Hrs):	8-22-95	12:35
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	8/23/95	
DATE OF BTEX EXT. ANAL.:	8/24/95	
TYPE DESCRIPTION:	V6	Light grey sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< .5	MG/KG				
TOLUENE	< .5	MG/KG				
ETHYL BENZENE	< .5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	^{ppb} 40.5	MG/KG			2.04	28
HEADSPACE PID	0	PPM				
PERCENT SOLIDS	92.3	%				

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -

The Surrogate Recovery was at 97% for this sample All QA/QC was acceptable.
 Narrative: _____

DF = Dilution Factor Used

Approved By: LP

Date: 8/28/95

* Test Method for *
* Oil and Grease and Petroleum Hydrocarbons *
* in Water and Soil *
* *
* -- Perkin-Elmer Model 1600 FT-IR *
* Analysis Report *

* 95/08/23 14:08

* Sample identification
* 947303

* Initial mass of sample, g
* 2.040

* Volume of sample after extraction, ml
* 28.000

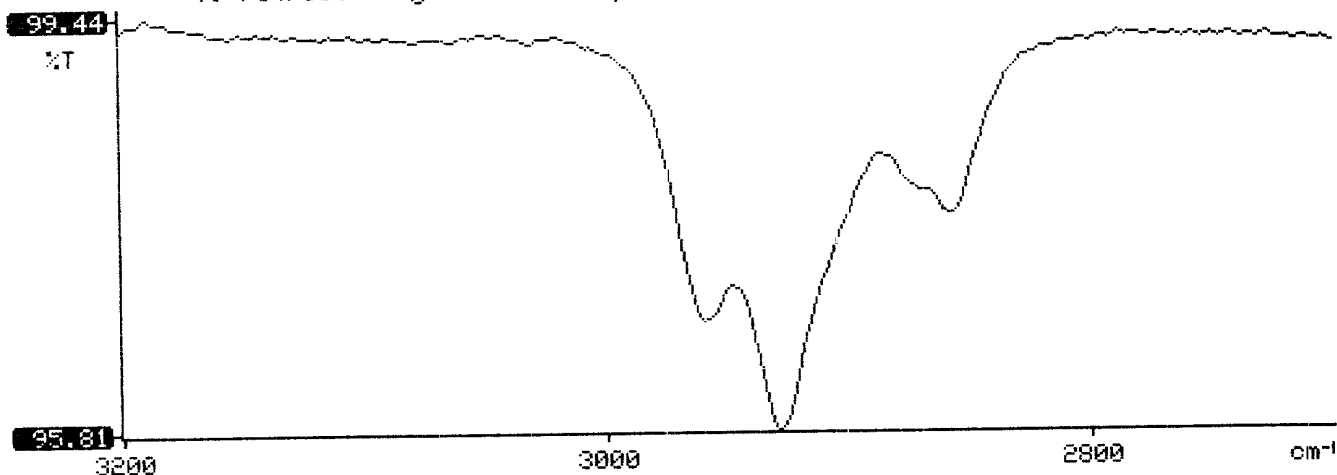
* Petroleum hydrocarbons, ppm
* 40.505

* Net absorbance of hydrocarbons (2930 cm⁻¹)
* 0.015

*
*
*

Y: Petroleum hydrocarbons spectrum

14:08



BTEX SOIL SAMPLE WORKSHEET

File	: 947303	Date Printed	: 8/26/95
Soil Mass (g)	: 4.98	Multiplier (L/g)	: 0.00100
Extraction vol. (mL)	: 20	DF (Analytical)	: 200
Shot Volume (uL)	: 100	DF (Report)	: 0.20080

				Det. Limit
Benzene (ug/L)	: 0.00	Benzene (mg/Kg):	0.000	0.502
Toluene (ug/L)	: 0.00	Toluene (mg/Kg):	0.000	0.502
Ethylbenzene (ug/L)	: 0.00	Ethylbenzene (mg/Kg):	0.000	0.502
p & m-xylene (ug/L)	: 0.00	p & m-xylene (mg/Kg):	0.000	1.004
o-xylene (ug/L)	: 0.00	o-xylene (mg/Kg):	0.000	0.502
		Total xylenes (mg/Kg):	0.000	1.506
		Total BTEX (mg/Kg):	0.000	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\082495-1.022
 Method : C:\LABQUEST\METHODS\9001.MET
 Sample ID : 947303,4.98G,100U
 Acquired : Aug 25, 1995 03:39:01
 Printed : Aug 25, 1995 04:05:23
 User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.443	0	0.0000
a,a,a TFT	4.953	4655618	89.5144
TOLUENE	6.780	165604	-0.2889
ETHYLBENZENE	10.510	0	0.0000
M & P XYLENE	10.837	0	0.0000
O XYLENE	11.907	0	0.0000
BFB	13.407	70156712	97.3943

