

DEC 21 1998

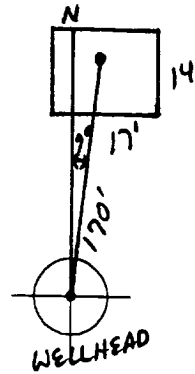
OK

GENERAL	Meter: <u>75477</u> Location: <u>JAMES F. BECA</u>	
	Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>Kurtz</u>	
	Coordinates: Letter: <u>B</u> Section <u>3</u> Township: <u>30</u> Range: <u>13</u>	
	Or Latitude _____ Longitude _____	
SITE ASSESSMENT	Pit Type: Dehydrator <u>X</u> Location Drip: _____ Line Drip: _____ Other: _____	
	Site Visit Date: <u>3.24.94</u> Run: <u>02</u> <u>31</u>	
	NMOCD Zone:	Land Type:
	(From NMOCD Maps)	
	Inside	BLM ☒
	Vulnerable	State ☐
	Zone ☒	Fee ☐
	Outside ☐	Indian _____
	Depth to Groundwater	
	Less Than 50 Feet (20 points) ☐	
50 Ft to 99 Ft (10 points) ☐		
Greater Than 100 Ft (0 points) ☒		
Wellhead Protection Area :		
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ YES (20 points) ☒ NO (0 points)		
Horizontal Distance to Surface Water Body		
Less Than 200 Ft (20 points) ☐		
200 Ft to 1000 Ft (10 points) ☒		
Greater Than 1000 Ft (0 points) ☐		
Name of Surface Water Body <u>PICKERING ARROYO</u>		
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)		
TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS		
REMARKS	Remarks : <u>TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY.</u>	

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 7° Footage to Wellhead 170'
b) Degrees from North _____ Footage to Dogleg _____
Dogleg Name _____
c) Length : 12' Width : 14' Depth : 4'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 9:42 A.M.
END DUMP

Completed By:

Scott Thompson
Signature

3.24.94
Date

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>78477</u> Location: <u>JAMES F. BELL #2</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: _____ Section: _____ Township: _____ Range: _____ Or Latitude: _____ Longitude: _____ Pit Type: Dehydrator _____ Location: Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: _____ Area: <u>02</u> Run: <u>31</u>	
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps)	Land Type: BLM ☐ (1) State ☐ (2) Fee ☐ (3) Indian _____ Inside ☐ (1) Outside ☐ (2)
	Depth to Groundwater Less Than 50 Feet (20 points) 50 Ft to 99 Ft (10 points) Greater Than 100 Ft (0 points)	☒ (1) ☐ (2) ☐ (3)
	Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☐ (2) NO (0 points)	
	Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) 200 Ft to 1000 Ft (10 points) Greater Than 1000 Ft (0 points)	☐ (1) ☐ (2) ☐ (3)
	Name of Surface Water Body _____ (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only) ☐ (2) > 100'	
	TOTAL HAZARD RANKING SCORE: <u>30</u> POINTS	
REMARKS	Remarks : _____ _____ _____	

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>25477</u> Location: <u>James F. Bell #2</u> Coordinates: Letter: <u>B</u> Section <u>3</u> Township: <u>30</u> Range: <u>13</u> Or Latitude _____ Longitude _____ Date Started : <u>4-20-94</u> Area: <u>02</u> Run: <u>31</u>
FIELD OBSERVATIONS	940836 Sample Number(s): <u>VW 16</u> Sample Depth: <u>11'</u> Feet Final PID Reading <u>197</u> PID Reading Depth <u>11'</u> Feet Yes No Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet
CLOSURE	Remediation Method : Excavation ☒ (1) Approx. Cubic Yards <u>40</u> KDK 7-5-94 Onsite Bioremediation ☐ (2) Backfill Pit Without Excavation ☐ (3) Soil Disposition: Envirotech ☐ (1) ☒ (3) Tierra Other Facility ☐ (2) Name: _____ Pit Closure Date: <u>4-20-94</u> Pit Closed By: <u>BEI</u>
REMARKS	Remarks : <u>11' hit rock & couldn't dig any further</u> <u>40 Approx. cubic yards to tierra as shown on manifest from Tierra</u> KDK 7-5-94 Signature of Specialist: <u>Vale Wilson</u>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	1W16	940836
MTR CODE SITE NAME:	75477	N/A
SAMPLE DATE TIME (Hrs):	4/20/94	1300
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	4-22-94	4-22-94
DATE OF BTEX EXT. ANAL.:	4/25/94	4/26/94
TYPE DESCRIPTION:	VC	Grey Sand / Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	23.0	MG/KG	20			
TOLUENE	15.8	MG/KG	20	B		
ETHYL BENZENE	3.71	MG/KG	20			
TOTAL XYLENES	46.3	MG/KG	20			
TOTAL BTEX	65.8	MG/KG	0.0294		1.02	30
TPH (418.1)	752	MG/KG			2.10	28
HEADSPACE PID	197	PPM				
PERCENT SOLIDS	90.6	%				

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

The Surrogate Recovery was at 100.1 % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By:

John Sardi

Date:

5/17/94

File : 14083601.D01

XTR 71477

STACY SENDLER

Run : 21

Queue : ICILEXTR Sat Number : 1

Type : Sample

Path : 11\CHROM

Collection : 09:58:20 Apr 25 1994 Meth(A): BETX 1 10:51:55 Apr 25 1994 1

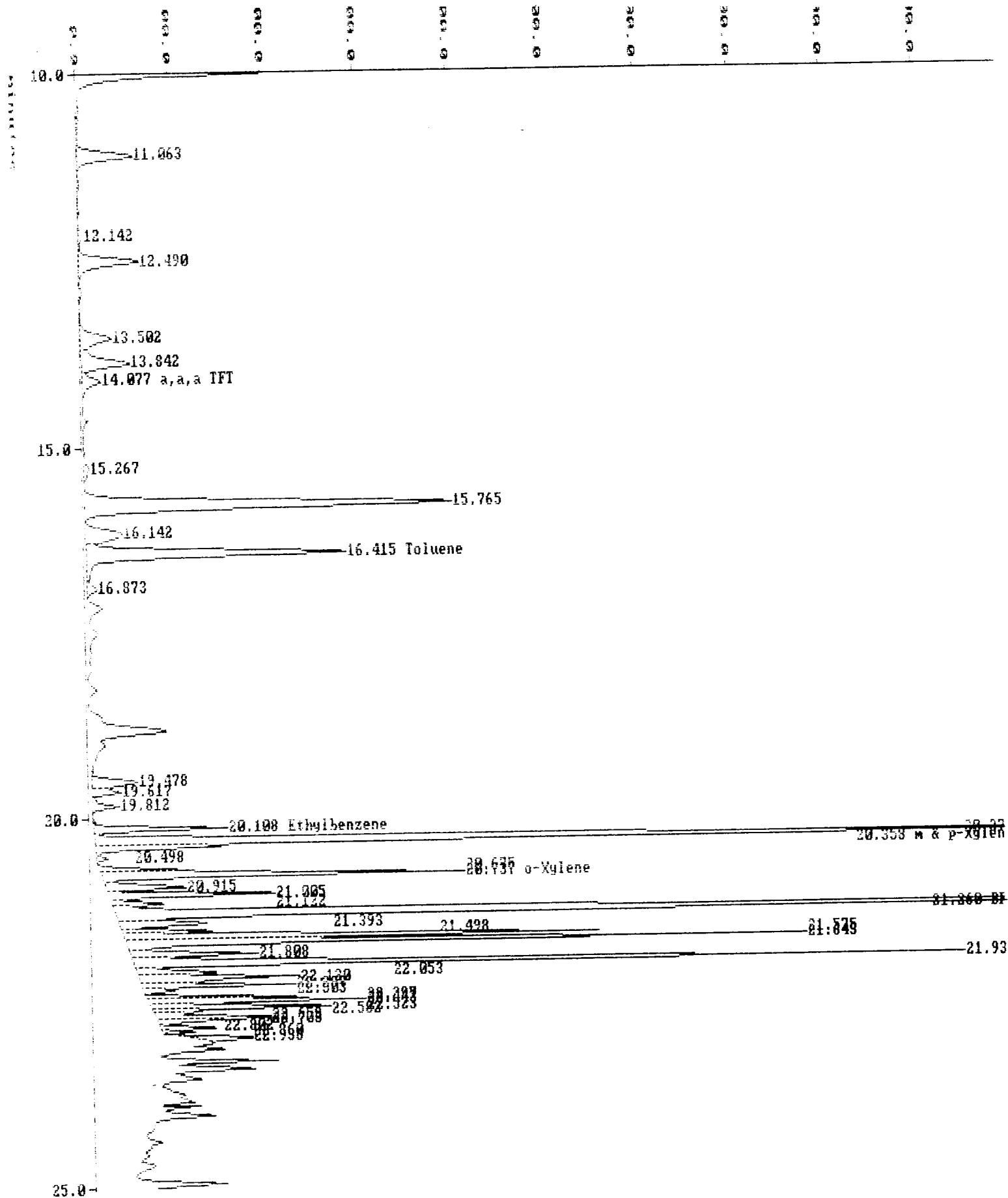
Integration: 09:58:20 Apr 25 1994 Meth(A): BETX 1 10:51:55 Apr 25 1994 1

Report : 09:24:31 Apr 25 1994 Meth(A): BETX 1 10:51:55 Apr 25 1994 1

Sample Amt : 1.000000e+0 Dilution: 2.940000e-2

EXTERNAL STANDARD (AREA)

RT	Area	GC	EXERT	RF	ug/L	Name
11.683	878533	V		0.000000e+0	0.0000	Unknown
			11.683	2.81532e-6		Benzene
12.101	84257	T		0.000000e+0	0.0000	Unknown
12.490	864061	T		0.000000e+0	0.0000	Unknown
13.502	811126	T		0.000000e+0	0.0000	Unknown
13.841	860892	T		0.000000e+0	0.0000	Unknown
14.077	837357		14.077	1.53721e-4	1.5372	R a,a,a TFT
15.287	107873	V		0.000000e+0	0.0000	Unknown
16.768	8698239	T		0.000000e+0	0.0000	Unknown
18.141	810048	T		0.000000e+0	0.0000	Unknown
18.215	8658551	T	18.215	7.35723e-5	0.7358	Toluene 15.8
18.873	123358			0.000000e+0	0.0000	Unknown
19.173	811575	T		0.000000e+0	0.0000	Unknown
19.617	268204	T		0.000000e+0	0.0000	Unknown
19.811	262048	V		0.000000e+0	0.0000	Unknown
20.108	862014	T	20.102	6.55448e-6	0.1854	Ethylbenzene 3.71
20.272	10072278	T		0.000000e+0	0.0000	Unknown
20.355	777248	T	20.320	4.71291e-6	0.1677	m & p-Xylene 37.2
20.498	80420	V		0.000000e+0	0.0000	Unknown
20.675	655240	T		0.000000e+0	0.0000	Unknown
20.738	2411559	T	20.773	6.46813e-6	0.4565	o-Xylene 9.13
20.913	840768	T		0.000000e+0	0.0000	Unknown
21.005	1168738	T		0.000000e+0	0.0000	Unknown
21.112	299439	T		0.000000e+0	0.0000	Unknown
21.253	87738531	T	21.231	5.11045e-5	0.3416	100.1
21.293	277739	T		0.000000e+0	0.0000	Unknown
21.488	470052	T		0.000000e+0	0.0000	Unknown
21.573	2859210	T		0.000000e+0	0.0000	Unknown
21.643	4437717	T		0.000000e+0	0.0000	Unknown
21.808	368450	T		0.000000e+0	0.0000	Unknown
21.922	4701357	T		0.000000e+0	0.0000	Unknown
21.953	803789	T		0.000000e+0	0.0000	Unknown
22.129	1485353	T		0.000000e+0	0.0000	Unknown
22.236	849202	T		0.000000e+0	0.0000	Unknown
22.293	130258	V		0.000000e+0	0.0000	Unknown
22.397	1635406	T		0.000000e+0	0.0000	Unknown
22.440	1052841	T		0.000000e+0	0.0000	Unknown
22.523	953281	T		0.000000e+0	0.0000	Unknown
22.582	862045	T		0.000000e+0	0.0000	Unknown
22.658	719560	T		0.000000e+0	0.0000	Unknown
22.703	453665	T		0.000000e+0	0.0000	Unknown
22.802	251726	T		0.000000e+0	0.0000	Unknown
22.860	141281	V		0.000000e+0	0.0000	Unknown
22.938	484717			0.000000e+0	0.0000	Unknown



File : 54083601.002

MTR 10477

ETACV SENDLER

Run : 01

Queue : COILEXTR Set Number : 1

Type : Sample

Path : C:\VCHRON

Collection : 08:53:20 Apr 25 1994 Meth(B): BETX I 11:29:28 Apr 22 1994 I
 Integration: 08:53:20 Apr 25 1994 Meth(B): BETX I 11:29:28 Apr 22 1994 I
 Record : 08:21:55 Apr 25 1994 Meth(B): BETX I 11:29:28 Apr 22 1994 I

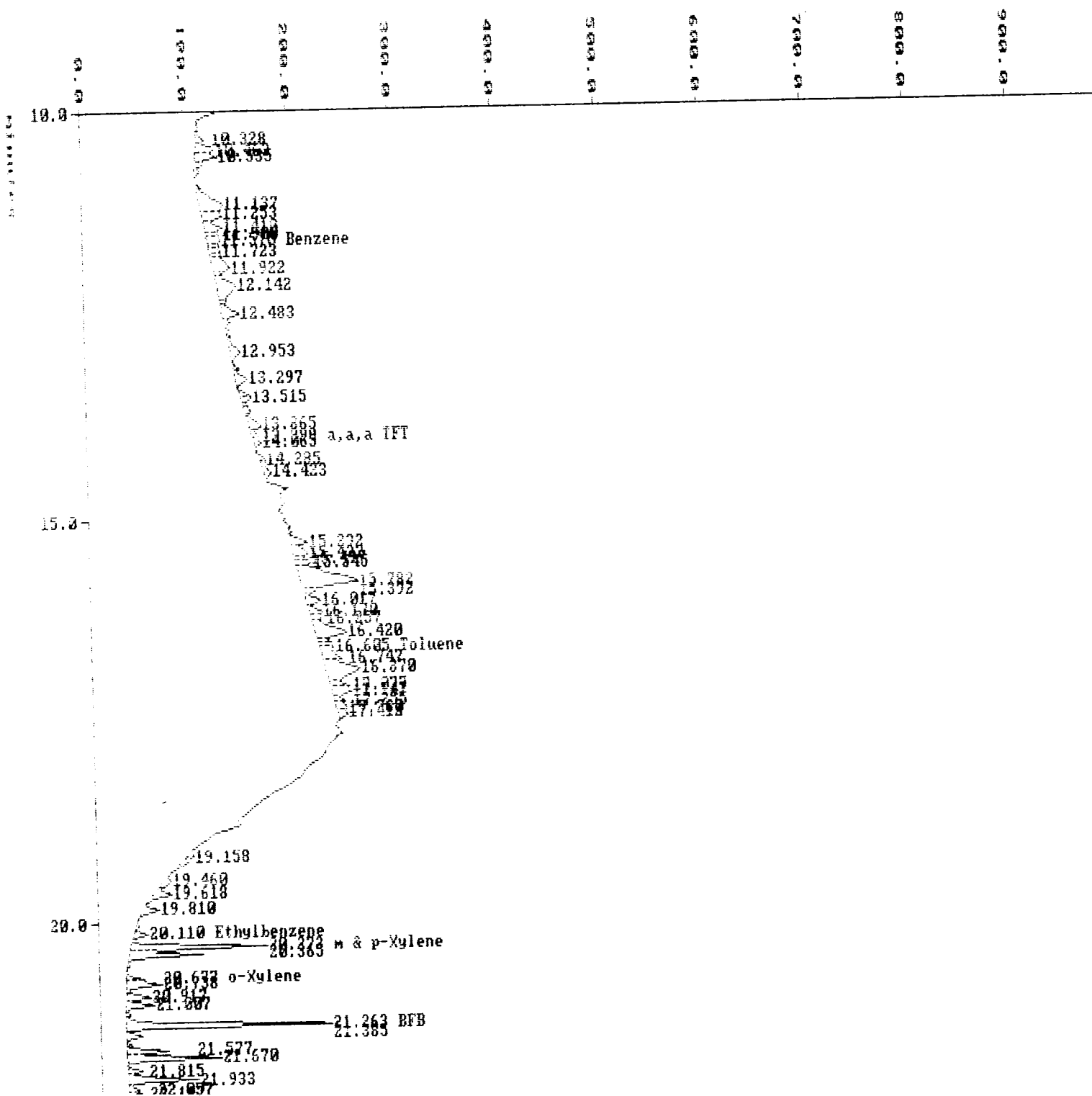
Sample Amt : 1.00000e+0 Dilution: 2.94000e-2

EXTERNAL STANDARD (AREA)

RT	Area	BC	ExpRT	RF	ug/L	Name
10.325	36924	T		0.00000e+0	0.0000	Unknown
10.463	101614	T		0.00000e+0	0.0000	Unknown
10.535	99268	T		0.00000e+0	0.0000	Unknown
11.136	264928	T		0.00000e+0	0.0000	Unknown
11.253	108544	T		0.00000e+0	0.0000	Unknown
11.410	104808	T		0.00000e+0	0.0000	Unknown
11.500	44838	T		0.00000e+0	0.0000	Unknown
11.570	35348	T	11.616	3.19752e-4	0.4125	Benzene
11.725	48811	T		0.00000e+0	0.0000	Unknown
11.921	153328	T		0.00000e+0	0.0000	Unknown
12.142	210932	T		0.00000e+0	0.0000	Unknown
12.483	104092	T		0.00000e+0	0.0000	Unknown
12.353	33637	T		0.00000e+0	0.0000	Unknown
13.297	70569	V		0.00000e+0	0.0000	Unknown
13.515	48742	T		0.00000e+0	0.0000	Unknown
13.863	73817	T		0.00000e+0	0.0000	Unknown
13.998	32343	T	13.998	0.00000e+0	0.0000	2 o, o, a, a TFT
14.065	30274	T		0.00000e+0	0.0000	Unknown
14.285	33502	T		0.00000e+0	0.0000	Unknown
14.423	31520	T		0.00000e+0	0.0000	Unknown
15.192	56055	T		0.00000e+0	0.0000	Unknown
15.487	93134	T		0.00000e+0	0.0000	Unknown
15.497	37091	T		0.00000e+0	0.0000	Unknown
15.843	42157	T		0.00000e+0	0.0000	Unknown
15.732	374473	T		0.00000e+0	0.0000	Unknown
15.822	49542	T		0.00000e+0	0.0000	Unknown
15.917	30836	T		0.00000e+0	0.0000	Unknown
16.170	34469	T		0.00000e+0	0.0000	Unknown
16.256	35091	T		0.00000e+0	0.0000	Unknown
16.420	265247	T		0.00000e+0	0.0000	Unknown
16.505	47445	T	16.527	1.39186e-4	0.1942	Toluene
16.747	138173	T		0.00000e+0	0.0000	Unknown
16.870	337240	T		0.00000e+0	0.0000	Unknown
17.076	50506	T		0.00000e+0	0.0000	Unknown
17.147	112660	T		0.00000e+0	0.0000	Unknown
17.233	36929	T		0.00000e+0	0.0000	Unknown
17.360	55717	T		0.00000e+0	0.0000	Unknown
17.412	45073	T		0.00000e+0	0.0000	Unknown
19.153	46452	V		0.00000e+0	0.0000	Unknown
19.480	40564	T		0.00000e+0	0.0000	Unknown
19.213	56745	V		0.00000e+0	0.0000	Unknown
19.310	48307	V		0.00000e+0	0.0000	Unknown
20.110	42737	V	20.082	1.50960e-4	0.2022	Ethylbenzene
20.272	430393	T	20.241	1.51846e-4	1.9214	m & p-Xylene
20.365	216625	V		0.00000e+0	0.0000	Unknown
20.677	56431	T	20.688	1.70658e-4	0.2831	o-Xylene
20.733	127850	T		0.00000e+0	0.0000	Unknown
20.916	78087	T		0.00000e+0	0.0000	Unknown
21.005	34522	T		0.00000e+0	0.0000	Unknown

21.035	22773	T	0.000000e+0	0.0000	Unknown
21.676	111354	T	0.000000e+0	0.0000	Unknown
22.370	201119	T	0.000000e+0	0.0000	Unknown
21.318	40078	T	0.000000e+0	0.0000	Unknown
21.238	225017	T	0.000000e+0	0.0000	Unknown
22.037	17377	T	0.000000e+0	0.0000	Unknown
22.117	59835	T	0.000000e+0	0.0000	Unknown
22.236	90652	T	0.000000e+0	0.0000	Unknown
22.447	65992	T	0.000000e+0	0.0000	Unknown
22.525	215362	T	0.000000e+0	0.0000	Unknown
22.680	54960	T	0.000000e+0	0.0000	Unknown
22.705	37885	T	0.000000e+0	0.0000	Unknown

(94083601.D02) MU



84.788

25.8-

Test Method for
Oil and Grease and Petroleum Hydrocarbons
in Water and Soil

Perkin-Elmer Model 1600 FT-IR
Analysis Report

94/04/22 10:40

Sample identification
940836

Initial mass of sample, g
2.100

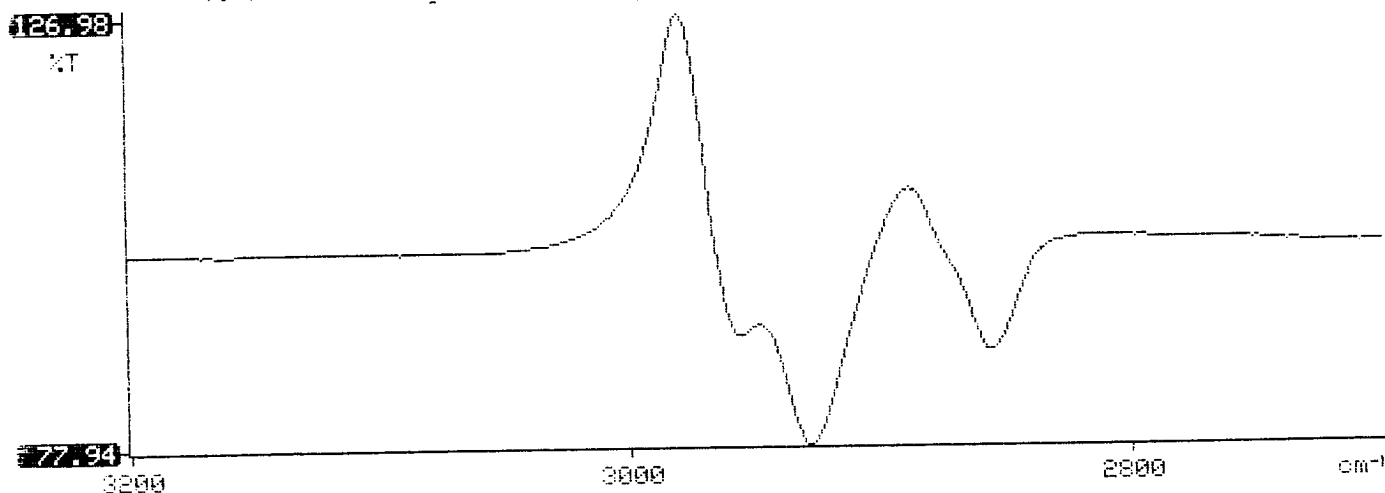
Volume of sample after extraction, ml
28.000

Petroleum hydrocarbons, ppm
751.826

Net absorbance of hydrocarbons (2930 cm^{-1})
0.110

Y: Petroleum hydrocarbons spectrum

10:41



PHASE II

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

PHILIP ENVIRONMENTAL

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
Project Number 14509 Phase 6000 77
Project Location James F. Roll #2 75477

Elevation
Borehole Location QB-S3-T20-R12
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 10/6/95-0937
Date/Time Completed 10/6/95-1100

Well Logged By CM Chance
Personnel On-Site K Padilla, F. Rivera
Contractors On-Site
Client Personnel On-Site
Drilling Method 4 1/4" ID HSA
Air Monitoring Method PID, CGI

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: PPM			
							BZ	BH	HS	
0				Backfill to 11'						
5										
10										
15	1	15-16	8"	lt gray silty SAND, rF sand, med dense, dry			0	9	$\frac{72}{14}$	-0949h
20	2	20-21	5	AA			0	20	$\frac{177}{97}$	-1000 -Drilling hard
25		25-26	5"	Reddish B- SANDSTONE, f- med sand, hard			2	31	$\frac{26}{21}$	-1014
				TDB 26'						
30										
35										
40										

Comments: Took bearing & Footage (From assessment) to locate pit, CMC 134 (25-26') 125 (DVP)
& 136 (Blank) sent to lab (BTEX, TPH). Sample bagged & iced prior to
containerizing. BH grouted to surface

Geologist Signature

Corey Chance



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC134	947604
MTR CODE SITE NAME:	75477	James F. Bell #2
SAMPLE DATE TIME (Hrs):	10-06-95	1014
PROJECT:	10-06-95 RLB 10/09/95	Phase II Drilling
DATE OF TPH EXT. ANAL.:	10/9/95	
DATE OF BTEX EXT. ANAL.:	10/9/95	10/9/95
TYPE DESCRIPTION:	V6	Brown sand & clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	< 1.5 ml	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	< 10	MG/KG			2.02	28
HEADSPACE PID	21	PPM				
PERCENT SOLIDS	92.2	%				

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

The Surrogate Recovery was at
Narrative:

97%

for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Approved By:

Date:

10-11-95

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

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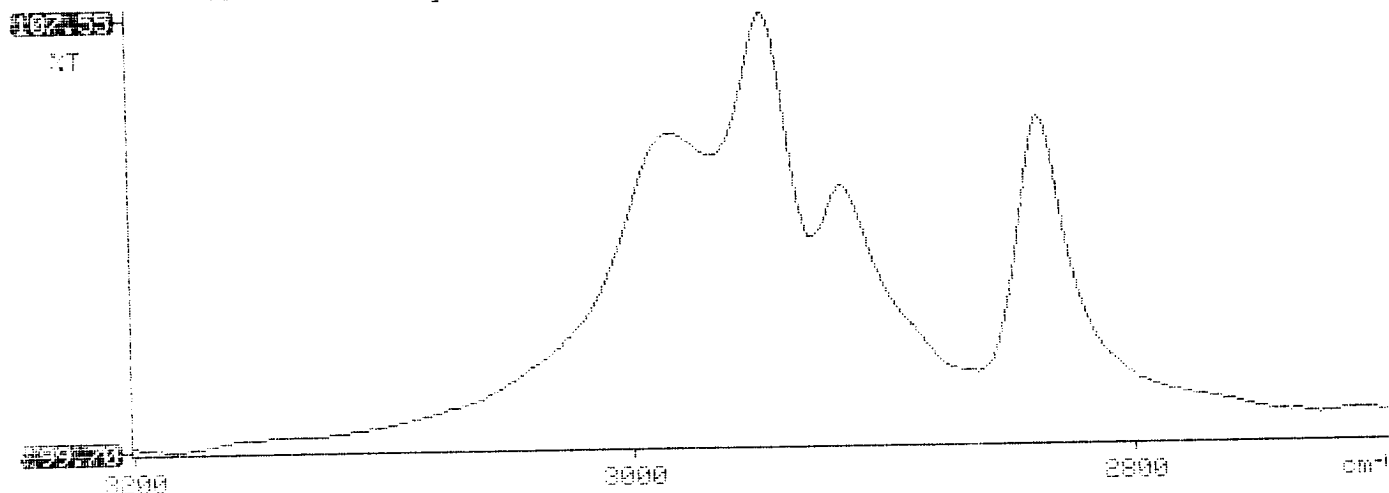
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*
* 95/10/09 15:01
*
* Sample identification
* 947604
*
* Initial mass of sample, g
* 1.020
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* -205.705
* Net absorbance of hydrocarbons (2930 cm-1)
* -0.015
*

```

Y: Petroleum hydrocarbons spectrum

15:01



BTEX SOIL SAMPLE WORKSHEET

File	:	947604	Date Printed	:	10/10/95
Soil Mass (g)	:	5.10	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	10	DF (Analytical)	:	200
Shot Volume (uL)	:	50	DF (Report)	:	0.19608

				Det. Limit
Benzene (ug/L)	:	0.48	Benzene (mg/Kg):	0.094 0.490
Toluene (ug/L)	:	0.45	Toluene (mg/Kg):	0.088 0.490
Ethylbenzene (ug/L)	:	0.45	Ethylbenzene (mg/Kg):	0.088 0.490
p & m-xylene (ug/L)	:	1.67	p & m-xylene (mg/Kg):	0.327 0.980
o-xylene (ug/L)	:	0.38	o-xylene (mg/Kg):	0.075 0.490
			Total xylenes (mg/Kg):	0.402 1.471
			Total BTEX (mg/Kg):	0.673

EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\100995-0.014
 Method : C:\LABQUEST\METHODS\10-092095.MET
 Sample ID : 947604,5.10G,50U
 Acquired : Oct 09, 1995 21:40:37
 Printed : Oct 09, 1995 22:11:05
 User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	8.167	181187	0.4842
a,a,a-TFT	10.517	9299025	106.2918
TOLUENE	12.940	165309	0.4542
ETHYLBENZENE	17.297	152710	0.4536
M,P-XYLENES	17.680	668739	1.6669
O-XYLENE	18.850	122815	0.3751
BFB	19.897	52852068	96.9619

