SDMS DOCID # 1150054

PROJECT: 063-008

FINAL SOILS INVESTIGATION
ADMINISTRATIVE BUILDING/LAKELAND PROPERTY
12354 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

February 7, 1997

97 FEB 13 AM 11:53

Prepared for:

Powerine Oil Company
12354 Lakeland Road
Santa Fe Springs, CA 90670

Prepared by:

TriHydro Corporation
920 Sheridan Street
Laramie, WY 82070

TriHydro Corporation

920 Sheridan Street
Laramie, Wyoming 82070

(307) 745-7474
FAX: (307) 745-7729

CERTIFICATION

I certify that the work presented in this report was performed under my supervision. To the best of my knowledge, the data contained herein are true and accurate and the work was performed in accordance with professional standards.

REGISTERED GEOLOGIST
LINDA J. BARNES
No. RG6423
STATE OF CALIFORNIA

2-7-96

Linda J. Barnes Date
California Registered Geologist #6423
License expires October 31, 1997

TABLE OF CONTENTS

Page

Introduction 1

Property Use 1

Regional and Site Hydrogeology 1

Groundwater Conditions 2
- Groundwater Flow Directions 2
- Groundwater Quality 2

Existing Soil Data 3

Soils Investigation Procedures 3
- Borehole Drilling 3
- Soil Sample Collection 3
- Equipment Decontamination 4
- Borehole Abandonment/Soil Cuttings Disposal 4
- Laboratory Analyses 4

Lithology 5

Soil Quality Analytical Results 5

LIST OF APPENDICES

Appendix

A HISTORICAL GROUNDWATER DATA

B BOREHOLE LOGS

C LABORATORY DATA SHEETS

D CHAIN-OF-CUSTODY/SAMPLE-ANALYSIS-REQUEST FORMS

LIST OF TABLES

Table

1 Summary of Total Organic Vapor Readings Measured with a PID, Lakeland Property Investigation, Powerine Oil Company, Santa Fe Springs, California

2 Summary of Soil Samples Submitted for Laboratory Chemical Analyses, Lakeland Property, Powerine Oil Company, Santa Fe Springs, California

LIST OF FIGURES

Figure

1 General Location Map, Powerine Refinery and Lakeland Property, Santa Fe Springs, California

2 Lakeland Property, Current and Historical Uses and Borehole Location Map, Powerine Oil Company, Santa Fe Springs, California

3 Groundwater Elevation Contour Map, December 1996, Powerine Oil Company, Santa Fe Springs, California

4 Groundwater Elevation Contour Map, December 1995, Powerine Oil Company, Santa Fe Springs, California

5 Isoconcentration Map, Benzene, Powerine Oil Company, Santa Fe Springs, California (December 1996)

6 Isoconcentration Map, Total Petroleum Hydrocarbons as Gasoline, Powerine Oil Company, Santa Fe Springs, California (December 1996)

7 Isoconcentration Map, Benzene, Powerine Oil Company, Santa Fe Springs, California (December 1995)

8 Isoconcentration Map, Total Petroleum Hydrocarbons as Gasoline, Powerine Oil Company, Santa Fe Springs, California (December 1995)

PLATE

Plate

1 Summary of Soil Analytical Data, Shallow and Deep Soils Investigations, Lakeland Terminal Property, Powerine Oil Company, Santa Fe Springs, California

Introduction

Powerine Oil Company (POC) recently (January 1997) completed a deep soils investigation at the Administrative Building Property (Lakeland Property; 12345 Lakeland Road) situated south of the Powerine Refinery, Santa Fe Springs, California (Figure 1). The assessment consisted of the installation of seven soil borings at the site drilled to an average depth of 75 feet below ground surface (ft-bgs). This assessment supplements a previous investigation conducted at the facility in November 1996, during which 29 soil borings were drilled to an average depth of 22 ft-bgs using a Geoprobe sampling rig.

During the previous November investigation, the Geoprobe rig had met refusal at several of the boreholes at the Lakeland Property at approximately 20 feet below ground surface. In many of these cases, field screening and analytical laboratory data indicated that petroleum constituents were present at the total depth of the boreholes. In January 1997, a hollow-stem auger drill rig equipped with a split spoon sampling assemblage was used to collect deeper soil samples for analysis in order to complete vertical definition of subsurface soils impacts.

The purpose of the deep soils investigation was to delineate vertical extent of soil impacts in several areas of the facility. Powerine collected additional soils data during this investigation to use in the preparation of a risk assessment for the site. Soil analyses were collected pursuant to Powerine's Regional Water Quality Control Board (RWQCB) approved Workplans dated November 7, 1996 and November 14, 1996. RWQCB correspondence dated November 14, 1996 approved investigative methods for this property.

Property Use

The Lakeland Property consists of approximately 13 acres which has historically been used as Administrative Building employee parking and to store refined petroleum products. The property has been divided into ten areas, grouped by known current and past property uses. These areas are depicted on Figure 2. Detailed descriptions of past and current property uses were described in the December 17, 1996 report, "Soils Investigation, Administrative Building/Lakeland Property, 12354 Lakeland Road, Santa Fe Springs, California," prepared by TriHydro Corporation.

Regional and Site Hydrogeology

The Lakeland Property is underlain by interbedded lenses of silty clays to clayey silts, silts to sandy silts, and silty sands to sands. The uppermost layer underlying the site consists of silty clay and clayey silt ranging in thickness from four feet to 30 feet. These unconsolidated units slope gently to the southwest. Finer-grained sediments are typically more prevalent on the western part of the property, while coarser grained sediments are found along the eastern portion of the property.

The uppermost water bearing unit underlying the property is the Exposition Aquifer of the Lakewood Formation. The Exposition Aquifer is the hydrogeologic equivalent to the Artesia Aquifer, which is encountered south of the Lakeland Property. The Exposition is comprised of lenticular beds of permeable coarse gravels and less permeable, finer grained sediments and clays. An unnamed aquiclude separates the Exposition from underlying water-bearing horizons.

A more detailed discussion of the regional and site hydrogeology summarized from the California Department of Water Resources, Bulletin No. 104, and based in part on Powerine's well logs, was provided in the RWQCB approved workplan dated November 7, 1996.

Groundwater Conditions

Powerine Oil Company's (POC) groundwater monitoring well network consists of 23 wells located on and near the Lakeland Property. Powerine has been measuring fluid levels and monitoring groundwater quality at the facility (including the Administrative Building/Lakeland Property) since June 1988. The most recent groundwater monitoring event was conducted in December 1996.

Groundwater Flow Directions

Recent and historical groundwater elevation data are summarized in Table A-1 of Appendix A. Groundwater flow directions at the facility have consistently been to the south over the past eight years. Since monitoring began, the hydraulic gradient under the refinery and adjacent properties has ranged from 0.007 to 0.009 feet/foot. A groundwater elevation contour map based on the December 1996 fluid level measurements is provided on Figure 3, which reflects a hydraulic gradient of 0.008 feet/foot. The December 1995 groundwater elevation contour map is presented in Figure 4 for comparison.

Groundwater Quality

A summary of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPH-G) concentrations detected in Powerine groundwater monitoring wells since 1988 is presented in Table A-2 of Appendix A. Isoconcentration maps for benzene and TPH-G based on the December 1996 monitoring event are shown on figures 5 and 6. For comparison, isoconcentration maps for these same two constituents based on the December 1995 monitoring event are provided in figures 7 and 8. Based on these figures and the analytical data presented in Table A-2, there has been only minimal variations in monitoring wells in which TPH-G and BTEX constituents have been detected over the past eight years.

Existing Soil Data

Soil data from the site has been obtained during the removal of three gasoline underground storage tanks, from borings created while installing wells MW-206, MW-501, MW-502, and MW-503, and from the shallow soils investigation conducted at the site in November, 1996. Figure 2 shows the locations of the wells and shallow soil borings. A summary of all known analytical soils data for the site is provided on Plate 1 of this report.

Soils Investigation Procedures

Seven additional boreholes were drilled to an average depth of 75 feet below ground surface during this investigation (Figure 2). Borings were drilled to a minimum depth of 70 ft-bgs (see borehole logs in Appendix B). Soil samples were collected and analyzed from each borehole. Drilling and sampling procedures and the results of the laboratory analyses are provided in the following sections.

Borehole Drilling

All of the boreholes were drilled by H.F. Drilling, Fullerton, California. Six of the boreholes were installed using a Failing F-10 hollow stem auger (HSA) drill rig and the remaining borehole was installed using a Mobile B-41 HSA rig. Borehole locations were selected by Powerine based on results of the previous shallow soils investigation and data requirements for the risk assessment. Prior to drilling at each borehole location, underground utilities were marked. Field personnel used a hand auger to verify that no underground conflicts were present.

Borehole locations are shown on Figure 2. The boreholes were drilled to an average depth of 75 feet below ground surface (ft-bgs). Lithologic descriptions for each borehole were recorded on log-of-borehole forms (included in Appendix B). All field activities were supervised by a California Registered Geologist.

Soil Sample Collection

Soil samples were collected at five foot intervals from each borehole using an 18-inch long, 2.5-inch diameter split spoon sampler, fitted with three 6-inch long brass liners. At three of the deep soil borings (PTR-3, PTR-4, and PTR-6) installed immediately adjacent to existing shallow boreholes (PT-3, PT-6, and PT-7, respectively), no soil samples were collected in the shallow subsurface.

After each sampled interval was brought to the surface, the brass liners containing the soil sample aliquots were removed from the sampler and handled as follows:

- The two bottom liners from each sampling interval were checked to ensure that they contained no headspace and then immediately capped with teflon sheeting and plastic end caps and placed on ice for possible laboratory analysis.

- An aliquot of soil from the remaining liner was placed into a sealed plastic bag for lithologic logging and soil gas headspace field screening.

- Lithology and soil gas headspace field screening results were recorded for each sample interval.

- One or two brass liners were submitted to the laboratory for analyses.

The plastic bag containing the soil sample for field screening and lithologic description was shaken to enhance volatilization and allowed to equilibrate to ambient temperature. Each soil sample was field screened by inserting the probe of a photoionization detector (PID) through a small hole in the plastic bag and measuring the headspace total organic vapor (TOV) concentrations. The PID was calibrated prior to use at the beginning of each day with a factory prepared 100 parts per million (ppm) isobutylene standard. The PID was checked at regular intervals throughout the investigation to ensure accurate TOV measurements.

The highest TOV field screening measurement was recorded for each sampled interval. The TOV concentrations are reported relative to the isobutylene standard. Borehole logs containing lithologic descriptions and TOV field screening results are provided in Appendix B. Table 1 summarizes TOV readings by depth for each borehole.

Equipment Decontamination

All downhole drilling and sampling equipment was decontaminated prior to use at each borehole and sampling interval. The samplers were scrubbed with a brush in a detergent and water wash and rinsed with water. All drilling equipment was steam cleaned. Decontamination water was contained in 55-gallon drums and transported to the refinery for disposal/recycling.

Borehole Abandonment/Soil Cuttings Disposal

At the completion of sampling activities, all boreholes were filled to ground surface with bentonite granules. All soils generated during drilling and sampling were placed in 55-gallon drums, labeled, and temporarily stored at the site pending appropriate handling by Powerine personnel.

Laboratory Analyses

Soil samples were submitted to State certified laboratories for analyses by the following EPA methods:

- Method 8015(m) -- Total Petroleum Hydrocarbons modified for the C_6-C_{44+} Range by Gas Chromatography

- Method 8020 -- Aromatic Volatile Organics by Gas Chromatography for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), and MTBE

- Method 8260 -- Volatile Organic Compounds including MTBE by Gas Chromatography/Mass Spectrometry

- Method 8310 -- Polynuclear Aromatic Hydrocarbons by High Pressure Liquid Chromotography.

Not every sample was analyzed for every listed EPA Method. Table 2 summarizes the analyses completed on each of the submitted samples. In addition, several of the samples were submitted to a laboratory for the analysis of the following physical data for use in the risk assessment:

- Total organic content (by Walkley-Black)

- Dry bulk density (ASTM Method D2937)

- Porosity (ASTM Methods D2937/D854)

- Intrinsic Permeability (ASTM Method D5084)

- Moisture Content (ASTM Method D2216)

Lithology

Based on the borehole logs from this investigation (Appendix B), the Lakeland Property is underlain by a clayey silt/silty clay layer which ranges in thickness from 15 to 30 feet. This low permeable layer overlies a fine grained sand and silty sand layer which extends to groundwater. These silty sand units are interbedded with thin layers of clayey silt/silty clay. Based on the borehole logs provided in Appendix B, there appears to be a continuous clayey silt/silty clay layer ranging in thickness from less than 5 feet to greater than 10 feet under the loading rack and tank farm areas. The water bearing zone underlying the site is composed of a medium to coarse grained sand.

Soil Quality Analytical Results

Soil analyses by EPA Methods 8015 and 8020 were conducted by Jones Environmental Testing Laboratories, Fullerton, California, using an onsite mobile laboratory. The remaining organic analyses were conducted by BC Laboratories, Bakersfield, California. Laboratory quality assurance/quality control (QA/QC) data were reported by both laboratories to be within acceptable limits for the analytical methods performed. Analysis for the physical parameters were evaluated by Environmental GeoTech, Santa Fe Springs, California.

The soil analytical results are summarized on Plate 1. Previous site data are also included on Plate 1. Laboratory analytical reports are presented in Appendix C. Chain-of-custody forms for the submitted samples are included in Appendix D. Physical parameter results are not provided in this report, nor included on Plate 1, since these results will be submitted with Powerine's risk assessment.

Based on analytical data from the seven deep soil borings, hydrocarbon related soils impacts are present at depth in the vicinity of Area 1 (Loading Racks, Tanks, and Scales). Deep boreholes PTR-1, PTR-5, PTR-6, and PTR-7 appear to be located near the lateral extent of hydrocarbon impacted soil.

In PTR-2, total petroleum hydrocarbons (TPH) from C_6-C_{44+} were detected in concentrations ranging from non-detect (65 ft-bgs) to 27,000 mg/kg (45 ft-bgs). Benzene was detected in samples collected from this borehole in concentrations ranging from non-detect (65 ft-bgs) to 130 mg/kg (60 ft-bgs). TPH was detected in PTR-3 at concentrations ranging from 680 mg/kg (65 ft-bgs) to 14,500 mg/kg (30 ft-bgs); benzene ranged from 1.2 mg/kg (65 ft-bgs) to 200 mg/kg (30 ft-bgs). And in PTR-4, TPH ranged from 300 mg/kg (35 ft-bgs) to 870 mg/kg (45 ft-bgs) and benzene ranged from 0.46 mg/kg (65 ft-bgs) to 25 mg/kg (45 ft-bgs).

Depth to groundwater under the Lakeland Property is approximately 75 to 80 feet below ground surface. Based on routine groundwater sampling activities conducted by Powerine Oil Company, groundwater underlying the Lakeland Property is known to be impacted by petroleum hydrocarbons. As a result, soil impacts detected below approximately 65 to 70 feet below ground surface during the soils investigation at the Lakeland Property may be the result of groundwater table fluctuations.

Methyl-tertiary-butyl ether (MTBE) was detected during the EPA Method 8260 analyses of five of the samples from the vicinity of Area 1. The detected MTBE concentrations ranged from 0.05 mg/kg (PTR-7 55 ft-bgs) to 3.3 mg/kg (PTR-2 15 ft-bgs).

TABLES

Table 1. Summary of Total Organic Vapor Readings Measured with a PID, Lakeland Property Deep Soils Investigation, Powerine Oil Company, Santa Fe Springs, California.

Sampling Interval (ft-bgs)	Borehole						
	PTR-1	PTR-2	PTR-3	PTR-4	PTR-5	PTR-6	PTR-7
	Total Organic Vapor Reading (in ppm as isobutylene)						
4.5-6	54	7	--	--	2	--	5
9.5-11	263	371	--	--	5	--	57
14.5-16	272	OR	--	--	--	--	287
19.5-21	56	1665	--	--	10	--	1989
24.5-26	32	673	OR	--	42	--	32
29.5-31	284	OR	OR	OR	47	--	850
34.5-36	OR	OR	OR	OR	206	--	306
39.5-41	OR	OR	1807	OR	1598	--	88
44.5-46	OR	OR	1680	OR	663	1090	61
49.5-51	OR	OR	OR	OR	167	529	1049
54.5-56	OR	OR	1888	OR	314	605	1467
59.5-61	OR	OR	1288	OR	56	896	401
64.5-66	--	355	OR	1721	763	331	41
69.5-71	212	84	OR	OR	753	166	32
74.5-76	172	504	OR			44	
79.5-81	OR	OR				OR	
84.5-86		OR					

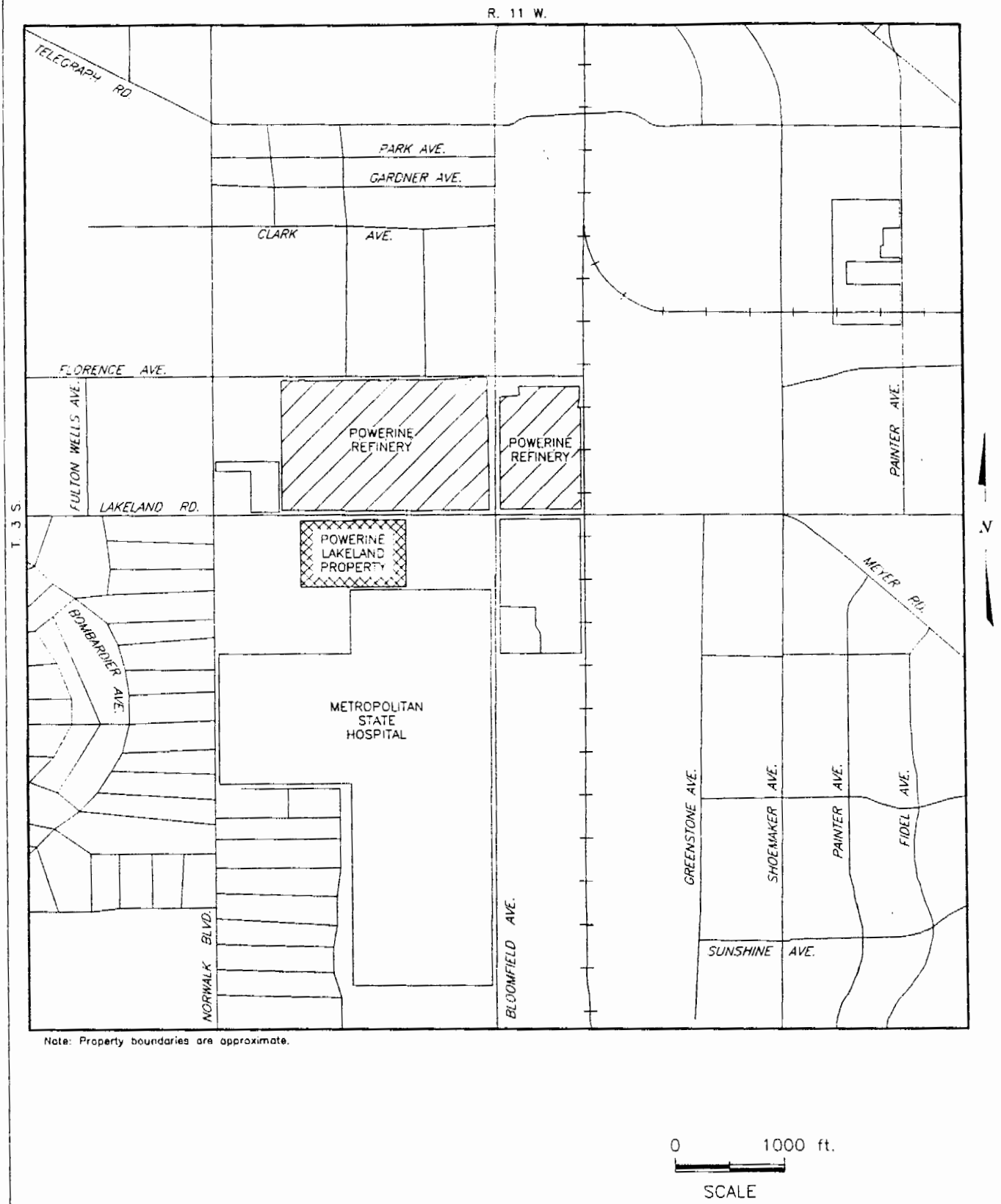
Notes: -- = no PID reading for sampling interval
OR = Overrange reading on PID (>2000 ppm)

Table 2. Summary of Soil Samples Submitted for Laboratory Chemical Analyses, Lakeland Property Deep Soil Borings, Powerine Oil Company, Santa Fe Springs, California.

Boring	Sampling Interval (feet below ground surface)	Jones Analytical (Mobile Lab) TPH C6-C44+ Method 8015m	Jones Analytical (Mobile Lab) BTEX Method 8020	BC Laboratories VOCs Method 8260 & MTBE	BC Laboratories PAHs Method 8310	Environmental GeoTech Physical Data[1]
PTR-1	1.5-2				x	
	14.5-16			x		
	29.5-31	x				
	54.5-56			x		
	59.5-61	x	x			
	69.5-71	x	x			
	74.5-76	x				
PTR-2	9.5-11					x
	14.5-16			x		
	24.5-26	x	x		x	
	34.5-36			x		
	44.5-46	x		x		
	54.5-56					x
	59.5-61			x		
	64.5-66	x	x			
	69.5-71	x	x			
	84.5-86					x
PTR-3	29.5-31	x	x			
	39.5-41			x		
	49.5-51	x	x			
	59.5-61			x		
	64.5-66	x	x			
PTR-4	1.5-2			x	x	
	34.5-36	x	x			
	44.5-46	x	x			
	54.5-56	x				
	59.5-61			x		
	64.5-66	x		x		
PTR-5	1.5-2			x	x	
	39.5-41	x		x		
	49.5-51					x
	54.5-56			x		
	59.5-61		x			
PTR-6	54.5-56	x				
	59.5-61			x		
	64.5-66			x		
PTR-7	19.5-21	x		x		
	29.5-31					x
	34.5-36					x
	54.4-56	x		x		
	59.5-61					x
	64.5-66		x			

Notes: Refer to Figure 2 and/or Plate 1 for borehole locations
TPH C6-C44+ = Total Petroleum Hydrocarbons modified for the C6-C44 ranges
BTEX = benzene, toluene, ethylbenzene, and total xylenes
VOCs = Volatile Organic Compounds
PAHs = Polynucleor Aromatic Hydrocarbons
[1] Physical Data includes total organic content, dry bulk density, porosity, intrinsic permeability, moisture content

FIGURES



Note: Property boundaries are approximate.

FIGURE 1 :GENERAL LOCATION MAP, POWERINE REFINERY AND LAKELAND PROPERTY, SANTA FE SPRINGS, CALIFORNIA

PRAREABA

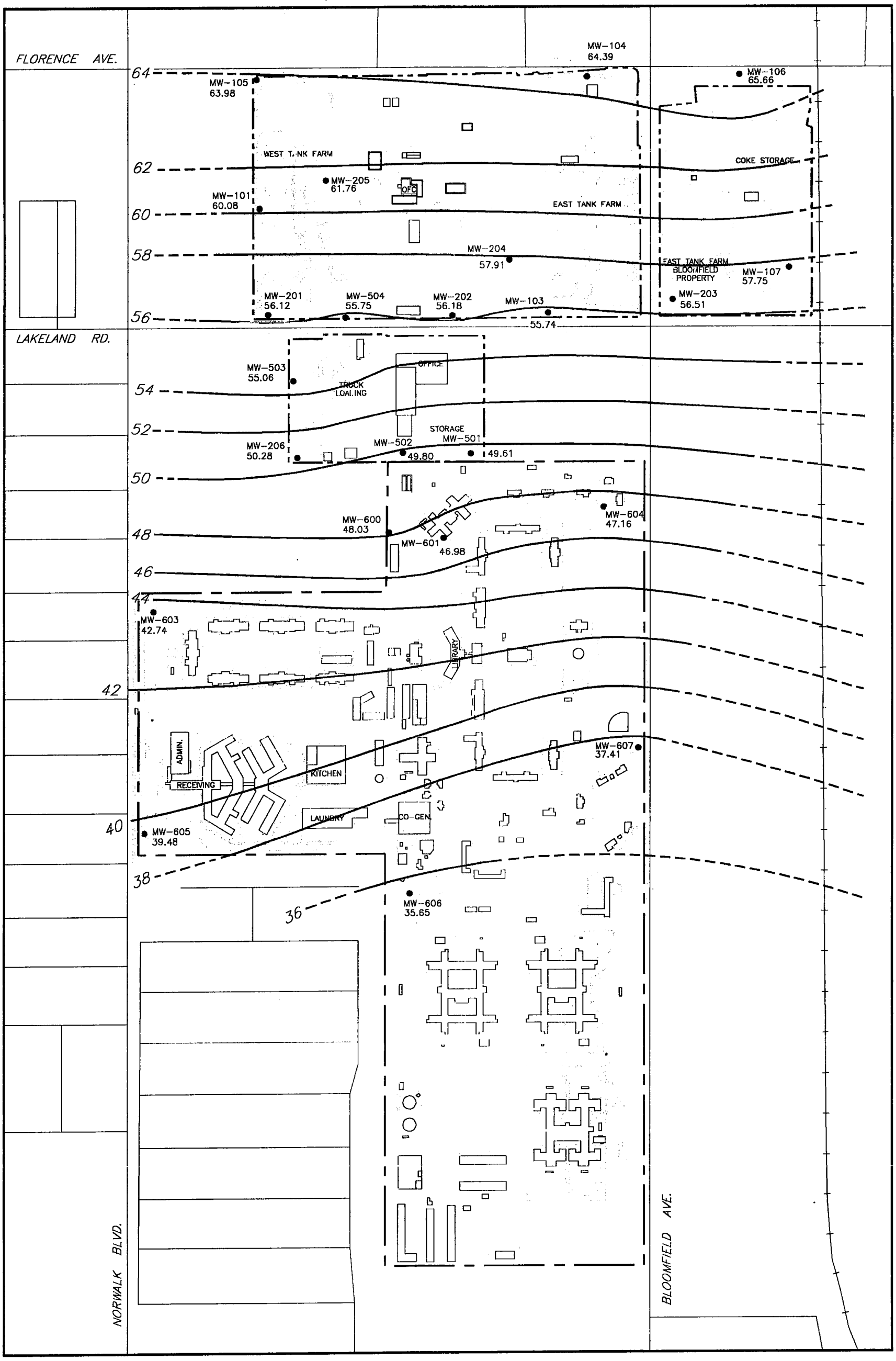


FIGURE 4 :GROUNDWATER ELEVATION MAP, POWERINE REFINERY AREA (December 1995)

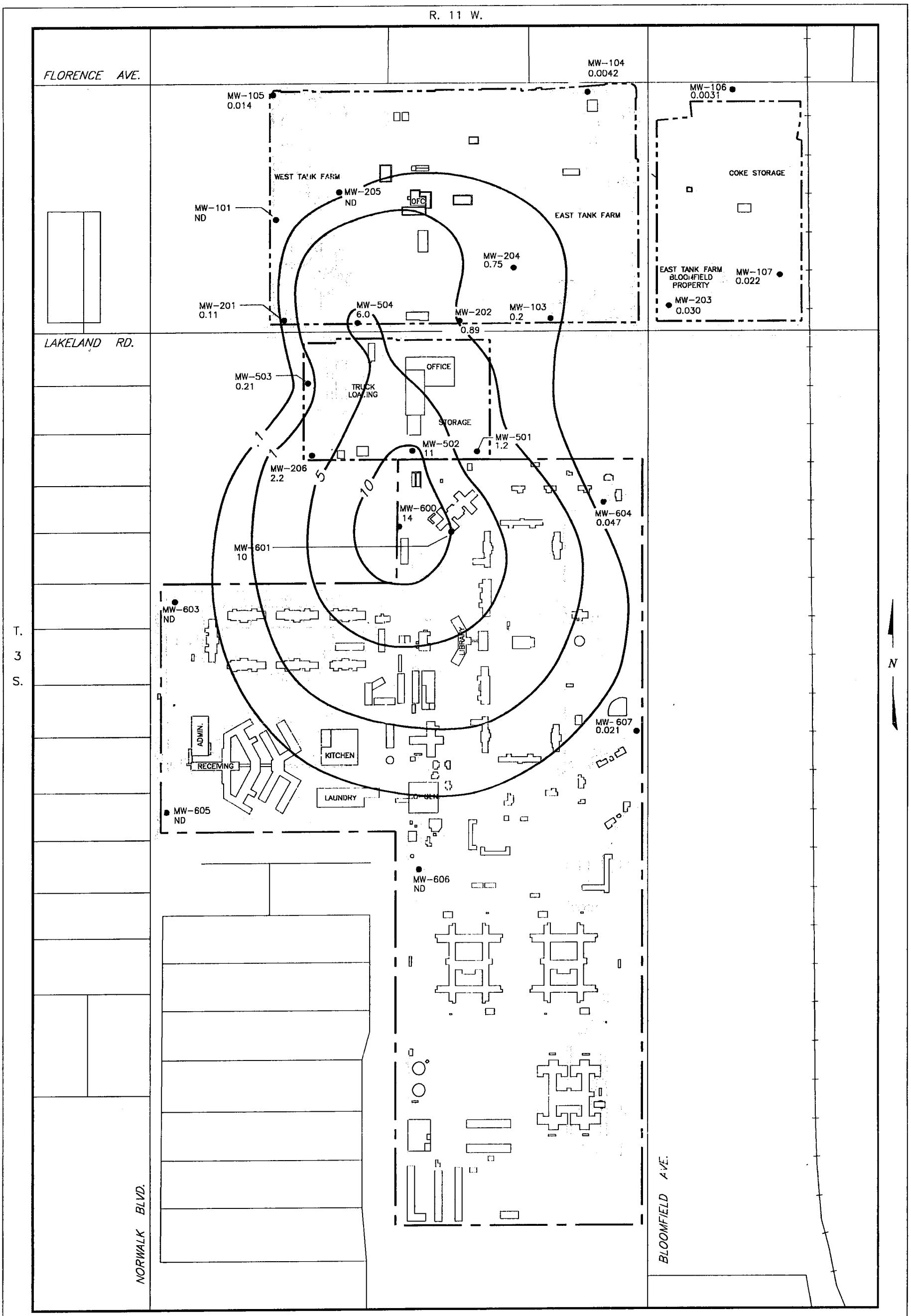


FIGURE 5 :ISOCONCENTRATION MAP, BENZENE, POWERINE OIL COMPANY, SANTA FE SPRINGS, CALIFORNIA (December 1996)

PRBZ1296

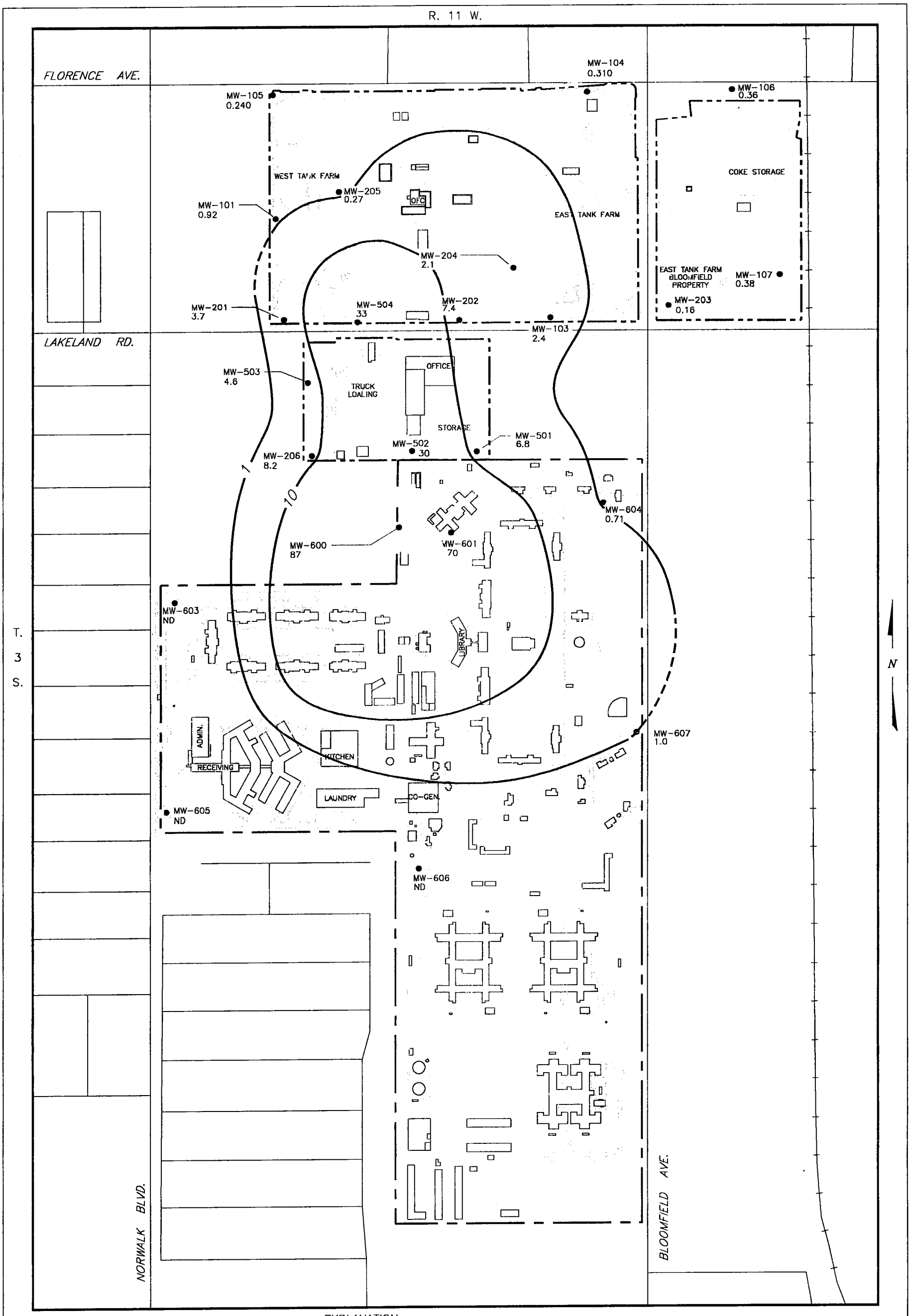


FIGURE 6 :ISOCONCENTRATION MAP, TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, POWERINE REFINERY AREA (December 1996)

PRTH1296

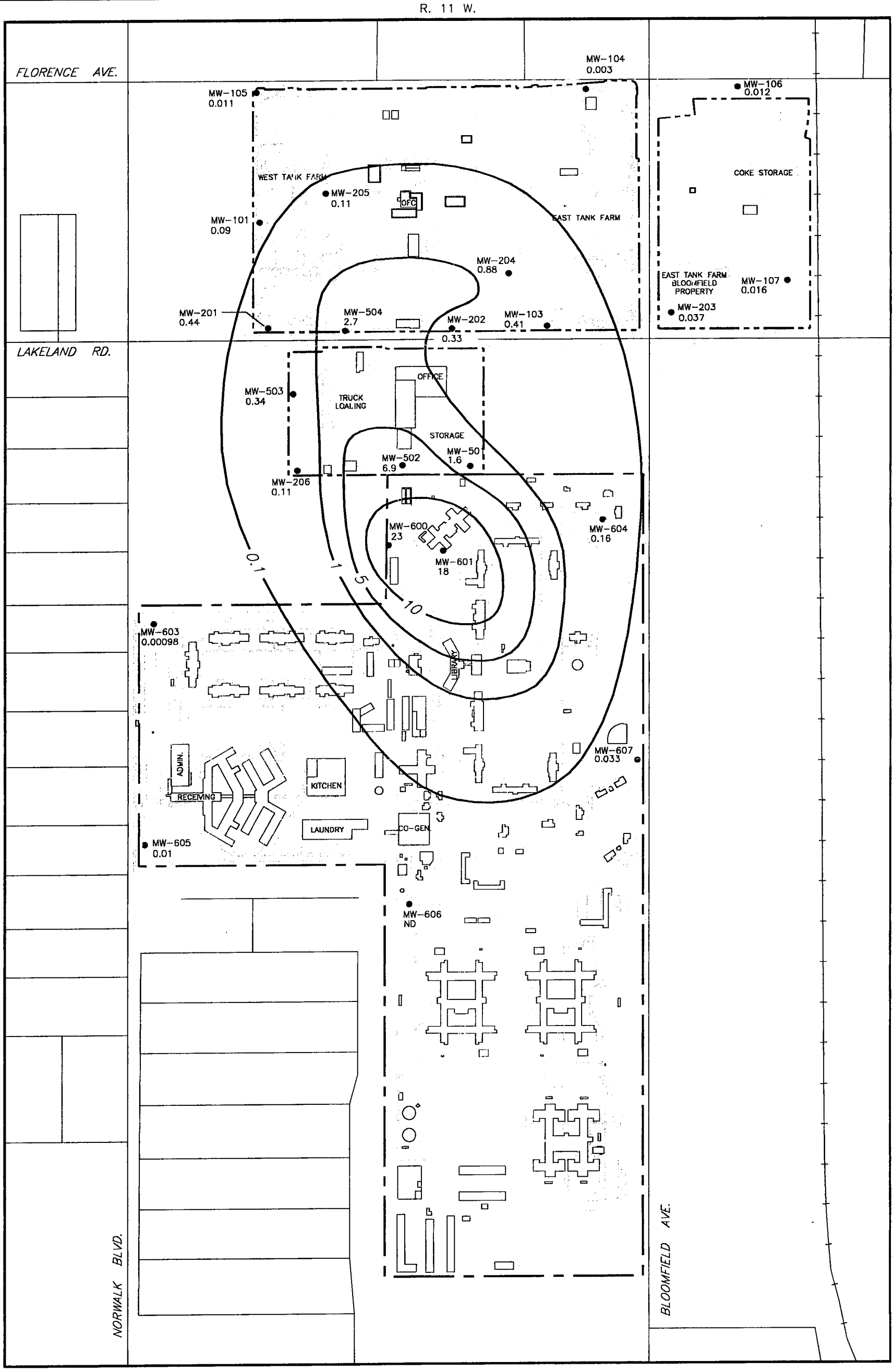
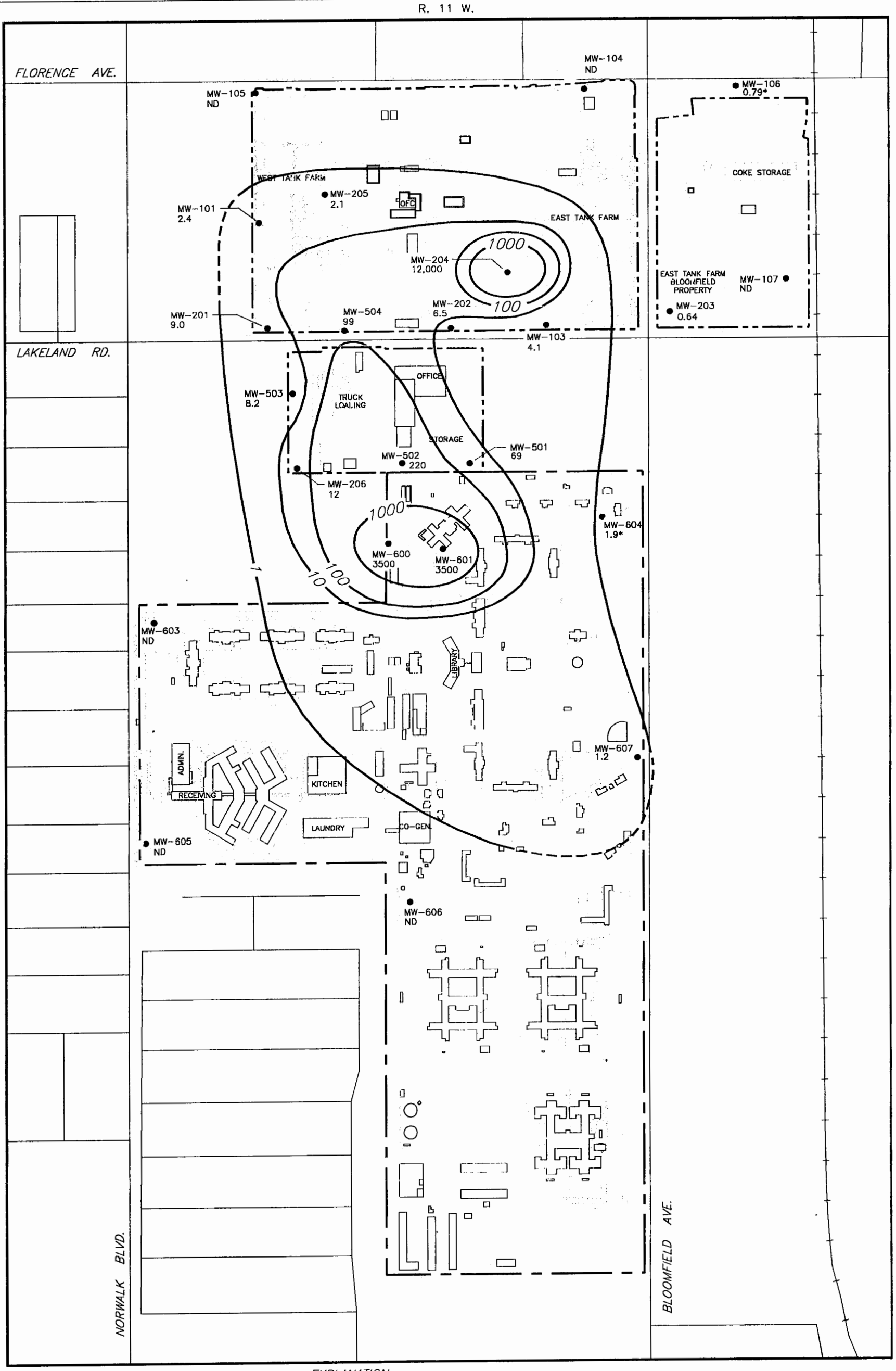


FIGURE 7 :ISOCONCENTRATION MAP, BENZENE, POWERINE REFINERY AREA (December 1995)



EXPLANATION

● MW-605 ND — MONITORING WELL LOCATION AND TPH-G CONCENTRATION (mg/L)

— 100 — LINE OF EQUAL TPH-G CONCENTRATION IN GROUNDWATER (mg/L, dashed where inferred)

— — — POWERINE PROPERTY BOUNDARY

— - — METROPOLITAN STATE HOSPITAL PROPERTY BOUNDARY

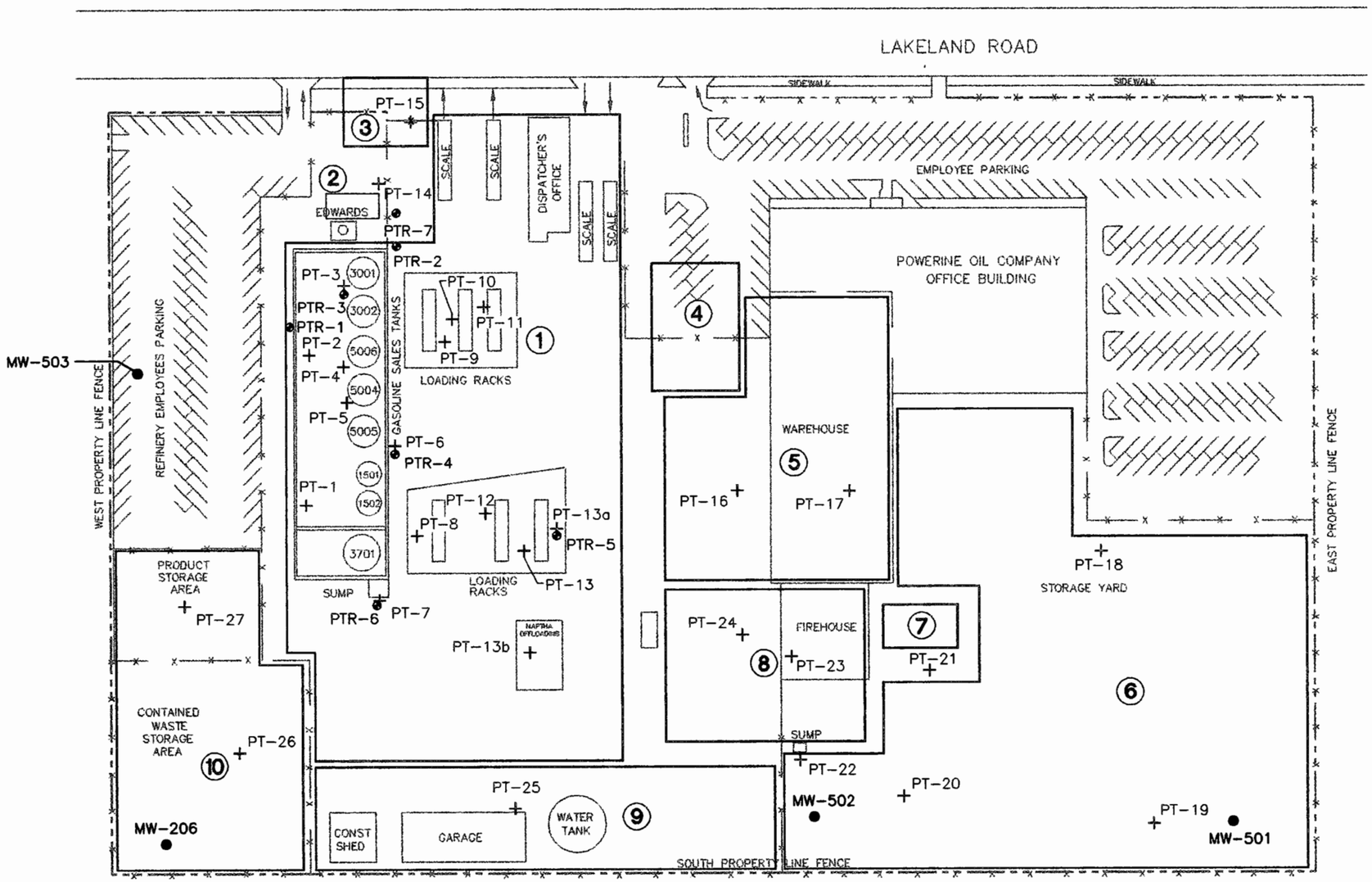
ND = NOT DETECTED

0 500 ft.
SCALE

* = CHROMATOGRAM NOT TYPICAL OF GASOLINE

FIGURE 8 :ISOCONCENTRATION MAP, TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, POWERINE REFINERY AREA (December 1995)

PRTH1295



EXPLANATION

PT-20 SHALLOW BOREHOLE LOCATION (11/96)

MW-501 EXISTING MONITORING WELL LOCATION

PTR-5 DEEP BOREHOLE LOCATION (1/97)

AREA DESCRIPTION

1. LOADING RACKS, TANKS, AND SCALES
2. SAMPLE RETAIN UST
3. INCOMING PIPELINE CORRIDOR
4. FORMER GASOLINE DISPENSING FACILITY
5. WAREHOUSE
6. OUTDOOR STORAGE YARD
7. LUBE OIL UST
8. GARAGE
9. WATER PRODUCTION AND CONST. MATERIALS
10. CONTAINED WASTE/PRODUCT STORAGE

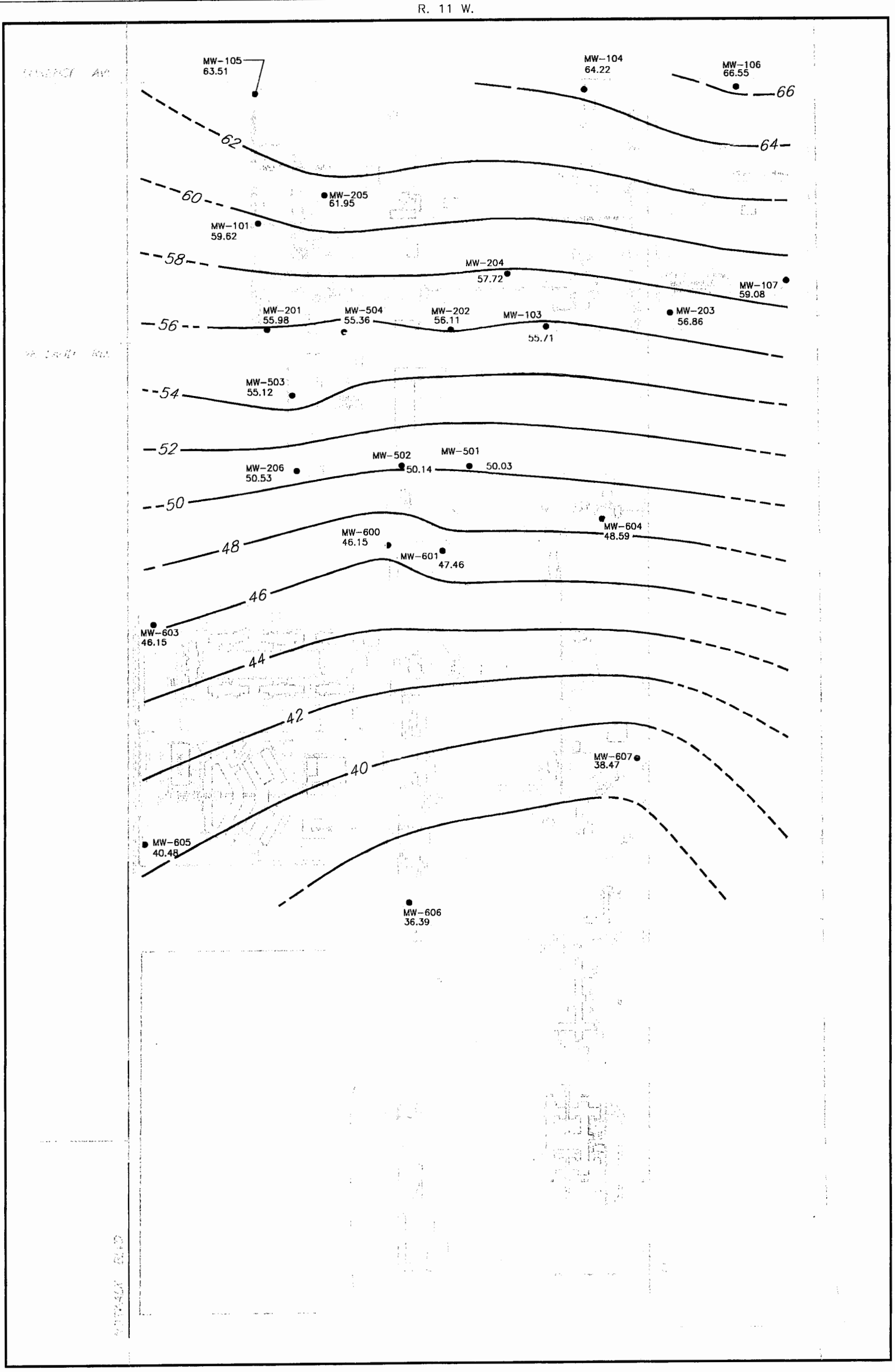
REVISIONS	
Date	By
1/20/97	BW

TriHydro Corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE 2

LAKELAND PROPERTY, CURRENT AND HISTORICAL USES AND BOREHOLE LOCATION MAP

Drawn By: BW	Checked By: CD/LB	SCALE: 1" = 100'	Date: 11/29/96	Disk Reference: PRLSSAMA



EXPLANATION

● MW-605 40.48 — MONITORING WELL LOCATION AND GROUNDWATER ELEVATION (ft-msl)

— 50 — LINE OF EQUAL GROUNDWATER ELEVATION (ft-msl, dashed where inferred)

POWERINE PROPERTY BOUNDARY

METROPOLITAN STATE HOSPITAL PROPERTY BOUNDARY

0 500 ft.
SCALE

FIGURE 3 :GROUNDWATER ELEVATION CONTOUR MAP, POWERINE OIL COMPANY, SANTA FE SPRINGS, CALIFORNIA (December 1996)

PRSW1296

APPENDIX A

HISTORICAL GROUNDWATER DATA

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-101	03/89	134.98	90.28	ND	44.70	--
MW-101	03/91	134.98	91.09	ND	43.89	--
MW-101	03/92	135.23	89.87	ND	45.36	--
MW-101	03/93	135.23	87.35	ND	47.88	--
MW-101	03/94	135.23	78.10	78.08	57.13	0.02
MW-101	03/95	135.23	77.46	ND	57.77	--
MW-101	06/88	134.98	88.66	ND	46.32	--
MW-101	06/91	134.98	90.24	ND	44.74	--
MW-101	06/92	135.23	88.47	ND	46.76	--
MW-101	06/94	135.23	76.38	76.37	58.85	0.01
MW-101	07/96	135.23	74.55	ND	60.68	--
MW-101	09/88	134.98	89.29	ND	45.69	--
MW-101	09/92	135.23	88.60	ND	46.63	--
MW-101	09/93	135.23	82.34	82.33	52.89	0.01
MW-101	09/94	135.23	76.64	76.63	58.59	0.01
MW-101	09/95	135.23	74.75	ND	60.48	--
MW-101	11/93	135.23	80.83	80.82	54.4	0.01
MW-101	12/88	134.98	90.10	ND	44.88	--
MW-101	12/89	134.98	90.29	ND	44.69	--
MW-101	12/91	135.23	90.40	ND	44.83	--
MW-101	12/92	135.23	88.69	ND	46.54	--
MW-101	12/94	135.23	77.57	ND	57.66	--
MW-101	12/95	135.23	75.15	ND	60.08	--
MW-101	12/96	135.23	75.61	ND	59.62	--
MW-103	03/89	136.95	95.68	ND	41.27	--
MW-103	03/91	136.95	96.51	ND	40.44	--
MW-103	03/92	136.95	95.06	ND	41.89	--
MW-103	03/93	136.95	93.15	ND	43.80	--
MW-103	03/94	136.95	84.86	84.85	52.09	0.01
MW-103	03/95	136.95	82.65	ND	54.30	--
MW-103	05/93	136.95	90.90	ND	46.05	--
MW-103	06/88	136.95	93.36	ND	43.59	--
MW-103	06/89	136.95	95.92	ND	41.03	--
MW-103	06/91	136.95	96.08	ND	40.87	--
MW-103	06/92	136.95	93.90	ND	43.05	--
MW-103	06/94	136.95	83.15	83.14	53.80	0.01
MW-103	07/96	136.95	80.41	ND	56.54	--
MW-103	09/88	136.95	93.82	ND	43.13	--
MW-103	09/89	136.95	96.20	ND	40.75	--
MW-103	09/91	136.95	95.92	ND	41.03	--
MW-103	09/92	136.95	93.73	ND	43.22	--
MW-103	09/93	136.95	88.67	ND	48.23	--
MW-103	09/94	136.95	82.70	82.69	54.25	0.01
MW-103	09/95	136.95	81.03	ND	55.92	--
MW-103	11/93	136.95	87.24	ND	49.71	--
MW-103	12/88	136.95	94.76	ND	42.19	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-103	12/89	136.95	96.60	ND	40.35	--
MW-103	12/91	136.95	95.91	ND	41.04	--
MW-103	12/92	136.95	93.99	ND	42.96	--
MW-103	12/94	136.95	83.17	ND	53.78	--
MW-103	12/95	136.95	81.21	ND	55.74	--
MW-103	12/96	136.95	81.24	ND	55.71	--
MW-104	03/89	141.60	89.15	ND	52.45	--
MW-104	03/90	141.60	90.62	ND	50.98	--
MW-104	03/91	141.60	91.12	ND	50.48	--
MW-104	03/92	141.60	90.45	ND	51.15	--
MW-104	03/93	141.60	88.71	ND	52.89	--
MW-104	03/94	141.60	82.33	ND	59.27	--
MW-104	03/95	141.60	79.32	ND	62.28	--
MW-104	05/93	141.60	87.55	ND	54.05	--
MW-104	06/88	141.60	87.95	ND	53.65	--
MW-104	06/89	141.60	89.57	ND	52.03	--
MW-104	06/90	141.60	90.82	ND	50.78	--
MW-104	06/91	141.60	91.02	ND	50.58	--
MW-104	06/92	141.60	89.90	ND	51.70	--
MW-104	06/94	141.60	80.55	ND	61.05	--
MW-104	07/96	141.60	76.75	ND	64.85	--
MW-104	09/88	141.60	88.25	ND	53.35	--
MW-104	09/89	141.60	89.90	ND	51.70	--
MW-104	09/90	141.60	90.96	ND	50.64	--
MW-104	09/91	141.60	90.76	ND	50.84	--
MW-104	09/92	141.60	89.33	ND	52.27	--
MW-104	09/93	141.60	86.15	ND	55.45	--
MW-104	09/94	141.60	79.37	79.36	62.23	0.01
MW-104	09/95	141.60	77.26	ND	64.34	--
MW-104	11/93	141.60	84.05	ND	57.55	--
MW-104	12/88	141.60	88.67	ND	52.93	--
MW-104	12/89	141.60	90.17	ND	51.43	--
MW-104	12/90	141.60	91.13	ND	50.47	--
MW-104	12/91	141.60	90.63	ND	50.97	--
MW-104	12/92	141.60	89.10	ND	52.50	--
MW-104	12/94	141.60	79.50	ND	62.10	--
MW-104	12/95	141.60	77.21	ND	64.39	--
MW-104	12/96	141.60	77.38	ND	64.22	--
MW-105	07/96	138.63	73.85	ND	64.78	--
MW-105	12/96	138.63	75.12	ND	63.51	--
MW-106	07/96	148.41	81.86	ND	66.55	--
MW-106	12/96	148.41	82.05	ND	66.36	--
MW-107	07/96	148.93	89.92	ND	59.01	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-107	12/96	148.93	89.85	ND	59.08	--
MW-201	03/89	132.91	92.84	ND	40.07	--
MW-201	03/90	132.91	94.91	ND	38.00	--
MW-201	03/91	132.91	93.88	ND	39.03	--
MW-201	03/92	132.91	91.30	ND	41.61	--
MW-201	03/93	132.91	88.84	ND	44.07	--
MW-201	03/94	132.91	79.76	79.75	53.15	0.01
MW-201	03/95	132.91	77.87	ND	55.04	--
MW-201	05/93	132.91	86.33	ND	46.58	--
MW-201	06/88	132.91	90.05	ND	42.86	--
MW-201	06/89	132.91	93.00	ND	39.91	--
MW-201	06/90	132.91	94.48	ND	38.43	--
MW-201	06/91	132.91	93.05	ND	39.86	--
MW-201	06/92	132.91	90.10	ND	42.81	--
MW-201	06/94	132.91	78.06	78.05	54.85	0.01
MW-201	07/96	132.91	76.00	ND	56.91	--
MW-201	09/88	132.91	90.77	ND	42.14	--
MW-201	09/89	132.91	93.60	ND	39.31	--
MW-201	09/90	132.91	94.85	ND	38.06	--
MW-201	09/91	132.91	93.57	ND	39.34	--
MW-201	09/92	132.91	90.40	ND	42.51	--
MW-201	09/93	132.91	84.47	84.45	48.44	0.02
MW-201	09/94	132.91	78.46	78.45	54.45	0.01
MW-201	09/95	132.91	76.53	ND	56.38	--
MW-201	12/88	132.91	92.24	ND	40.67	--
MW-201	12/89	132.91	94.51	ND	38.40	--
MW-201	12/90	132.91	95.43	ND	37.48	--
MW-201	12/91	132.91	92.90	ND	40.01	--
MW-201	12/92	132.91	90.29	ND	42.62	--
MW-201	12/93	132.91	82.75	82.74	50.16	0.01
MW-201	12/94	132.91	79.10	ND	53.81	--
MW-201	12/95	132.91	76.79	ND	56.12	--
MW-201	12/96	132.91	76.93	ND	55.98	--
MW-202	03/94	137.89	85.36	85.35	52.53	0.01
MW-202	03/95	137.89	83.10	ND	54.77	--
MW-202	06/94	137.89	83.53	83.52	54.36	0.01
MW-202	07/96	137.89	80.90	ND	56.99	--
MW-202	09/93	137.89	89.36	89.35	48.53	0.01
MW-202	09/94	137.87	83.32	83.31	54.55	0.01
MW-202	09/95	137.89	81.44	ND	56.43	--
MW-202	11/93	137.89	87.85	ND	50.04	--
MW-202	12/94	137.89	83.88	83.87	53.99	0.01
MW-202	12/95	137.89	81.71	ND	56.16	--
MW-202	12/96	137.89	81.78	ND	56.11	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-203	03/89	143.89	97.15	ND	46.74	--
MW-203	03/90	143.89	98.72	ND	45.17	--
MW-203	03/91	143.89	99.23	ND	44.66	--
MW-203	03/92	143.89	98.39	ND	45.5	--
MW-203	03/93	143.89	97.13	ND	46.76	--
MW-203	03/94	143.89	92.27	92.25	51.12	0.02
MW-203	03/95	143.89	89.03	ND	54.36	--
MW-203	05/93	143.89	96.14	ND	47.25	--
MW-203	06/88	143.89	95.98	ND	47.91	--
MW-203	06/89	143.89	97.50	ND	46.39	--
MW-203	06/90	143.89	98.88	ND	45.01	--
MW-203	06/91	143.89	99.19	ND	44.7	--
MW-203	06/92	143.89	97.76	ND	46.13	--
MW-203	06/94	143.89	90.68	90.67	52.71	0.01
MW-203	07/96	143.89	86.53	ND	57.36	--
MW-203	09/88	143.89	96.30	ND	47.59	--
MW-203	09/89	143.89	97.85	ND	46.04	--
MW-203	09/90	143.89	99.09	ND	44.80	--
MW-203	09/91	143.89	98.93	ND	44.96	--
MW-203	09/92	143.89	97.47	ND	46.42	--
MW-203	09/93	143.89	95.81	ND	47.58	--
MW-203	09/94	143.89	89.61	89.60	53.78	0.01
MW-203	09/95	143.89	87.47	ND	56.48	--
MW-203	11/93	143.89	93.84	93.83	49.55	0.01
MW-203	12/88	143.89	96.76	ND	47.13	--
MW-203	12/89	143.89	98.19	ND	45.70	--
MW-203	12/90	143.89	99.55	ND	44.34	--
MW-203	12/91	143.89	98.84	ND	45.05	--
MW-203	12/92	143.89	97.50	ND	46.39	--
MW-203	12/94	143.89	89.41	ND	53.98	--
MW-203	12/95	143.89	87.38	ND	56.57	--
MW-203	12/96	143.89	87.03	ND	56.86	--
MW-204	03/89	140.14	97.53	ND	42.62	--
MW-204	03/90	140.14	99.19	ND	41.21	--
MW-204	03/91	140.14	98.61	ND	41.53	--
MW-204	03/92	140.14	96.45	ND	43.69	--
MW-204	03/93	140.14	94.03	ND	46.11	--
MW-204	03/94	140.14	85.90	85.89	54.24	0.01
MW-204	03/95	140.14	833.76	ND	56.38	--
MW-204	05/93	140.14	91.83	ND	48.31	--
MW-204	06/88	140.14	94.95	ND	45.19	--
MW-204	06/89	140.14	97.68	ND	42.46	--
MW-204	06/90	140.14	98.95	ND	41.21	--
MW-204	06/91	140.14	97.85	ND	42.29	--
MW-204	06/92	140.14	95.07	ND	45.07	--
MW-204	06/94	140.14	84.09	84.08	56.05	0.01

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-204	07/96	140.14	81.50	ND	58.64	--
MW-204	09/88	140.14	95.43	ND	44.71	--
MW-204	09/89	140.14	98.00	ND	42.14	--
MW-204	09/90	140.14	99.08	ND	41.06	--
MW-204	09/91	140.14	97.59	ND	42.55	--
MW-204	09/92	140.14	94.91	ND	45.23	--
MW-204	09/93	140.14	89.56	89.55	50.58	0.01
MW-204	09/94	140.14	83.71	83.70	56.43	0.01
MW-204	09/95	140.14	81.98	ND	58.16	--
MW-204	11/93	140.14	88.10	88.09	52.04	0.01
MW-204	12/88	140.14	96.57	ND	43.57	--
MW-204	12/89	140.14	98.70	ND	41.44	--
MW-204	12/90	140.14	99.50	ND	40.64	--
MW-204	12/91	140.14	97.50	ND	42.64	--
MW-204	12/92	140.14	95.08	ND	45.06	--
MW-204	12/94	140.14	84.31	ND	55.31	--
MW-204	12/95	140.14	82.23	ND	57.91	--
MW-204	12/96	140.14	82.42	ND	57.72	--
MW-205	03/89	138.17	92.88	ND	45.29	--
MW-205	03/90	138.17	94.20	ND	43.97	--
MW-205	03/91	138.17	93.49	ND	44.68	--
MW-205	03/92	138.04	90.92	ND	47.12	--
MW-205	03/93	138.04	88.60	ND	49.44	--
MW-205	03/94	138.04	79.55	79.54	58.49	0.01
MW-205	03/95	138.04	77.80	ND	61.24	--
MW-205	03/95	138.04	77.80	ND	61.24	--
MW-205	05/93	138.04	85.92	ND	52.12	--
MW-205	06/88	138.17	90.15	ND	48.02	--
MW-205	06/89	138.17	92.80	ND	45.37	--
MW-205	06/90	138.17	94.12	ND	44.05	--
MW-205	06/91	138.17	92.64	ND	45.53	--
MW-205	06/92	138.04	89.59	ND	48.45	--
MW-205	06/94	138.04	77.75	77.74	60.29	0.01
MW-205	07/96	138.04	75.74	ND	62.30	--
MW-205	09/88	138.17	90.67	ND	47.5	--
MW-205	09/89	138.17	93.20	ND	44.97	--
MW-205	09/90	138.17	93.85	ND	44.32	--
MW-205	09/91	138.17	92.45	ND	45.72	--
MW-205	09/92	138.04	89.61	ND	48.43	--
MW-205	09/93	138.04	83.56	83.55	54.48	0.01
MW-205	09/94	138.04	77.80	77.79	60.24	0.01
MW-205	09/95	138.04	75.91	ND	63.13	--
MW-205	11/93	138.04	82.00	ND	56.04	--
MW-205	12/88	138.17	91.92	ND	46.25	--
MW-205	12/89	138.17	94.05	ND	44.12	--
MW-205	12/90	138.17	94.80	ND	43.9	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-205	12/91	138.04	92.65	ND	45.39	--
MW-205	12/92	138.04	89.65	ND	48.39	--
MW-205	12/94	138.04	78.76	ND	59.28	--
MW-205	12/95	138.04	76.28	ND	62.70	--
MW-205	12/96	138.04	76.09	ND	61.95	--
MW-206	03/89	129.93	95.20	ND	34.73	--
MW-206	03/90	129.93	97.75	ND	32.18	--
MW-206	03/91	129.93	96.92	ND	33.01	--
MW-206	03/92	129.93	94.32	ND	35.61	--
MW-206	03/93	129.93	91.91	ND	38.02	--
MW-206	03/94	129.93	82.89	82.88	47.04	0.01
MW-206	03/95	129.93	80.33	ND	49.60	--
MW-206	05/93	129.93	89.60	ND	40.33	--
MW-206	06/88	129.93	92.37	ND	37.56	--
MW-206	06/89	129.93	95.55	ND	34.38	--
MW-206	06/90	129.93	97.48	ND	32.45	--
MW-206	06/91	129.93	96.11	ND	33.82	--
MW-206	06/92	129.93	93.45	ND	36.48	--
MW-206	06/94	129.93	81.30	81.29	48.63	0.01
MW-206	07/96	129.93	78.57	ND	51.36	--
MW-206	09/88	129.93	93.37	ND	36.56	--
MW-206	09/89	129.93	96.88	ND	33.05	--
MW-206	09/90	129.93	98.02	ND	31.91	--
MW-206	09/91	129.93	96.41	ND	33.52	--
MW-206	09/92	129.93	93.97	ND	35.96	--
MW-206	09/93	129.93	87.91	87.90	42.02	0.01
MW-206	09/94	129.93	81.81	81.80	48.12	0.01
MW-206	09/95	129.93	79.68	ND	50.25	--
MW-206	12/88	129.93	94.93	ND	35.00	--
MW-206	12/89	129.93	94.75	ND	44.12	--
MW-206	12/90	129.93	98.64	ND	31.24	--
MW-206	12/91	129.93	96.12	ND	33.81	--
MW-206	12/92	129.93	93.50	ND	36.43	--
MW-206	12/93	129.93	86.43	86.41	43.50	0.02
MW-206	12/94	129.93	82.00	ND	47.93	--
MW-206	12/95	129.93	79.65	ND	50.28	--
MW-206	12/96	129.93	79.40	ND	50.53	--
MW-501	03/89	128.70	94.81	94.06	33.89	0.75
MW-501	03/90	128.70	97.62	96.80	31.08	0.82
MW-501	03/91	128.70	96.83	96.25	31.87	0.58
MW-501	03/92	128.70	94.14	93.93	34.56	0.21
MW-501	03/93	128.70	91.60	ND	37.10	--
MW-501	03/94	128.70	83.19	83.18	45.51	0.01
MW-501	03/95	128.70	80.23	ND	48.47	--
MW-501	05/93	128.70	89.45	ND	39.25	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-501	06/88	128.70	92.46	91.16	36.24	1.30
MW-501	06/89	128.70	94.62	93.81	34.08	0.81
MW-501	06/90	128.70	96.02	95.27	32.68	0.75
MW-501	06/91	128.70	95.94	95.44	32.76	0.50
MW-501	06/92	128.70	92.98	92.97	35.72	0.01
MW-501	06/94	128.70	81.35	81.34	47.35	0.01
MW-501	07/96	128.70	77.84	ND	50.86	--
MW-501	09/88	128.70	94.39	93.03	34.31	1.36
MW-501	09/89	128.70	96.17	95.21	32.53	0.96
MW-501	09/90	128.70	97.80	96.85	30.90	0.95
MW-501	09/91	128.70	96.12	95.62	32.58	0.50
MW-501	09/92	128.70	93.42	93.25	35.28	0.17
MW-501	09/93	128.70	87.77	87.76	40.93	0.01
MW-501	09/94	128.70	81.27	81.26	47.43	0.01
MW-501	09/95	128.70	76.04	ND	52.66	--
MW-501	12/88	128.70	94.41	93.71	34.29	0.70
MW-501	12/89	128.70	97.15	96.32	31.55	0.83
MW-501	12/90	128.70	98.82	97.64	29.88	1.18
MW-501	12/91	128.70	95.91	95.44	32.79	0.47
MW-501	12/92	128.70	92.99	92.85	35.71	0.14
MW-501	12/93	128.70	86.25	86.24	42.45	0.01
MW-501	12/94	128.70	81.50	81.49	46.2	0.01
MW-501	12/95	128.70	79.09	ND	49.61	--
MW-501	12/96	128.70	78.67	ND	50.03	--
MW-502	03/89	131.19	96.75	ND	34.44	--
MW-502	03/90	131.19	100.96	99.23	30.50	1.73
MW-502	03/92	130.82	96.00	95.57	34.82	0.43
MW-502	03/93	130.82	93.30	ND	37.52	--
MW-502	03/94	130.82	84.70	84.69	46.12	0.01
MW-502	03/95	130.82	81.96	ND	48.86	--
MW-502	05/93	130.82	91.13	ND	39.69	--
MW-502	06/88	131.19	94.00	ND	37.19	--
MW-502	06/89	131.19	97.27	94.14	33.92	3.13
MW-502	06/90	131.19	99.16	97.77	32.03	1.39
MW-502	06/91	130.82	97.95	97.21	32.87	0.74
MW-502	06/92	130.82	94.95	94.65	35.87	0.30
MW-502	06/94	130.82	82.99	82.98	47.83	0.01
MW-502	07/96	130.82	79.83	ND	50.99	--
MW-502	09/88	131.19	94.95	ND	36.24	--
MW-502	09/89	131.19	99.08	96.25	32.13	2.83
MW-502	09/91	130.82	98.20	97.46	32.62	0.74
MW-502	09/92	130.82	95.51	95.11	35.31	0.40
MW-502	09/93	130.82	89.45	89.44	41.37	0.01
MW-502	09/94	130.82	83.03	ND	47.79	--
MW-502	09/95	130.82	81.05	ND	49.77	--
MW-502	12/88	131.19	96.35	ND	34.84	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-502	12/89	131.19	100.40	98.65	30.79	1.75
MW-502	12/91	130.82	97.97	97.19	32.95	0.78
MW-502	12/92	130.82	95.14	94.87	35.68	0.27
MW-502	12/93	130.82	87.94	87.93	42.88	0.01
MW-502	12/94	130.82	83.40	ND	47.42	--
MW-502	12/95	130.82	81.02	ND	49.80	--
MW-502	12/96	130.82	80.68	ND	50.14	--
MW-503	03/89	131.43	95.18	ND	36.25	--
MW-503	03/90	131.43	97.54	ND	33.89	--
MW-503	03/91	131.43	96.64	ND	34.79	--
MW-503	03/92	131.43	93.98	ND	37.45	--
MW-503	03/93	131.43	91.67	ND	39.76	--
MW-503	03/94	134.43	82.54	82.53	51.89	0.01
MW-503	03/95	134.43	80.10	ND	54.33	--
MW-503	05/93	134.43	88.78	ND	45.65	--
MW-503	06/88	131.43	92.55	ND	38.88	--
MW-503	06/89	131.43	95.50	ND	35.93	--
MW-503	06/90	131.43	97.30	ND	34.13	--
MW-503	06/91	131.43	95.79	ND	35.64	--
MW-503	06/92	131.43	93.01	ND	38.42	--
MW-503	06/94	134.43	80.95	80.94	53.48	0.01
MW-503	07/96	134.43	78.35	ND	56.08	--
MW-503	09/88	131.43	93.26	ND	38.17	--
MW-503	09/89	131.43	96.30	ND	35.13	--
MW-503	09/90	131.43	97.70	ND	33.73	--
MW-503	09/91	131.43	96.05	ND	35.38	--
MW-503	09/92	131.43	93.52	ND	37.91	--
MW-503	09/93	134.43	87.47	87.45	46.96	0.02
MW-503	09/94	134.43	81.41	81.40	53.02	0.01
MW-503	09/95	134.43	79.34	ND	55.09	--
MW-503	12/88	131.43	94.74	ND	36.69	--
MW-503	12/89	131.43	97.16	ND	34.27	--
MW-503	12/90	131.43	98.27	ND	33.16	--
MW-503	12/91	131.43	95.80	ND	35.63	--
MW-503	12/92	131.43	93.11	ND	38.32	--
MW-503	12/93	134.43	86.02	86.00	48.41	0.02
MW-503	12/94	134.43	81.75	ND	52.68	--
MW-503	12/95	134.43	79.37	ND	55.06	--
MW-503	12/96	134.43	79.31	ND	55.12	--
MW-504	03/89	133.83	96.25	93.50	39.59	2.75
MW-504	03/90	133.83	97.10	95.72	36.73	1.38
MW-504	03/92	134.51	95.55	ND	40.96	--
MW-504	03/93	134.51	91.09	ND	43.42	--
MW-504	03/94	134.51	82.26	82.25	52.25	0.01
MW-504	03/95	134.51	80.06	ND	54.45	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-504	05/93	134.51	88.78	ND	45.73	--
MW-504	06/88	133.83	92.56	90.73	41.27	1.83
MW-504	06/89	133.83	94.36	92.16	39.47	2.20
MW-504	06/90	133.83	95.75	95.13	38.08	0.62
MW-504	06/91	134.51	95.20	ND	39.31	--
MW-504	06/92	134.51	92.28	ND	42.23	--
MW-504	06/94	134.51	80.43	ND	54.08	--
MW-504	07/96	134.51	77.92	ND	56.59	--
MW-504	09/88	133.83	93.98	92.41	41.91	1.57
MW-504	09/89	133.83	99.21	97.15	34.02	2.06
MW-504	09/91	134.51	95.19	ND	39.32	--
MW-504	09/92	134.51	92.47	ND	42.04	--
MW-504	09/93	134.51	86.64	86.63	47.87	0.01
MW-504	09/94	134.51	80.59	80.58	53.92	0.01
MW-504	09/95	134.51	78.55	ND	55.95	--
MW-504	11/93	134.51	85.10	ND	49.41	--
MW-504	12/88	133.83	94.70	92.83	40.53	1.87
MW-504	12/89	133.83	96.80	95.45	37.03	1.35
MW-504	12/90	133.83	97.47	96.31	36.36	1.16
MW-504	12/91	134.51	95.08	ND	39.43	--
MW-504	12/92	134.51	92.32	ND	42.19	--
MW-504	12/94	134.51	81.14	ND	53.37	--
MW-504	12/95	134.51	78.76	ND	55.75	--
MW-504	12/96	134.51	79.15	78.85	55.36	0.3
MW-600	03/91	120.05	89.88	89.00	30.17	0.88
MW-600	03/92	120.05	87.09	86.89	32.96	0.20
MW-600	03/93	120.05	84.63	ND	35.42	--
MW-600	03/94	120.05	76.01	76.00	44.04	0.01
MW-600	03/95	120.05	73.65	73.03	46.40	0.62
MW-600	05/93	120.05	82.52	ND	37.53	--
MW-600	06/91	120.05	89.35	88.45	30.70	0.90
MW-600	06/92	120.05	86.26	86.12	33.79	0.14
MW-600	06/94	120.05	74.40	74.39	45.65	0.01
MW-600	07/96	120.05	73.55	70.59	48.72	2.96
MW-600	09/90	120.05	91.48	90.31	28.57	1.17
MW-600	09/91	120.05	89.64	88.76	30.41	0.88
MW-600	09/92	120.05	86.90	86.69	33.15	0.21
MW-600	09/93	120.05	80.99	80.98	39.06	0.01
MW-600	09/94	120.05	74.73	74.72	45.32	0.01
MW-600	09/95	120.05	73.69	73.30	46.36	0.39
MW-600	12/90	120.05	92.43	90.79	27.62	1.64
MW-600	12/91	120.05	88.91	88.58	31.14	0.33
MW-600	12/92	120.05	86.02	86.00	34.03	0.02
MW-600	12/93	120.05	79.49	79.48	40.56	0.01
MW-600	12/94	120.05	74.90	74.84	45.15	0.06
MW-600	12/95	120.05	72.02	ND	48.03	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
MW-600	12/96	120.05	73.90	71.35	46.15	2.55
MW-601	03/91	125.03	94.84	ND	30.19	--
MW-601	03/92	125.03	92.66	ND	32.37	--
MW-601	03/93	125.03	90.38	ND	34.65	--
MW-601	03/94	125.03	82.01	82.00	43.02	0.01
MW-601	03/95	125.03	79.08	78.98	45.95	0.10
MW-601	05/93	125.03	88.35	ND	36.68	--
MW-601	06/91	125.03	94.27	ND	30.76	--
MW-601	06/92	125.03	91.81	ND	33.22	--
MW-601	06/94	125.03	80.30	80.25	44.73	0.05
MW-601	07/96	125.03	77.03	76.75	48.21	0.28
MW-601	09/90	125.03	96.64	95.89	28.39	0.75
MW-601	09/91	125.03	94.54	ND	30.49	--
MW-601	09/92	125.03	92.80	92.28	32.23	0.52
MW-601	09/93	125.03	86.76	86.75	38.27	0.01
MW-601	09/94	125.03	80.50	80.40	44.53	0.10
MW-601	09/95	125.03	78.36	78.11	46.67	0.25
MW-601	12/90	125.03	97.01	96.52	28.02	0.49
MW-601	12/91	125.03	94.30	ND	30.73	--
MW-601	12/92	125.03	91.78	ND	33.25	--
MW-601	12/93	125.03	85.36	85.35	39.67	0.01
MW-601	12/94	125.03	80.65	80.52	44.38	0.13
MW-601	12/95	125.03	78.07	ND	46.98	--
MW-601	12/96	125.03	77.57	ND	47.46	--
MW-603	07/96	118.54	72.01	ND	46.53	--
MW-603	12/96	118.54	72.39	ND	46.15	--
MW-604	07/96	138.16	88.79	ND	49.37	--
MW-604	12/96	138.16	89.57	ND	48.59	--
MW-605	07/96	114.54	74.03	ND	40.51	--
MW-605	12/96	114.54	74.06	ND	40.48	--
MW-606	07/96	113.89	77.19	ND	36.70	--
MW-606	12/96	113.89	77.50	ND	36.39	--
MW-607	07/96	126.03	86.88	ND	39.15	--
MW-607	12/96	126.03	87.56	ND	38.47	--
W-1	12/96	142.89	90.1	ND	52.79	--
W-2	12/96	139.31	88.72	ND	50.59	--
W-3	12/96	136.11	90.98	ND	45.13	--

Table A-1. Groundwater Elevation Data, Powerine Oil Company, Santa Fe Springs, California.

Well No.	Date	Measuring Point Elevation (ft)	Depth to Groundwater (ft)	Depth to Hydrocarbon (ft)	Groundwater Elevation (ft)	Hydrocarbon Thickness (ft)
W-4	12/96	142.38	92.88	ND	49.5	--

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-101	6/1/88	0.62	ND(0.005)	ND(0.005)	0.1	--	--
MW-101	9/1/88	0.31	0.034	0.01	0.013	--	--
MW-101	12/1/88	0.49	(0.005)	0.028	ND(0.005)	--	--
MW-101	6/1/92	0.44	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-101	9/1/92	0.34	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-101	12/1/92	0.29	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-101	3/1/93	0.2	ND(0.025)	ND(0.025)	ND(0.025)	--	--
MW-101	12/1/94	0.062	0.005	ND(0.005)	ND(0.005)	--	--
MW-101	3/1/95	0.11	ND(0.005)	ND(0.005)	ND(0.015)	--	--
MW-101	9/1/95	0.18	ND(0.004)	ND(0.004)	ND(0.004)	--	--
MW-101	12/1/95	0.09	0.0064	0.0059	0.0029	--	2.4
MW-101	7/31/96	0.13	0.0076	ND(0.001)	0.014	ND(0.01)	2.3
MW-101	12/17/96	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.05)	ND(0.002)	0.92 (g)
MW-103	6/1/88	0.97	ND(0.005)	0.074	ND(0.005)	--	--
MW-103	9/1/88	0.3	ND(0.005)	ND(0.005)	0.008	--	--
MW-103	12/1/88	0.37	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-103	3/1/89	0.94	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-103	6/1/89	0.7	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-103	9/1/89	1	ND(0.005)	0.03	ND(0.005)	--	--
MW-103	3/1/92	0.21	0.005	ND(0.005)	0.023	--	--
MW-103	6/1/92	0.88	ND(0.005)	ND(0.005)	0.055	--	--
MW-103	9/1/92	0.2	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-103	12/1/92	0.35	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-103	3/1/93	ND(0.005)	0.019	0.008	0.01	--	--
MW-103	5/1/93	4.8	ND(0.25)	ND(0.25)	ND(0.25)	--	--
MW-103	5/25/93	4.8	ND(0.25)	ND(0.25)	ND(0.25)	--	--
MW-103	9/1/93	1.3	0.062	0.088	0.23	--	--
MW-103	11/1/93	1.4	ND(0.25)	ND(0.25)	ND(0.25)	--	--
MW-103	12/1/94	0.24	ND(0.01)	ND(0.01)	0.011	--	--
MW-103	3/1/95	0.16	ND(0.005)	ND(0.005)	ND(0.015)	--	--
MW-103	9/1/95	0.9	ND(0.05)	ND(0.05)	ND(0.05)	--	--
MW-103	12/1/95	0.41	0.0026	0.0041	0.0077	--	4.1
MW-103	7/31/96	0.34	ND(0.0005)	0.005	0.012	ND(0.01)	2.7
MW-103	12/17/96	0.2	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01)	2.4 (g)
MW-104	6/1/88	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	9/1/88	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	12/1/88	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/89	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	6/1/89	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	9/1/89	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	12/1/89	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/90	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	6/1/90	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	9/1/90	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	12/1/90	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-104	6/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	9/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	12/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/92	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	6/1/92	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	9/1/92	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	12/1/92	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/93	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	5/1/93	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	5/25/93	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	9/1/93	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	11/1/93	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	6/1/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	12/1/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-104	3/1/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.015)	--	--
MW-104	9/1/95	0.003	ND(0.002)	ND(0.002)	ND(0.002)	--	--
MW-104	12/1/95	0.003	ND(0.005)	0.0006	ND(0.005)	--	ND(0.1)
MW-104	7/31/96	0.0022	ND(0.001)	0.0018	0.0027	ND(0.01)	ND(0.1)
MW-104	12/16/96	0.0042	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	0.31 (g)
MW-105	12/1/95	--	--	--	--	--	ND(0.1)
MW-105	7/31/96	0.091	0.002	0.0018	0.0018	ND(0.01)	0.65
MW-105	12/16/96	0.014	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.002)	0.24 (g)
MW-106	12/1/95	--	--	--	--	--	0.79
MW-106	7/31/96	0.014	0.009	0.0022	ND(0.0005)	0.0036	0.6
MW-106	12/17/96	0.0031	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.36
MW-107	12/1/95	--	--	--	--	--	ND(0.1)
MW-107	7/31/96	0.031	0.0066	0.0044	ND(0.0005)	0.11	0.6
MW-107	12/17/96	0.022	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.002)	0.38 (g)
MW-201	6/1/88	1	ND(0.005)	0.15	0.25	--	--
MW-201	9/1/88	0.52	0.11	0.21	0.4	--	--
MW-201	12/1/88	0.42	0.019	0.065	0.1	--	--
MW-201	3/1/89	0.21	0.024	0.027	0.047	--	--
MW-201	6/1/89	0.35	ND(0.005)	ND(0.005)	0.05	--	--
MW-201	9/1/89	0.83	0.032	0.1	0.21	--	--
MW-201	12/1/89	0.51	0.024	0.076	0.17	--	--
MW-201	3/1/90	0.35	0.029	0.038	0.085	--	--
MW-201	6/1/90	0.82	0.084	0.049	0.083	--	--
MW-201	9/1/90	0.34	0.02	0.015	0.073	--	--
MW-201	12/1/90	0.24	0.007	0.012	0.055	--	--
MW-201	3/1/91	0.5	ND(0.005)	ND(0.005)	0.24	--	--
MW-201	6/1/91	0.53	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-201	9/1/91	0.37	ND(0.005)	ND(0.005)	0.13	--	--
MW-201	12/1/91	0.34	0.009	0.01	0.08	--	--

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-201	6/1/92	0.025	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-201	9/1/92	0.35	ND(0.005)	ND(0.005)	0.13	--	--
MW-201	12/1/92	1.15	ND(0.005)	ND(0.005)	0.56	--	--
MW-201	3/1/93	0.56	ND(0.05)	0.077	0.41	--	--
MW-201	12/1/94	1.3	0.5	0.066	0.56	--	--
MW-201	3/1/95	0.29	ND(0.005)	ND(0.005)	ND(0.015)	--	--
MW-201	9/1/95	1.1	0.13	0.028	0.14	--	--
MW-201	12/1/95	0.44	0.12	0.042	0.094	--	9
MW-201	7/31/96	0.48	0.032	0.02	0.025	ND(0.01)	ND(0.1)
MW-201	12/17/96	0.11	0.096	0.012	0.121	ND(0.01)	3.7
MW-202	11/1/93	7.7	2.6	ND(0.5)	6.3	--	--
MW-202	3/1/95	0.4	0.029	0.007	0.042	--	--
MW-202	9/1/95	0.5	0.048	0.01	0.042	--	--
MW-202	12/1/95	0.33	0.051	0.021	0.074	--	6.5
MW-202	7/31/96	0.64	ND(0.0005)	0.015	0.032	0.062	4.8
MW-202	12/17/96	0.89	ND(0.05)	ND(0.05)	ND(0.1)	ND(0.02)	7.4
MW-203	6/1/88	0.046	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	9/1/88	0.076	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	12/1/88	0.064	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	3/1/89	0.11	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	6/1/89	0.11	0.005	ND(0.005)	ND(0.005)	--	--
MW-203	9/1/89	0.08	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	12/1/89	0.1	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	3/1/90	0.09	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	6/1/90	0.088	0.007	0.002	0.002	--	--
MW-203	9/1/90	0.13	0.009	ND(0.005)	ND(0.005)	--	--
MW-203	12/1/90	0.094	0.007	ND(0.005)	ND(0.005)	--	--
MW-203	3/1/91	0.1	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	6/1/91	0.1	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	9/1/91	0.14	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	12/1/91	0.13	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	3/1/92	0.12	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	6/1/92	0.085	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	9/1/92	0.046	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	12/1/92	0.064	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	3/1/93	0.069	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	5/1/93	0.086	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	5/25/93	0.086	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	9/1/93	0.04	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	12/1/94	0.039	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-203	3/1/95	0.027	ND(0.005)	ND(0.005)	ND(0.015)	--	--
MW-203	9/1/95	0.028	ND(0.002)	ND(0.002)	ND(0.002)	--	--
MW-203	12/1/95	0.037	0.012	0.001	0.0019	--	0.64
MW-203	7/31/96	0.043	0.0018	0.002	ND(0.0005)	ND(0.02)	0.5
MW-203	12/17/96	0.03	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	0.16

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-204	6/1/88	0.019	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	9/1/88	0.006	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	12/1/88	0.033	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	3/1/89	0.039	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	6/1/89	0.076	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	9/1/89	0.064	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	12/1/89	0.16	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	3/1/90	0.009	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	6/1/90	0.002	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	9/1/90	0.025	ND(0.005)	ND(0.005)	0.006	--	--
MW-204	12/1/90	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	3/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	6/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	9/1/91	0.027	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	12/1/91	0.047	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	3/1/92	0.09	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-204	6/1/92	0.11	ND(0.005)	0.071	0.02	--	--
MW-204	9/1/92	0.09	ND(0.005)	0.02	ND(0.005)	--	--
MW-204	12/1/92	2.7	ND(0.005)	3.7	1.06	--	--
MW-204	4/1/93	0.13	0.021	0.028	0.193	--	--
MW-204	5/1/93	0.78	ND(0.05)	ND(0.05)	ND(0.05)	--	--
MW-204	5/25/93	0.78	ND(0.05)	ND(0.05)	ND(0.05)	--	--
MW-204	12/1/94	5.5	0.19	0.63	0.99	--	--
MW-204	3/1/95	5	0.12	0.077	0.49	--	--
MW-204	9/1/95	6.9	0.65	4.7	3.7	--	--
MW-204	12/1/95	0.88	0.24	0.67	0.86	--	12000
MW-204	8/1/96	1.4	0.52	1.3	1.7	0.032	14
MW-204	12/17/96	0.75	ND(0.05)	0.058	ND(0.1)	ND(0.02)	2.1
MW-205	6/1/88	0.013	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	9/1/88	0.027	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	12/1/88	0.12	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	3/1/89	0.04	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	6/1/89	0.12	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	9/1/89	0.081	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	12/1/89	0.17	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	3/1/90	0.14	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	6/1/90	0.056	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	9/1/90	0.045	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	12/1/90	0.047	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	3/1/91	0.04	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	6/1/91	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	9/1/91	0.043	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	12/1/91	0.085	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	3/1/92	0.035	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	6/1/92	0.006	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	9/1/92	0.005	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	12/1/92	0.01	ND(0.005)	ND(0.005)	ND(0.005)	--	--

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-205	3/1/93	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	5/1/93	0.022	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	5/25/93	0.022	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	11/1/93	0.032	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	12/1/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	--
MW-205	3/1/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.015)	--	--
MW-205	9/1/95	0.0053	ND(0.002)	ND(0.002)	ND(0.002)	--	--
MW-205	12/1/95	0.11	0.018	0.0013	0.037	--	2.1
MW-205	7/31/96	0.0051	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.1)
MW-205	12/16/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.27
MW-206	6/1/88	5.8	2.1	2.4	4.9	--	--
MW-206	9/1/88	4.2	2	1	6.6	--	--
MW-206	12/1/88	4.3	2.1	0.92	5.5	--	--
MW-206	3/1/89	2.7	2.4	3.2	12	--	--
MW-206	6/1/89	3.1	2.3	1.2	8.6	--	--
MW-206	9/1/89	4.5	2.4	0.62	6.5	--	--
MW-206	12/1/89	3.2	2	1	6.6	--	--
MW-206	3/1/90	3.7	2.6	1.7	9.4	--	--
MW-206	6/1/90	3.7	2	0.96	6.3	--	--
MW-206	9/1/90	5.1	2.3	2.1	6.8	--	--
MW-206	12/1/90	7.1	2.4	2.1	8.1	--	--
MW-206	3/1/91	4.9	2.2	2.6	9.5	--	--
MW-206	6/1/91	5.22	2.4	1.08	6.88	--	--
MW-206	9/1/91	4.5	2	2.1	5.4	--	--
MW-206	12/1/91	3.4	2.5	0.72	4.74	--	--
MW-206	3/1/92	2	2.5	0.47	4.87	--	--
MW-206	6/1/92	3.2	2.1	0.42	2.1	--	--
MW-206	9/1/92	9.9	3.2	1.4	7.3	--	--
MW-206	12/1/92	13	6	2	13	--	--
MW-206	12/1/94	8.4	1.8	4.9	9.5	--	--
MW-206	3/1/95	9	2	0.72	5.8	--	--
MW-206	9/1/95	6.2	1.6	0.8	3.6	--	--
MW-206	12/1/95	0.11	0.032	0.016	0.1	--	12
MW-206	7/31/96	0.57	0.42	0.11	0.49	0.51	33
MW-206	12/18/96	2.2	1.2	ND(0.1)	0.34	ND(0.02)	8.2
MW-501	3/1/95	4.2	1	0.23	2.7	--	--
MW-501	9/1/95	2.4	ND(0.2)	0.27	ND(0.2)	--	--
MW-501	12/1/95	1.6	0.88	0.1	2.2	--	69
MW-501	7/31/96	1.7	0.22	0.073	1.1	0.18	18
MW-501	12/18/96	1.2	0.51	ND(0.05)	0.65	ND(0.01)	6.8
MW-502	6/1/88	0.95	0.062	0.079	0.016	--	--
MW-502	9/1/88	1.3	2.8	0.18	12	--	--
MW-502	12/1/88	6.5	1.5	0.86	5.5	--	--
MW-502	3/1/89	5.3	1.9	1.2	7.1	--	--
MW-502	9/1/94	9.8	1.9	0.86	3.3	--	--

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-502	12/1/94	8.4	1.6	1.6	6	--	--
MW-502	3/1/95	18	2.1	0.48	7.5	--	--
MW-502	9/1/95	15	3.3	0.69	8.8	--	--
MW-502	12/1/95	6.9	3.3	0.95	8.5	--	220
MW-502	7/31/96	13	1.8	0.4	6.8	1	110
MW-502	12/18/96	11	2.1	ND(0.5)	0.57	ND(0.01)	30
MW-503	6/1/88	0.6	0.34	0.14	0.6	--	--
MW-503	9/1/88	0.8	0.3	0.28	0.91	--	--
MW-503	12/1/88	1.5	0.38	0.57	0.96	--	--
MW-503	3/1/89	0.4	0.36	0.19	0.75	--	--
MW-503	6/1/89	0.6	0.63	0.34	1.2	--	--
MW-503	9/1/89	0.99	0.2	0.55	0.85	--	--
MW-503	12/1/89	0.27	0.18	0.18	0.56	--	--
MW-503	3/1/90	0.31	0.14	0.14	0.28	--	--
MW-503	6/1/90	0.034	0.11	0.024	0.19	--	--
MW-503	9/1/90	0.17	0.14	0.11	0.27	--	--
MW-503	12/1/90	2.1	0.1	1.3	2.3	--	--
MW-503	3/1/91	0.9	0.25	0.65	2	--	--
MW-503	6/1/91	1.04	0.33	0.7	1.23	--	--
MW-503	12/1/92	3.3	0.34	0.75	1.58	--	--
MW-503	3/1/93	2.9	ND(0.25)	0.4	1.88	--	--
MW-503	12/1/94	0.24	0.066	0.022	0.079	--	--
MW-503	3/1/95	0.39	0.1	0.055	0.19	--	--
MW-503	9/1/95	0.53	0.13	0.093	0.18	--	--
MW-503	12/1/95	0.34	0.19	0.079	0.2	--	8.2
MW-503	7/31/96	0.15	0.025	0.049	0.084	ND(0.01)	5.1
MW-503	12/18/96	0.21	0.14	0.019	0.056	ND(0.02)	4.6
MW-504	12/1/93	11	1.8	1.3	9.2	--	--
MW-504	6/1/94	8.6	ND(0.5)	2.1	8.1	--	--
MW-504	12/1/94	5.8	0.84	0.7	7.6	--	--
MW-504	3/1/95	5.2	1.2	1.1	12	--	--
MW-504	9/1/95	8	2.2	1.3	11	--	--
MW-504	12/1/95	2.7	0.8	0.73	2.6	--	99
MW-504	8/1/96	3.4	0.96	1.4	3.7	0.37	80
MW-504	12/18/96	6	1	2.8	3.3	ND(0.05)	33
MW-600	8/1/90	--	--	--	--	--	380
MW-600	2/20/91	18	1.3	9.2	9.9	--	0.0502
MW-600	12/1/95	23	18	40	101	--	3500
MW-600	8/1/96	14	3.5	15	20	ND(0.01)	210
MW-600	12/19/96	14	1.8	15	9.1	ND(0.01)	87
MW-601	8/1/90	--	--	--	--	--	360
MW-601	2/20/91	12	1.9	4.9	11.2	--	0.024
MW-601	12/1/95	18	130	17	100	--	3500
MW-601	8/1/96	12	4.6	1.4	16	ND(0.01)	250

Table A-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8240), Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Benzene (mg/L)	Ethyl-benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	MTBE (mg/L)	TPH (mg/L)
MW-601	12/19/96	10	1.6	ND(0.5)	4	ND(0.01)	70
MW-603	12/1/95	--	--	--	--	--	ND(0.1)
MW-603	7/30/96	0.0006	0.0014	ND(0.0005)	ND(0.0005)	0.002	ND(0.1)
MW-603	12/16/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.002)	ND(0.1)
MW-604	12/1/95	--	--	--	--	--	1.9
MW-604	7/30/96	0.073	ND(0.0005)	0.0078	0.009	0.0124	0.9
MW-604	12/17/96	0.047	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.71 (g)
MW-605	12/1/95	--	--	--	--	--	ND(0.1)
MW-605	7/31/96	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.02)	ND(0.1)
MW-605	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.1)
MW-606	12/1/95	--	--	--	--	--	ND(0.1)
MW-606	7/31/96	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.02)	ND(0.1)
MW-606	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.1)
MW-607	12/1/95	--	--	--	--	--	1.2
MW-607	7/31/96	0.019	0.0028	0.005	0.008	0.012	0.9
MW-607	12/17/96	0.021	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	1 (g)
W-1	12/18/96	0.078	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01)	0.8 (g)
W-2	12/18/96	0.056	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.56 (g)
W-3	12/18/96	0.59	ND(0.025)	ND(0.025)	ND(0.05)	ND(0.01)	1.3 (g)
W-4	12/18/96	0.08	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01)	0.42 (g)

Note: ND indicates constituent not detected with the detection limit in parentheses.

APPENDIX B

BOREHOLE LOGS

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: West TF MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 81 BOREHOLE DIA.: 8" CASING DIA.:	DATE: 1/6/97 DRILLER: H-F Drilling Steve, Paul, Clint RIG: Failing F-10 BIT(S): HSA FLUID: None	BOREHOLE: PTR-1 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
1.5-2.0	ML	--	--	Reddish brown clayey silt. Hand auger to 5'.
4.5-6.0	ML	6-8-10	54	Reddish brown clayey silt. Cohesive.
9.5-11	ML	8-11-15	263	Brown clayey silt. Hydrocarbon odor
14.5-16	ML	7-11-16	272	Gray clayey silt. Hydrocarbon odor.
19.5-21	ML	14-19-21	56	Gray/brown clayey silt, less clay content than above.
24.5-26	ML	16-18-25	32	Gray/brown clayey silt as above.
29.5-31	ML	27-30-32	284	Gray clayey silt. Increased clay content. Mottled appearance.
34.5-36	ML	8-9-10	>2000	Brown clayey silt. Dry. Occasional small gravels.
39.5-41	SP	37-28-35	>2000	Brown fine-grained sand. No clay, well sorted.
44.5-46	SP	14-19-26	>2000	Gray fine-grained sand, no clay, well sorted, hydrocarbon odor.
49.5-51	SP	21-23-28	>2000	Gray medium-grained sand, angular, poorly sorted. Hydrocarbon odor.
54.5-56	ML	13-17-18	>2000	Gray clayey silt with coarse gravel.
59.5-61	ML	20-25-29	>2000	Gray clayey silt. No coarse sand grains.
64.5-66	--	--	--	No recovery/no sample.
69.5-71	SP	21-36-34	212	Fine-grained sand. No clay.
74.5-76	SP	20-30-34	172	Gray fine- to medium-grained sand, moist-capillary fringe. No clay.
79.5-81	SP	28-50-50	>2000	Sand as above. Saturated. Poorly sorted, angular.
				TD = 81'

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: NE of TF MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 86' BOREHOLE DIA.: 8" CASING DIA.:	DATE: 1/6/97 DRILLER: H-F Drilling Steve, Paul, Clint RIG: Failing F-10 BIT(S): HSA FLUID: None	BOREHOLE: PTR-2 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
0-5	ML	--	--	Hand-augered. Dark brown clayey silt.
4.5-6	ML	6-10-18	7	Dark brown clayey silt. Cohesive.
9.5-11	ML	7-9-11	371	Reddish brown/dark brown clayey silt. Cohesive.
14.5-16	ML/SM	10-12-15	>2000	Gray silt. Minor clay. Strong hydrocarbon odor, loose.
19.5-21	ML	15-18-23	1665	Dark brown gray silt. Clay content increasing from above. Hydrocarbon odor.
24.5-26	ML	9-14-19	673	As above. Hydrocarbon odor.
29.5-31	SM	13-13-20	>2000	Very fine-grained sand. Well sorted. Brown. Loose and dry. Slight hydrocarbon odor.
34.5-36	ML	16-22-26	>2000	Dark brown gray clayey silt. Cohesive.
39.5-41	SM	20-23-25	>2000	Brown/gray fine-grained sand. Loose. Well sorted.
44.5-46	ML	10-12-14	>2000	Gray clayey silt. Cohesive/tight. Strong hydrocarbon odor.
49.5-51	ML	12-17-25	>2000	Gray clayey silt. Less clay than above. Strong hydrocarbon odor.
54.5-56	SP	18-26-32	>2000	Gray sand with minor clay and silt. Sand is coarse with gravels up to 2 cm diameter. Angular sands. Clay appears in lenses (gray-brown). Strong hydrocarbon odor.
59.5-61	ML	20-21-28	>2000	Brown clayey silt. No gravels. Hydrocarbon odor.
64.5-66	SP	30-33-36	355	Fine-grained sand. Brown. Subangular. Well sorted. Slight hydrocarbon odor. Loose. No evidence of clay.
69.5-71	SP	50-50+	84	Sand as above. Only enough sample to partially fill one brass ring.
74.5-76	SP	35-50+	504	As above. One ring collected.
79.5-81	SP	30-30-50	>2000	Gray sand. Fine to medium grained. Angular. Moist near water table. Strong hydrocarbon odor.
84.5-86	SP	40-50+	>2000	Gray sand. As above. Saturated sample. 2 rings collected. Strong hydrocarbon odor.
				TD = 86'

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: At PT 3 in TF MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 76' BOREHOLE DIA.: 6" CASING DIA.:	DATE: 1/7/97 DRILLER: H-F Drilling Paul, Jason RIG: Mobile B43 BIT(S): HSA FLUID: None	BOREHOLE: PTR-3 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
0-25	--	--	--	Refer to PT-3 Geoprobe borelog.
24.5-26	ML	23-25-35	>2000	Brown clayey silt, dry, crumbly.
29.5-31	SM	18-30-42	>2000	Brown, fine-grained sand, loose, dry.
34.5-36	SM	17-23-37	>2000	Sampling hammer broke in hole. Repair. Brown sand as above.
39.5-41	ML	11-23-34	1807	Brown clayey silt, dry.
44.5-46	SM	26-31-48	1680	Gray clayey sand. Coarse-grained sand, poorly sorted.
49.5-51	SP	12-38-50	>2000	Well sorted. Gray medium-grained sand. Little or no clay.
54.5-56	SM	10-19-42	1888	Brown fine-grained sand, minor clay.
59.5-61	ML	8-19-38	1288	Brown/gray clayey silt.
64.5-66	ML	23-50+	>2000	As above.
69.5-71	SM	1-18-29	>2000	Brown/gray sand, very fine grained.
74.5-76	SM	16-50+	>2000	As above.
				TD = 76'

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: At PT 6 east TF MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 71' BOREHOLE DIA.: 8" CASING DIA.:	DATE: 1/7/97 DRILLER: H-F Drilling Steve, Clint RIG: Failing F-10 BIT(S): HSA FLUID: None	BOREHOLE: PTR-4 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
1.5-2.0	ML	--	--	Brown clayey silt - hand augered.
0-26'		--	--	Refer to Geoprobe Boring #PT-6.
29.5-31	SM	16-17-19	>2000	Light brown sand, fine to medium grained, loose.
34.5-36	CL	14-17-20	>2000	Brown silty clay. Dry, crumbly.
39.5-41	CL	9-10-10	>2000	As above.
44.5-46	SM	23-30-35	>2000	Gray sand fine-grained loose.
49.5-51	SM	28-50+	>2000	Olive gray sand, fine-grained sand, occasional gravels (less than 2 cm diameter).
54.5-56	SM	21-30-33	>2000	Sand, as above - coarser grained matrix with gravels.
59.5-61	ML	13-14-18	>2000	Gray clayey silt, loose, cohesive.
64.5-66	CL	18-20-31	1721	Brown silty clay, moist, cohesive.
69.5-71	SM	21-50+	>2000	Very fine-grained sand. Light gray, loose.
				TD = 71'

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: Nr PT 13A MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 71' BOREHOLE DIA.: 8" CASING DIA.: --	DATE: 1/8/97 DRILLER: H-F Drilling Steve, Clint RIG: Failing F-10 BIT(S): HSA FLUID: None	BOREHOLE: PTR-5 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
4.5-6.0	ML	20-24-26	20	Red brown clayey silt.
9.5-11	ML	17-18-19	5.0	Brown clayey silt.
14.5-16	ML	20-21-50	--	As above.
19.5-21	ML	21-23-30	10	Gray clayey silt, dry, crumbly.
24.5-26	ML	14-16-20	42	As above.
29.5-31	SM	19-21-26	47	Gray very fine silty sand. Clay content approximately 10-20%.
34.5-36	SM	6-8-12	206	As above. Less clay.
39.5-41	ML	8-16-17	1598	Gray silty clay, dry crumbly.
44.5-46	SM	30-25-50	663	Fine ground, gray, moist.
49.5-51	SM	13-17-19	167	Olive green sand as above.
54.5-56	SM	13-17-20	314	As above.
59.5-61	SM	20-50+	56	As above.
64.5-66	SM	25-50+	763	As above.
69.5-71	SM	31-50+	753	As above.
				TD = 71'

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: Nr PT 7 MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 81' BOREHOLE DIA.: 8" CASING DIA.:	DATE: 1/7/97 DRILLER: H-F Drilling Steve, Clint RIG: Failing F-10 BIT(S): HSA FLUID: None	BOREHOLE: PTR-6 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
0-45'	--	--	--	Refer to Geoprobe Boring PT-7
44.5-46	SM	14-18-20	1090	Olive green/gray silty sand, minor clay.
49.5-51	SM	15-19-30	529	Olive green/gray silty sand, little to no clay.
54.5-55	SP	25-50+	605	Medium-grained sand well sorted moist.
59.5-61	ML	14-16-20	896	Olive green/gray clayey silt with some sand.
64.5-66	ML	28-50+	331	As above, no sand.
69.5-71	SM	23-50+	166	Fine-grained sand, minor clay.
74.5-76	SM	32-50+	44	As above, moist.
79.5-81	SM	38-50+	>2000	As above, saturated.
				TD = 81'

LOG-OF-BOREHOLE

PROJECT: Powerine Lakeland Terminal Deep Soil Borings JOB#: 063-008

LOC OR COORDINATES: North PTR 2 MEASURING POINT ELEV.: GROUND ELEV.: TOTAL DEPTH: 71' BOREHOLE DIA.: 8" CASING DIA.:	DATE: 1/7/97 DRILLER: H-F Drilling Steve, Clint RIG: Failing F-10 BIT(S): HSA FLUID: None	BOREHOLE: PTR-7 PAGE: 1 OF: 1 LOGGED BY: L. Barnes

DEPTH (FEET)	MATERIAL	BLOW COUNT 6 INCHES	PID	DESCRIPTION AND COMMENTS
4.5-6	ML	22-50+	5	Red-brown clayey silt.
9.5-11	ML	8-9-9	57	As above.
14.5-16	ML	7-8-12	287	Reddish brown clayey silt, increasing sand content.
19.5-21	ML	16-22-25	1989	As above, dry, crumbly.
24.5-26	SM	23-50+	32	Fine-grained silty sand, brown, minor clay.
29.5-31	SM	16-19-22	850	As above.
34.5-36	ML	13-16-19	306	Dark brown clayey silt.
39.5-41	ML	15-16-22	88	Gray clayey silt. Occasional gravels.
44.5-46	SM	23-38-24	61	Gray/olive green silty sand, loose, slightly moist.
49.5-51	SM	20-28-50	1049	As above. Occasional gravels up to 1 cm diameter, angular.
54.5-56	ML	23-27-50	1467	Gray/green, clayey silt. Crumbly, dry.
59.5-61	ML	6-9-13	401	As above.
64.5-66	SP	23-37-35	41	Gray coarse-grained sand, angular, poorly sorted.
69.5-71	SP	17-50+	32	Gray well-sorted sand, no gravels.
				TD = 71'

APPENDIX C

LABORATORY DATA SHEETS

BC LABORATORIES, INC.

January 20, 1997

LINDA BARNES
TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070

Subject: Laboratory Submission No.: 97-00301
Samples Received: 01/08/97

Dear LINDA BARNES

The samples(s) listed on the Chain of Custody report were received by BC Laboratories, Inc. on 01/08/97.

Enclosed please find the analytical data for the testing requested. A copy of the results for this submission will be sent to the following: POWERINE OIL CO. - MATT WINEFIELD. If you have any questions regarding this report please contact me at (805)327-4911, ext. 201.

Any unused sample will be stored on our premises for a minimum of 30 days (excluding bacteriologicals) at which time they will be disposed unless otherwise requested at the time of sample receipt. A disposal fee of $5 per sample may apply for solid sample matrices.

Please refer to submission number 97-00301 when calling for assistance.

Sincerely,

Christy J. Ariey
Client Services
BC Laboratories, Inc.

4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

LAB NUMBER: 97-00401 | TIME RECEIVED: 8:00a | DATE RECEIVED: 1/8/97 | RECEIVED BY: MO

SHIPPING SPECIFICATIONS

Federal Express ☐ UPS ☐ Hand Delivery ☐

BC Lab Field Service ☒ Other ☐ (Specify) _____

SHIPPING CONTAINER

Ice Chest ☒ Box ☐

None ☐ Other ☐ (Specify) _____

SAMPLE CONDITION

Ice Chest ID	Ice Chest ID	Ice Chest ID	Ice Chest ID	Ice Chest ID	Ice Chest ID
Temperature 5 °C	Temperature °C	Temperature °C	Temperature °C	Temperature °C	Temperature

Ice ☒ Blue Ice ☐ None ☐ If temperature is not between 2 and 6 °C please explain: _____

Custody Seals: Ice Chest ☐ Containers ☐ None ☒

All samples received? Yes ☒ No ☐ All samples intact? Yes ☒ No ☐ Description match COC? Yes ☒ No

SAMPLE CONTAINERS

Sample #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
QT GENERAL MINERAL/ GENERAL PHYSICAL																			
PT PE UNPRESERVED																			
QT INORGANIC CHEMICAL METALS																			
PT INORGANIC CHEMICAL METALS																			
PT CYANIDE																			
PT NITROGEN FORMS																			
PT TOTAL SULFIDE																			
2oz. NITRATE / NITRITE																			
100ml TOTAL ORGANIC CARBON																			
QT TOX																			
PT CHEMICAL OXYGEN DEMAND																			
100ml PHENOLICS																			
40ml VOA VIAL TRAVEL BLANK																			
40ml VOA VIAL																			
VOA SET (3 VIALS, 1TB)																			
QT EPA 413.1, 413.2, 418.1																			
PT ODOR																			
RADIOLOGICAL																			
BACTERIOLOGICAL																			
PT EPA 504																			
QT EPA 508/608/8080																			
QT EPA 515.1/8150																			
QT EPA 525																			
QT EPA 525 TRAVEL BLANK																			
100ml EPA 547																			
100ml EPA 531.1																			
QT EPA 548																			
QT EPA 549																			
QT EPA 632																			
QT EPA 8015M																			
QT QA/QC																			
QT AMBER																			
8 OZ. JAR																			
32 OZ. JAR																			
SOIL SLEEVE	2	2	2	2	X	X	2	2	2	2	X	X	2	2	X	X	X	2	X
PCB VIAL																			
PLASTIC BAG																			

Comments: -21 soil sleeve (one)

Completed by: [illegible]

F:\WP60\DATA\DOCS\SHELAH\FORMS\SAMP

BC LABORATORIES

Polynuclear Aromatic Hydrocarbons
(EPA Method 8310)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-1

Sample Description: LAKELAND: PTR1 1.5 - 2.0 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/09/97
Date Analyzed: 01/17/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Acenaphthene	None Detected	mg/kg	0.1
Acenaphthylene	None Detected	mg/kg	0.04
Anthracene	0.0016	mg/kg	0.0002
Benzo(a)anthracene	0.0017	mg/kg	0.0004
Benzo(a)pyrene	0.0020	mg/kg	0.002
Benzo(b)fluoranthene	0.0069	mg/kg	0.0007
Benzo(g h i)perylene	0.0040	mg/kg	0.004
Benzo(k)fluoranthene	0.0018	mg/kg	0.0007
Chrysene	None Detected	mg/kg	0.004
Dibenzo(a h)anthracene	0.0060	mg/kg	0.002
Fluoranthene	0.0078	mg/kg	0.002
Fluorene	None Detected	mg/kg	0.007
Ideno(1,2,3-c d)pyrene	0.0078	mg/kg	0.004
Naphthalene	None Detected	mg/kg	0.04
Phenanthrene	0.0033	mg/kg	0.0007
Pyrene	0.0076	mg/kg	0.002

Quality Control Data

Surrogates	% Recovery	Control Limits
Decafluorobiphenyl	91.	41-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Ct. • Bakersfield, CA 93308 (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Polynuclear Aromatic Hydrocarbons
(EPA Method 8310)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-5

Sample Description: LAKELAND: PTR2 24.5 - 26 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/09/97
Date Analyzed: 01/17/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Acenaphthene	None Detected	mg/kg	5.
Acenaphthylene	None Detected	mg/kg	2.
Anthracene	0.028	mg/kg	0.007
Benzo(a)anthracene	None Detected	mg/kg	0.02
Benzo(a)pyrene	None Detected	mg/kg	0.006
Benzo(b)fluoranthene	None Detected	mg/kg	0.004
Benzo(g h i)perylene	None Detected	mg/kg	0.02
Benzo(k)fluoranthene	None Detected	mg/kg	0.004
Chrysene	None Detected	mg/kg	0.2
Dibenzo(a h)anthracene	None Detected	mg/kg	0.07
Fluoranthene	0.0098	mg/kg	0.007
Fluorene	0.42	mg/kg	0.4
Ideno(1,2,3-c d)pyrene	None Detected	mg/kg	0.02
Naphthalene	None Detected	mg/kg	2.
Phenanthrene	0.89	mg/kg	0.04
Pyrene	None Detected	mg/kg	0.09

Quality Control Data

Surrogates	% Recovery	Control Limits
Decafluorobiphenyl	Not Reportable	5-141

Note: Surrogate not reportable due to sample dilution.
PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Polynuclear Aromatic Hydrocarbons
(EPA Method 8310)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-10

Sample Description: LAKELAND: PTR4 1.5 - 2.0 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/09/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Acenaphthene	None Detected	mg/kg	1.
Acenaphthylene	None Detected	mg/kg	0.4
Anthracene	0.0041	mg/kg	0.002
Benzo(a)anthracene	None Detected	mg/kg	0.004
Benzo(a)pyrene	None Detected	mg/kg	0.002
Benzo(b)fluoranthene	0.0029	mg/kg	0.0007
Benzo(g h i)perylene	None Detected	mg/kg	0.004
Benzo(k)fluoranthene	None Detected	mg/kg	0.0007
Chrysene	None Detected	mg/kg	0.04
Dibenzo(a h)anthracene	None Detected	mg/kg	0.02
Fluoranthene	0.0026	mg/kg	0.002
Fluorene	0.085	mg/kg	0.07
Ideno(1,2,3-c d)pyrene	None Detected	mg/kg	0.004
Naphthalene	None Detected	mg/kg	0.4
Phenanthrene	0.17	mg/kg	0.007
Pyrene	None Detected	mg/kg	0.02

Quality Control Data

Surrogates	% Recovery	Control Limits
Decafluorobiphenyl	95.	41-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Polynuclear Aromatic Hydrocarbons
(EPA Method 8310)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-18

Sample Description: LAKELAND: PTR5 1.5 - 2.0 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/08/97
Date Extracted: 01/09/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Acenaphthene	None Detected	mg/kg	1.
Acenaphthylene	None Detected	mg/kg	0.4
Anthracene	None Detected	mg/kg	0.002
Benzo(a)anthracene	None Detected	mg/kg	0.004
Benzo(a)pyrene	None Detected	mg/kg	0.002
Benzo(b)fluoranthene	0.00077	mg/kg	0.0007
Benzo(g h i)perylene	None Detected	mg/kg	0.004
Benzo(k)fluoranthene	None Detected	mg/kg	0.0007
Chrysene	None Detected	mg/kg	0.04
Dibenzo(a h)anthracene	None Detected	mg/kg	0.02
Fluoranthene	None Detected	mg/kg	0.002
Fluorene	None Detected	mg/kg	0.07
Ideno(1,2,3-c d)pyrene	None Detected	mg/kg	0.004
Naphthalene	None Detected	mg/kg	0.4
Phenanthrene	None Detected	mg/kg	0.007
Pyrene	None Detected	mg/kg	0.02

Quality Control Data

Surrogates	% Recovery	Control Limits
Decafluorobiphenyl	Not Reportable	41-121

Note: Surrogate not reportable due to sample dilution.
PQL's were raised due to high matrix background requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-2

Sample Description: LAKELAND: PTR1 14.5 - 16 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/11/97
Date Analyzed: 01/11/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	None Detected	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	None Detected	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	None Detected	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-2

Sample Description: LAKELAND: PTR1 14.5 - 16 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	None Detected	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	None Detected	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	None Detected	mg/kg	0.01
Methyl-t-butylether	0.24	mg/kg	0.005

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	102.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	95.	74-121

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-3

Sample Description: LAKELAND: PTR1 54.5 - 56 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	0.087	mg/kg	0.01
Bromobenzene	None Detected	mg/kg	0.01
Bromochloromethane	None Detected	mg/kg	0.01
Bromodichloromethane	None Detected	mg/kg	0.01
Bromoform	None Detected	mg/kg	0.01
Bromomethane	None Detected	mg/kg	0.01
n-Butylbenzene	None Detected	mg/kg	0.01
sec-Butylbenzene	None Detected	mg/kg	0.01
tert-Butylbenzene	None Detected	mg/kg	0.01
Carbon tetrachloride	None Detected	mg/kg	0.01
Chlorobenzene	None Detected	mg/kg	0.01
Chloroethane	None Detected	mg/kg	0.01
Chloroform	None Detected	mg/kg	0.01
Chloromethane	None Detected	mg/kg	0.01
2-Chlorotoluene	None Detected	mg/kg	0.01
4-Chlorotoluene	None Detected	mg/kg	0.01
Dibromochloromethane	None Detected	mg/kg	0.01
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.01
1,2-Dibromoethane	None Detected	mg/kg	0.01
Dibromomethane	None Detected	mg/kg	0.01
1,2-Dichlorobenzene	None Detected	mg/kg	0.01
1,3-Dichlorobenzene	None Detected	mg/kg	0.01
1,4-Dichlorobenzene	None Detected	mg/kg	0.01
Dichlorodifluoromethane	None Detected	mg/kg	0.01
1,1-Dichloroethane	None Detected	mg/kg	0.01
1,2-Dichloroethane	0.015	mg/kg	0.01
1,1-Dichloroethene	None Detected	mg/kg	0.01
cis-1,2-Dichloroethene	None Detected	mg/kg	0.01
trans-1,2-Dichloroethene	None Detected	mg/kg	0.01
1,2-Dichloropropane	None Detected	mg/kg	0.01
1,3-Dichloropropane	None Detected	mg/kg	0.01
2,2-Dichloropropane	None Detected	mg/kg	0.01
1,1-Dichloropropene	None Detected	mg/kg	0.01
cis-1,3-Dichloropropene	None Detected	mg/kg	0.01
trans-1,3-Dichloropropene	None Detected	mg/kg	0.01
Ethyl Benzene	0.013	mg/kg	0.01
Hexachlorobutadiene	None Detected	mg/kg	0.01
Isopropylbenzene	None Detected	mg/kg	0.01
p-Isopropyltoluene	None Detected	mg/kg	0.01
Methylene Chloride	None Detected	mg/kg	0.02
Naphthalene	None Detected	mg/kg	0.01
n-Propylbenzene	None Detected	mg/kg	0.01

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-3

Sample Description: LAKELAND: PTR1 54.5 - 56 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.01
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.01
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.01
Tetrachloroethene	None Detected	mg/kg	0.01
Toluene	0.12	mg/kg	0.01
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.01
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.01
1,1,1-Trichloroethane	None Detected	mg/kg	0.01
1,1,2-Trichloroethane	None Detected	mg/kg	0.01
Trichloroethene	None Detected	mg/kg	0.01
Trichlorofluoromethane	None Detected	mg/kg	0.01
1,2,3-Trichloropropane	None Detected	mg/kg	0.01
1,2,4-Trimethylbenzene	0.022	mg/kg	0.01
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.01
Vinyl Chloride	None Detected	mg/kg	0.01
Total Xylenes	0.090	mg/kg	0.02
Methyl-t-butylether	None Detected	mg/kg	0.01

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	94.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	97.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-4

Sample Description: LAKELAND: PTR2 14.5 - 16 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted:
Date Analyzed:

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	2.0
Bromobenzene	None Detected	mg/kg	2.0
Bromochloromethane	None Detected	mg/kg	2.0
Bromodichloromethane	None Detected	mg/kg	2.0
Bromoform	None Detected	mg/kg	2.0
Bromomethane	None Detected	mg/kg	2.0
n-Butylbenzene	23.	mg/kg	2.0
sec-Butylbenzene	10.	mg/kg	2.0
tert-Butylbenzene	None Detected	mg/kg	2.0
Carbon tetrachloride	None Detected	mg/kg	2.0
Chlorobenzene	None Detected	mg/kg	2.0
Chloroethane	None Detected	mg/kg	2.0
Chloroform	None Detected	mg/kg	2.0
Chloromethane	None Detected	mg/kg	2.0
2-Chlorotoluene	None Detected	mg/kg	2.0
4-Chlorotoluene	None Detected	mg/kg	2.0
Dibromochloromethane	None Detected	mg/kg	2.0
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	2.0
1,2-Dibromoethane	None Detected	mg/kg	2.0
Dibromomethane	None Detected	mg/kg	2.0
1,2-Dichlorobenzene	None Detected	mg/kg	2.0
1,3-Dichlorobenzene	None Detected	mg/kg	2.0
1,4-Dichlorobenzene	None Detected	mg/kg	2.0
Dichlorodifluoromethane	None Detected	mg/kg	2.0
1,1-Dichloroethane	None Detected	mg/kg	2.0
1,2-Dichloroethane	None Detected	mg/kg	2.0
1,1-Dichloroethene	None Detected	mg/kg	2.0
cis-1,2-Dichloroethene	None Detected	mg/kg	2.0
trans-1,2-Dichloroethene	None Detected	mg/kg	2.0
1,2-Dichloropropane	None Detected	mg/kg	2.0
1,3-Dichloropropane	None Detected	mg/kg	2.0
2,2-Dichloropropane	None Detected	mg/kg	2.0
1,1-Dichloropropene	None Detected	mg/kg	2.0
cis-1,3-Dichloropropene	None Detected	mg/kg	2.0
trans-1,3-Dichloropropene	None Detected	mg/kg	2.0
Ethyl Benzene	10.	mg/kg	2.0
Hexachlorobutadiene	None Detected	mg/kg	2.0
Isopropylbenzene	5.8	mg/kg	2.0
p-Isopropyltoluene	11.	mg/kg	2.0
Methylene Chloride	None Detected	mg/kg	4.0
Naphthalene	39.	mg/kg	2.0
n-Propylbenzene	16.	mg/kg	2.0

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-4

Sample Description: LAKELAND: PTR2 14.5 - 16 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	2.0
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	2.0
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	2.0
Tetrachloroethene	None Detected	mg/kg	2.0
Toluene	4.0	mg/kg	2.0
1,2,3-Trichlorobenzene	None Detected	mg/kg	2.0
1,2,4-Trichlorobenzene	None Detected	mg/kg	2.0
1,1,1-Trichloroethane	None Detected	mg/kg	2.0
1,1,2-Trichloroethane	None Detected	mg/kg	2.0
Trichloroethene	None Detected	mg/kg	2.0
Trichlorofluoromethane	None Detected	mg/kg	2.0
1,2,3-Trichloropropane	None Detected	mg/kg	2.0
1,2,4-Trimethylbenzene	89.	mg/kg	2.0
1,3,5-Trimethylbenzene	22.	mg/kg	2.0
Vinyl Chloride	None Detected	mg/kg	2.0
Total Xylenes	60.	mg/kg	4.0
Methyl-t-butylether	3.3	mg/kg	2.0

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	88.	70-121
Toluene-d8	101.	81-117
4-Bromofluorobenzene	114.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-6

Sample Description: LAKELAND: PTR2 44.5 - 46 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/15/97
Date Analyzed: 01/15/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	13.	mg/kg	5.0
Bromobenzene	None Detected	mg/kg	5.0
Bromochloromethane	None Detected	mg/kg	5.0
Bromodichloromethane	None Detected	mg/kg	5.0
Bromoform	None Detected	mg/kg	5.0
Bromomethane	None Detected	mg/kg	5.0
n-Butylbenzene	None Detected	mg/kg	5.0
sec-Butylbenzene	None Detected	mg/kg	5.0
tert-Butylbenzene	None Detected	mg/kg	5.0
Carbon tetrachloride	None Detected	mg/kg	5.0
Chlorobenzene	None Detected	mg/kg	5.0
Chloroethane	None Detected	mg/kg	5.0
Chloroform	None Detected	mg/kg	5.0
Chloromethane	None Detected	mg/kg	5.0
2-Chlorotoluene	None Detected	mg/kg	5.0
4-Chlorotoluene	None Detected	mg/kg	5.0
Dibromochloromethane	None Detected	mg/kg	5.0
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	5.0
1,2-Dibromoethane	None Detected	mg/kg	5.0
Dibromomethane	None Detected	mg/kg	5.0
1,2-Dichlorobenzene	None Detected	mg/kg	5.0
1,3-Dichlorobenzene	None Detected	mg/kg	5.0
1,4-Dichlorobenzene	None Detected	mg/kg	5.0
Dichlorodifluoromethane	None Detected	mg/kg	5.0
1,1-Dichloroethane	None Detected	mg/kg	5.0
1,2-Dichloroethane	None Detected	mg/kg	5.0
1,1-Dichloroethene	None Detected	mg/kg	5.0
cis-1,2-Dichloroethene	None Detected	mg/kg	5.0
trans-1,2-Dichloroethene	None Detected	mg/kg	5.0
1,2-Dichloropropane	None Detected	mg/kg	5.0
1,3-Dichloropropane	None Detected	mg/kg	5.0
2,2-Dichloropropane	None Detected	mg/kg	5.0
1,1-Dichloropropene	None Detected	mg/kg	5.0
cis-1,3-Dichloropropene	None Detected	mg/kg	5.0
trans-1,3-Dichloropropene	None Detected	mg/kg	5.0
Ethyl Benzene	32.	mg/kg	5.0
Hexachlorobutadiene	None Detected	mg/kg	5.0
Isopropylbenzene	None Detected	mg/kg	5.0
p-Isopropyltoluene	None Detected	mg/kg	5.0
Methylene Chloride	None Detected	mg/kg	10.0
Naphthalene	13.	mg/kg	5.0
n-Propylbenzene	14.	mg/kg	5.0

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-6

Sample Description: LAKELAND: PTR2 44.5 - 46 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	5.0
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	5.0
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	5.0
Tetrachloroethene	None Detected	mg/kg	5.0
Toluene	100.	mg/kg	5.0
1,2,3-Trichlorobenzene	None Detected	mg/kg	5.0
1,2,4-Trichlorobenzene	None Detected	mg/kg	5.0
1,1,1-Trichloroethane	None Detected	mg/kg	5.0
1,1,2-Trichloroethane	None Detected	mg/kg	5.0
Trichloroethene	None Detected	mg/kg	5.0
Trichlorofluoromethane	None Detected	mg/kg	5.0
1,2,3-Trichloropropane	None Detected	mg/kg	5.0
1,2,4-Trimethylbenzene	88.	mg/kg	5.0
1,3,5-Trimethylbenzene	28.	mg/kg	5.0
Vinyl Chloride	None Detected	mg/kg	5.0
Total Xylenes	210.	mg/kg	10.
Methyl-t-butylether	None Detected	mg/kg	5.0

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	85.	70-121
Toluene-d8	99.	81-117
4-Bromofluorobenzene	97.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-7
(Revised)

Sample Description: LAKELAND: PTR2 59.5 - 61 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/15/97
Date Analyzed: 01/15/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	130.	mg/kg	20.
Bromobenzene	None Detected	mg/kg	20.
Bromochloromethane	None Detected	mg/kg	20.
Bromodichloromethane	None Detected	mg/kg	20.
Bromoform	None Detected	mg/kg	20.
Bromomethane	None Detected	mg/kg	20.
n-Butylbenzene	52.	mg/kg	20.
sec-Butylbenzene	None Detected	mg/kg	20.
tert-Butylbenzene	None Detected	mg/kg	20.
Carbon tetrachloride	None Detected	mg/kg	20.
Chlorobenzene	None Detected	mg/kg	20.
Chloroethane	None Detected	mg/kg	20.
Chloroform	None Detected	mg/kg	20.
Chloromethane	None Detected	mg/kg	20.
2-Chlorotoluene	None Detected	mg/kg	20.
4-Chlorotoluene	None Detected	mg/kg	20.
Dibromochloromethane	None Detected	mg/kg	20.
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	20.
1,2-Dibromoethane	None Detected	mg/kg	20.
Dibromomethane	None Detected	mg/kg	20.
1,2-Dichlorobenzene	None Detected	mg/kg	20.
1,3-Dichlorobenzene	None Detected	mg/kg	20.
1,4-Dichlorobenzene	None Detected	mg/kg	20.
Dichlorodifluoromethane	None Detected	mg/kg	20.
1,1-Dichloroethane	None Detected	mg/kg	20.
1,2-Dichloroethane	None Detected	mg/kg	20.
1,1-Dichloroethene	None Detected	mg/kg	20.
cis-1,2-Dichloroethene	None Detected	mg/kg	20.
trans-1,2-Dichloroethene	None Detected	mg/kg	20.
1,2-Dichloropropane	None Detected	mg/kg	20.
1,3-Dichloropropane	None Detected	mg/kg	20.
2,2-Dichloropropane	None Detected	mg/kg	20.
1,1-Dichloropropene	None Detected	mg/kg	20.
cis-1,3-Dichloropropene	None Detected	mg/kg	20.
trans-1,3-Dichloropropene	None Detected	mg/kg	20.
Ethyl Benzene	270.	mg/kg	20.
Hexachlorobutadiene	None Detected	mg/kg	20.
Isopropylbenzene	27.	mg/kg	20.
p-Isopropyltoluene	None Detected	mg/kg	20.
Methylene Chloride	None Detected	mg/kg	40.
Naphthalene	110.	mg/kg	20.
n-Propylbenzene	110.	mg/kg	20.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-7
(Revised)

Sample Description: LAKELAND: PTR2 59.5 - 61 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	20.
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	20.
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	20.
Tetrachloroethene	None Detected	mg/kg	20.
Toluene	900.	mg/kg	20.
1,2,3-Trichlorobenzene	None Detected	mg/kg	20.
1,2,4-Trichlorobenzene	None Detected	mg/kg	20.
1,1,1-Trichloroethane	None Detected	mg/kg	20.
1,1,2-Trichloroethane	None Detected	mg/kg	20.
Trichloroethene	None Detected	mg/kg	20.
Trichlorofluoromethane	None Detected	mg/kg	20.
1,2,3-Trichloropropane	None Detected	mg/kg	20.
1,2,4-Trimethylbenzene	740.	mg/kg	20.
1,3,5-Trimethylbenzene	260.	mg/kg	20.
Vinyl Chloride	None Detected	mg/kg	20.
Total Xylenes	1800.	mg/kg	40.
Methyl-t-butylether	None Detected	mg/kg	20.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	90.	70-121
Toluene-d8	103.	81-117
4-Bromofluorobenzene	99.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-8

Sample Description: LAKELAND: PTR3 39.5 - 41 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	46.	mg/kg	5.
Bromobenzene	None Detected	mg/kg	5.
Bromochloromethane	None Detected	mg/kg	5.
Bromodichloromethane	None Detected	mg/kg	5.
Bromoform	None Detected	mg/kg	5.
Bromomethane	None Detected	mg/kg	5.
n-Butylbenzene	None Detected	mg/kg	5.
sec-Butylbenzene	15.	mg/kg	5.
tert-Butylbenzene	None Detected	mg/kg	5.
Carbon tetrachloride	None Detected	mg/kg	5.
Chlorobenzene	None Detected	mg/kg	5.
Chloroethane	None Detected	mg/kg	5.
Chloroform	None Detected	mg/kg	5.
Chloromethane	None Detected	mg/kg	5.
2-Chlorotoluene	None Detected	mg/kg	5.
4-Chlorotoluene	None Detected	mg/kg	5.
Dibromochloromethane	None Detected	mg/kg	5.
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	5.
1,2-Dibromoethane	None Detected	mg/kg	5.
Dibromomethane	None Detected	mg/kg	5.
1,2-Dichlorobenzene	None Detected	mg/kg	5.
1,3-Dichlorobenzene	None Detected	mg/kg	5.
1,4-Dichlorobenzene	None Detected	mg/kg	5.
Dichlorodifluoromethane	None Detected	mg/kg	5.
1,1-Dichloroethane	None Detected	mg/kg	5.
1,2-Dichloroethane	None Detected	mg/kg	5.
1,1-Dichloroethene	None Detected	mg/kg	5.
cis-1,2-Dichloroethene	None Detected	mg/kg	5.
trans-1,2-Dichloroethene	None Detected	mg/kg	5.
1,2-Dichloropropane	None Detected	mg/kg	5.
1,3-Dichloropropane	None Detected	mg/kg	5.
2,2-Dichloropropane	None Detected	mg/kg	5.
1,1-Dichloropropene	None Detected	mg/kg	5.
cis-1,3-Dichloropropene	None Detected	mg/kg	5.
trans-1,3-Dichloropropene	None Detected	mg/kg	5.
Ethyl Benzene	84.	mg/kg	5.
Hexachlorobutadiene	None Detected	mg/kg	5.
Isopropylbenzene	30.	mg/kg	5.
p-Isopropyltoluene	22.	mg/kg	5.
Methylene Chloride	None Detected	mg/kg	10.
Naphthalene	12.	mg/kg	5.
n-Propylbenzene	43.	mg/kg	5.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-8

Sample Description: LAKELAND: PTR3 39.5 - 41 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	5.
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	5.
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	5.
Tetrachloroethene	None Detected	mg/kg	5.
Toluene	180.	mg/kg	5.
1,2,3-Trichlorobenzene	None Detected	mg/kg	5.
1,2,4-Trichlorobenzene	None Detected	mg/kg	5.
1,1,1-Trichloroethane	None Detected	mg/kg	5.
1,1,2-Trichloroethane	None Detected	mg/kg	5.
Trichloroethene	None Detected	mg/kg	5.
Trichlorofluoromethane	None Detected	mg/kg	5.
1,2,3-Trichloropropane	None Detected	mg/kg	5.
1,2,4-Trimethylbenzene	170.	mg/kg	5.
1,3,5-Trimethylbenzene	62.	mg/kg	5.
Vinyl Chloride	None Detected	mg/kg	5.
Total Xylenes	400.	mg/kg	10.
Methyl-t-butylether	None Detected	mg/kg	5.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	91.	70-121
Toluene-d8	101.	81-117
4-Bromofluorobenzene	120.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-9

Sample Description: LAKELAND: PTR3 59.5 - 61 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/15/97
Date Analyzed: 01/15/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	1.7	mg/kg	0.2
Bromobenzene	None Detected	mg/kg	0.2
Bromochloromethane	None Detected	mg/kg	0.2
Bromodichloromethane	None Detected	mg/kg	0.2
Bromoform	None Detected	mg/kg	0.2
Bromomethane	None Detected	mg/kg	0.2
n-Butylbenzene	None Detected	mg/kg	0.2
sec-Butylbenzene	0.25	mg/kg	0.2
tert-Butylbenzene	None Detected	mg/kg	0.2
Carbon tetrachloride	None Detected	mg/kg	0.2
Chlorobenzene	None Detected	mg/kg	0.2
Chloroethane	None Detected	mg/kg	0.2
Chloroform	None Detected	mg/kg	0.2
Chloromethane	None Detected	mg/kg	0.2
2-Chlorotoluene	None Detected	mg/kg	0.2
4-Chlorotoluene	None Detected	mg/kg	0.2
Dibromochloromethane	None Detected	mg/kg	0.2
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.2
1,2-Dibromoethane	None Detected	mg/kg	0.2
Dibromomethane	None Detected	mg/kg	0.2
1,2-Dichlorobenzene	None Detected	mg/kg	0.2
1,3-Dichlorobenzene	None Detected	mg/kg	0.2
1,4-Dichlorobenzene	None Detected	mg/kg	0.2
Dichlorodifluoromethane	None Detected	mg/kg	0.2
1,1-Dichloroethane	None Detected	mg/kg	0.2
1,2-Dichloroethane	None Detected	mg/kg	0.2
1,1-Dichloroethene	None Detected	mg/kg	0.2
cis-1,2-Dichloroethene	None Detected	mg/kg	0.2
trans-1,2-Dichloroethene	None Detected	mg/kg	0.2
1,2-Dichloropropane	None Detected	mg/kg	0.2
1,3-Dichloropropane	None Detected	mg/kg	0.2
2,2-Dichloropropane	None Detected	mg/kg	0.2
1,1-Dichloropropene	None Detected	mg/kg	0.2
cis-1,3-Dichloropropene	None Detected	mg/kg	0.2
trans-1,3-Dichloropropene	None Detected	mg/kg	0.2
Ethyl Benzene	2.7	mg/kg	0.2
Hexachlorobutadiene	None Detected	mg/kg	0.2
Isopropylbenzene	0.26	mg/kg	0.2
p-Isopropyltoluene	None Detected	mg/kg	0.2
Methylene Chloride	None Detected	mg/kg	0.4
Naphthalene	2.8	mg/kg	0.2
n-Propylbenzene	1.6	mg/kg	0.2

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-9

Sample Description: LAKELAND: PTR3 59.5 - 61 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.2
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.2
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.2
Tetrachloroethene	None Detected	mg/kg	0.2
Toluene	7.3	mg/kg	0.2
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.2
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.2
1,1,1-Trichloroethane	None Detected	mg/kg	0.2
1,1,2-Trichloroethane	None Detected	mg/kg	0.2
Trichloroethene	None Detected	mg/kg	0.2
Trichlorofluoromethane	None Detected	mg/kg	0.2
1,2,3-Trichloropropane	None Detected	mg/kg	0.2
1,2,4-Trimethylbenzene	13.	mg/kg	0.5
1,3,5-Trimethylbenzene	4.3	mg/kg	0.2
Vinyl Chloride	None Detected	mg/kg	0.2
Total Xylenes	19.	mg/kg	0.4
Methyl-t-butylether	None Detected	mg/kg	0.2

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	88.	70-121
Toluene-d8	103.	81-117
4-Bromofluorobenzene	96.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-10

Sample Description: LAKELAND: PTR4 1.5 - 2.0 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/12/97
Date Analyzed: 01/12/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	None Detected	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	None Detected	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	None Detected	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-10

Sample Description: LAKELAND: PTR4 1.5 - 2.0 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	None Detected	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	None Detected	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	None Detected	mg/kg	0.01
Methyl-t-butylether	None Detected	mg/kg	0.005

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	102.	70-121
Toluene-d8	102.	81-117
4-Bromofluorobenzene	99.	74-121

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-11

Sample Description: LAKELAND: PTR4 59.5 - 61 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	9.4	mg/kg	0.3
Bromobenzene	None Detected	mg/kg	0.3
Bromochloromethane	None Detected	mg/kg	0.3
Bromodichloromethane	None Detected	mg/kg	0.3
Bromoform	None Detected	mg/kg	0.3
Bromomethane	None Detected	mg/kg	0.3
n-Butylbenzene	2.7	mg/kg	0.3
sec-Butylbenzene	0.49	mg/kg	0.3
tert-Butylbenzene	None Detected	mg/kg	0.3
Carbon tetrachloride	None Detected	mg/kg	0.3
Chlorobenzene	None Detected	mg/kg	0.3
Chloroethane	None Detected	mg/kg	0.3
Chloroform	None Detected	mg/kg	0.3
Chloromethane	None Detected	mg/kg	0.3
2-Chlorotoluene	None Detected	mg/kg	0.3
4-Chlorotoluene	None Detected	mg/kg	0.3
Dibromochloromethane	None Detected	mg/kg	0.3
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.3
1,2-Dibromoethane	None Detected	mg/kg	0.3
Dibromomethane	None Detected	mg/kg	0.3
1,2-Dichlorobenzene	None Detected	mg/kg	0.3
1,3-Dichlorobenzene	None Detected	mg/kg	0.3
1,4-Dichlorobenzene	None Detected	mg/kg	0.3
Dichlorodifluoromethane	None Detected	mg/kg	0.3
1,1-Dichloroethane	None Detected	mg/kg	0.3
1,2-Dichloroethane	None Detected	mg/kg	0.3
1,1-Dichloroethene	None Detected	mg/kg	0.3
cis-1,2-Dichloroethene	None Detected	mg/kg	0.3
trans-1,2-Dichloroethene	None Detected	mg/kg	0.3
1,2-Dichloropropane	None Detected	mg/kg	0.3
1,3-Dichloropropane	None Detected	mg/kg	0.3
2,2-Dichloropropane	None Detected	mg/kg	0.3
1,1-Dichloropropene	None Detected	mg/kg	0.3
cis-1,3-Dichloropropene	None Detected	mg/kg	0.3
trans-1,3-Dichloropropene	None Detected	mg/kg	0.3
Ethyl Benzene	14.	mg/kg	0.3
Hexachlorobutadiene	None Detected	mg/kg	0.3
Isopropylbenzene	0.91	mg/kg	0.3
p-Isopropyltoluene	None Detected	mg/kg	0.3
Methylene Chloride	None Detected	mg/kg	0.6
Naphthalene	4.0	mg/kg	0.3
n-Propylbenzene	5.2	mg/kg	0.3

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-11

Sample Description: LAKELAND: PTR4 59.5 - 61 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.3
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.3
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.3
Tetrachloroethene	None Detected	mg/kg	0.3
Toluene	49.	mg/kg	2.
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.3
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.3
1,1,1-Trichloroethane	None Detected	mg/kg	0.3
1,1,2-Trichloroethane	None Detected	mg/kg	0.3
Trichloroethene	None Detected	mg/kg	0.3
Trichlorofluoromethane	None Detected	mg/kg	0.3
1,2,3-Trichloropropane	None Detected	mg/kg	0.3
1,2,4-Trimethylbenzene	33.	mg/kg	2.
1,3,5-Trimethylbenzene	11.	mg/kg	0.3
Vinyl Chloride	None Detected	mg/kg	0.3
Total Xylenes	90.	mg/kg	4.
Methyl-t-butylether	None Detected	mg/kg	0.3

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	89.	70-121
Toluene-d8	101.	81-117
4-Bromofluorobenzene	97.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-12

Sample Description: LAKELAND: PTR4 64.5 - 66 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	0.46	mg/kg	0.3
Bromobenzene	None Detected	mg/kg	0.3
Bromochloromethane	None Detected	mg/kg	0.3
Bromodichloromethane	None Detected	mg/kg	0.3
Bromoform	None Detected	mg/kg	0.3
Bromomethane	None Detected	mg/kg	0.3
n-Butylbenzene	2.3	mg/kg	0.3
sec-Butylbenzene	0.38	mg/kg	0.3
tert-Butylbenzene	None Detected	mg/kg	0.3
Carbon tetrachloride	None Detected	mg/kg	0.3
Chlorobenzene	None Detected	mg/kg	0.3
Chloroethane	None Detected	mg/kg	0.3
Chloroform	None Detected	mg/kg	0.3
Chloromethane	None Detected	mg/kg	0.3
2-Chlorotoluene	None Detected	mg/kg	0.3
4-Chlorotoluene	None Detected	mg/kg	0.3
Dibromochloromethane	None Detected	mg/kg	0.3
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.3
1,2-Dibromoethane	None Detected	mg/kg	0.3
Dibromomethane	None Detected	mg/kg	0.3
1,2-Dichlorobenzene	None Detected	mg/kg	0.3
1,3-Dichlorobenzene	None Detected	mg/kg	0.3
1,4-Dichlorobenzene	None Detected	mg/kg	0.3
Dichlorodifluoromethane	None Detected	mg/kg	0.3
1,1-Dichloroethane	None Detected	mg/kg	0.3
1,2-Dichloroethane	None Detected	mg/kg	0.3
1,1-Dichloroethene	None Detected	mg/kg	0.3
cis-1,2-Dichloroethene	None Detected	mg/kg	0.3
trans-1,2-Dichloroethene	None Detected	mg/kg	0.3
1,2-Dichloropropane	None Detected	mg/kg	0.3
1,3-Dichloropropane	None Detected	mg/kg	0.3
2,2-Dichloropropane	None Detected	mg/kg	0.3
1,1-Dichloropropene	None Detected	mg/kg	0.3
cis-1,3-Dichloropropene	None Detected	mg/kg	0.3
trans-1,3-Dichloropropene	None Detected	mg/kg	0.3
Ethyl Benzene	3.5	mg/kg	0.3
Hexachlorobutadiene	None Detected	mg/kg	0.3
Isopropylbenzene	0.45	mg/kg	0.3
p-Isopropyltoluene	None Detected	mg/kg	0.3
Methylene Chloride	None Detected	mg/kg	0.6
Naphthalene	4.7	mg/kg	0.3
n-Propylbenzene	2.6	mg/kg	0.3

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-12

Sample Description: LAKELAND: PTR4 64.5 - 66 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.3
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.3
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.3
Tetrachloroethene	None Detected	mg/kg	0.3
Toluene	6.1	mg/kg	0.3
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.3
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.3
1,1,1-Trichloroethane	None Detected	mg/kg	0.3
1,1,2-Trichloroethane	None Detected	mg/kg	0.3
Trichloroethene	None Detected	mg/kg	0.3
Trichlorofluoromethane	None Detected	mg/kg	0.3
1,2,3-Trichloropropane	None Detected	mg/kg	0.3
1,2,4-Trimethylbenzene	21.	mg/kg	0.5
1,3,5-Trimethylbenzene	7.0	mg/kg	0.3
Vinyl Chloride	None Detected	mg/kg	0.3
Total Xylenes	27.	mg/kg	0.6
Methyl-t-butylether	None Detected	mg/kg	0.3

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	86.	70-121
Toluene-d8	103.	81-117
4-Bromofluorobenzene	98.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-13

Sample Description: LAKELAND: PTR6 59.5 - 61 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/15/97
Date Analyzed: 01/15/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	0.50	mg/kg	0.03
Bromobenzene	None Detected	mg/kg	0.03
Bromochloromethane	None Detected	mg/kg	0.03
Bromodichloromethane	None Detected	mg/kg	0.03
Bromoform	None Detected	mg/kg	0.03
Bromomethane	None Detected	mg/kg	0.03
n-Butylbenzene	None Detected	mg/kg	0.03
sec-Butylbenzene	None Detected	mg/kg	0.03
tert-Butylbenzene	None Detected	mg/kg	0.03
Carbon tetrachloride	None Detected	mg/kg	0.03
Chlorobenzene	None Detected	mg/kg	0.03
Chloroethane	None Detected	mg/kg	0.03
Chloroform	None Detected	mg/kg	0.03
Chloromethane	None Detected	mg/kg	0.03
2-Chlorotoluene	None Detected	mg/kg	0.03
4-Chlorotoluene	None Detected	mg/kg	0.03
Dibromochloromethane	None Detected	mg/kg	0.03
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.03
1,2-Dibromoethane	None Detected	mg/kg	0.03
Dibromomethane	None Detected	mg/kg	0.03
1,2-Dichlorobenzene	None Detected	mg/kg	0.03
1,3-Dichlorobenzene	None Detected	mg/kg	0.03
1,4-Dichlorobenzene	None Detected	mg/kg	0.03
Dichlorodifluoromethane	None Detected	mg/kg	0.03
1,1-Dichloroethane	None Detected	mg/kg	0.03
1,2-Dichloroethane	None Detected	mg/kg	0.03
1,1-Dichloroethene	None Detected	mg/kg	0.03
cis-1,2-Dichloroethene	None Detected	mg/kg	0.03
trans-1,2-Dichloroethene	None Detected	mg/kg	0.03
1,2-Dichloropropane	None Detected	mg/kg	0.03
1,3-Dichloropropane	None Detected	mg/kg	0.03
2,2-Dichloropropane	None Detected	mg/kg	0.03
1,1-Dichloropropene	None Detected	mg/kg	0.03
cis-1,3-Dichloropropene	None Detected	mg/kg	0.03
trans-1,3-Dichloropropene	None Detected	mg/kg	0.03
Ethyl Benzene	0.088	mg/kg	0.03
Hexachlorobutadiene	None Detected	mg/kg	0.03
Isopropylbenzene	None Detected	mg/kg	0.03
p-Isopropyltoluene	None Detected	mg/kg	0.03
Methylene Chloride	None Detected	mg/kg	0.06
Naphthalene	0.039	mg/kg	0.03
n-Propylbenzene	None Detected	mg/kg	0.03

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-13

Sample Description: LAKELAND: PTR6 59.5 - 61 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.03
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.03
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.03
Tetrachloroethene	None Detected	mg/kg	0.03
Toluene	0.66	mg/kg	0.03
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.03
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.03
1,1,1-Trichloroethane	None Detected	mg/kg	0.03
1,1,2-Trichloroethane	None Detected	mg/kg	0.03
Trichloroethene	None Detected	mg/kg	0.03
Trichlorofluoromethane	None Detected	mg/kg	0.03
1,2,3-Trichloropropane	None Detected	mg/kg	0.03
1,2,4-Trimethylbenzene	0.12	mg/kg	0.03
1,3,5-Trimethylbenzene	0.032	mg/kg	0.03
Vinyl Chloride	None Detected	mg/kg	0.03
Total Xylenes	0.57	mg/kg	0.06
Methyl-t-butylether	None Detected	mg/kg	0.03

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	92.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	98.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-14

Sample Description: LAKELAND: PTR6 64.5 - 66 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/07/97
Date Extracted: 01/12/97
Date Analyzed: 01/12/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	None Detected	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	None Detected	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	None Detected	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-14

Sample Description: LAKELAND: PTR6 64.5 - 66 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	None Detected	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	None Detected	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	None Detected	mg/kg	0.01
Methyl-t-butylether	None Detected	mg/kg	0.005

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	106.	70-121
Toluene-d8	103.	81-117
4-Bromofluorobenzene	100.	74-121

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-16

Sample Description: LAKELAND: PTR7 19.5 - 21 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/08/97
Date Extracted: 01/15/97
Date Analyzed: 01/15/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	None Detected	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	None Detected	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	None Detected	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-16

Sample Description: LAKELAND: PTR7 19.5 - 21 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	None Detected	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	None Detected	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	None Detected	mg/kg	0.01
Methyl-t-butylether	0.28	mg/kg	0.003

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	86.	70-121
Toluene-d8	101.	81-117
4-Bromofluorobenzene	100.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-17

Sample Description: LAKELAND: PTR7 54.5 - 56 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/08/97
Date Extracted: 01/15/97
Date Analyzed: 01/15/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	None Detected	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	None Detected	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	None Detected	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-17

Sample Description: LAKELAND: PTR7 54.5 - 56 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	None Detected	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	None Detected	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	None Detected	mg/kg	0.01
Methyl-t-butylether	0.050	mg/kg	0.005

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	89.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	97.	74-121

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-18

Sample Description: LAKELAND: PTR5 1.5 - 2.0 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/08/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	1.
Bromobenzene	None Detected	mg/kg	1.
Bromochloromethane	None Detected	mg/kg	1.
Bromodichloromethane	None Detected	mg/kg	1.
Bromoform	None Detected	mg/kg	1.
Bromomethane	None Detected	mg/kg	1.
n-Butylbenzene	None Detected	mg/kg	1.
sec-Butylbenzene	1.6	mg/kg	1.
tert-Butylbenzene	None Detected	mg/kg	1.
Carbon tetrachloride	None Detected	mg/kg	1.
Chlorobenzene	None Detected	mg/kg	1.
Chloroethane	None Detected	mg/kg	1.
Chloroform	None Detected	mg/kg	1.
Chloromethane	None Detected	mg/kg	1.
2-Chlorotoluene	None Detected	mg/kg	1.
4-Chlorotoluene	None Detected	mg/kg	1.
Dibromochloromethane	None Detected	mg/kg	1.
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	1.
1,2-Dibromoethane	None Detected	mg/kg	1.
Dibromomethane	None Detected	mg/kg	1.
1,2-Dichlorobenzene	None Detected	mg/kg	1.
1,3-Dichlorobenzene	None Detected	mg/kg	1.
1,4-Dichlorobenzene	None Detected	mg/kg	1.
Dichlorodifluoromethane	None Detected	mg/kg	1.
1,1-Dichloroethane	None Detected	mg/kg	1.
1,2-Dichloroethane	None Detected	mg/kg	1.
1,1-Dichloroethene	None Detected	mg/kg	1.
cis-1,2-Dichloroethene	None Detected	mg/kg	1.
trans-1,2-Dichloroethene	None Detected	mg/kg	1.
1,2-Dichloropropane	None Detected	mg/kg	1.
1,3-Dichloropropane	None Detected	mg/kg	1.
2,2-Dichloropropane	None Detected	mg/kg	1.
1,1-Dichloropropene	None Detected	mg/kg	1.
cis-1,3-Dichloropropene	None Detected	mg/kg	1.
trans-1,3-Dichloropropene	None Detected	mg/kg	1.
Ethyl Benzene	None Detected	mg/kg	1.
Hexachlorobutadiene	None Detected	mg/kg	1.
Isopropylbenzene	None Detected	mg/kg	1.
p-Isopropyltoluene	2.7	mg/kg	1.
Methylene Chloride	None Detected	mg/kg	2.
Naphthalene	None Detected	mg/kg	1.
n-Propylbenzene	None Detected	mg/kg	1.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-18

Sample Description: LAKELAND: PTR5 1.5 - 2.0 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	1.
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	1.
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	1.
Tetrachloroethene	None Detected	mg/kg	1.
Toluene	None Detected	mg/kg	1.
1,2,3-Trichlorobenzene	None Detected	mg/kg	1.
1,2,4-Trichlorobenzene	None Detected	mg/kg	1.
1,1,1-Trichloroethane	None Detected	mg/kg	1.
1,1,2-Trichloroethane	None Detected	mg/kg	1.
Trichloroethene	None Detected	mg/kg	1.
Trichlorofluoromethane	None Detected	mg/kg	1.
1,2,3-Trichloropropane	None Detected	mg/kg	1.
1,2,4-Trimethylbenzene	None Detected	mg/kg	1.
1,3,5-Trimethylbenzene	3.8	mg/kg	1.
Vinyl Chloride	None Detected	mg/kg	1.
Total Xylenes	4.4	mg/kg	2.
Methyl-t-butylether	1.5	mg/kg	1.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	94.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	119.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-19

Sample Description: LAKELAND: PTR5 39.5 - 41 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/08/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	0.057	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	0.0055	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	0.021	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	0.011	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-19

Sample Description: LAKELAND: PTR5 39.5 - 41 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	0.0094	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	0.028	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	0.039	mg/kg	0.01
Methyl-t-butylether	None Detected	mg/kg	0.005

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	96.	70-121
Toluene-d8	102.	81-117
4-Bromofluorobenzene	111.	74-121

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-20

Sample Description: LAKELAND: PTR5 54.5 - 56 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/08/97
Date Extracted: 01/16/97
Date Analyzed: 01/16/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	mg/kg	0.005
Bromobenzene	None Detected	mg/kg	0.005
Bromochloromethane	None Detected	mg/kg	0.005
Bromodichloromethane	None Detected	mg/kg	0.005
Bromoform	None Detected	mg/kg	0.005
Bromomethane	None Detected	mg/kg	0.005
n-Butylbenzene	None Detected	mg/kg	0.005
sec-Butylbenzene	None Detected	mg/kg	0.005
tert-Butylbenzene	None Detected	mg/kg	0.005
Carbon tetrachloride	None Detected	mg/kg	0.005
Chlorobenzene	None Detected	mg/kg	0.005
Chloroethane	None Detected	mg/kg	0.005
Chloroform	None Detected	mg/kg	0.005
Chloromethane	None Detected	mg/kg	0.005
2-Chlorotoluene	None Detected	mg/kg	0.005
4-Chlorotoluene	None Detected	mg/kg	0.005
Dibromochloromethane	None Detected	mg/kg	0.005
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	0.005
1,2-Dibromoethane	None Detected	mg/kg	0.005
Dibromomethane	None Detected	mg/kg	0.005
1,2-Dichlorobenzene	None Detected	mg/kg	0.005
1,3-Dichlorobenzene	None Detected	mg/kg	0.005
1,4-Dichlorobenzene	None Detected	mg/kg	0.005
Dichlorodifluoromethane	None Detected	mg/kg	0.005
1,1-Dichloroethane	None Detected	mg/kg	0.005
1,2-Dichloroethane	None Detected	mg/kg	0.005
1,1-Dichloroethene	None Detected	mg/kg	0.005
cis-1,2-Dichloroethene	None Detected	mg/kg	0.005
trans-1,2-Dichloroethene	None Detected	mg/kg	0.005
1,2-Dichloropropane	None Detected	mg/kg	0.005
1,3-Dichloropropane	None Detected	mg/kg	0.005
2,2-Dichloropropane	None Detected	mg/kg	0.005
1,1-Dichloropropene	None Detected	mg/kg	0.005
cis-1,3-Dichloropropene	None Detected	mg/kg	0.005
trans-1,3-Dichloropropene	None Detected	mg/kg	0.005
Ethyl Benzene	None Detected	mg/kg	0.005
Hexachlorobutadiene	None Detected	mg/kg	0.005
Isopropylbenzene	None Detected	mg/kg	0.005
p-Isopropyltoluene	None Detected	mg/kg	0.005
Methylene Chloride	None Detected	mg/kg	0.01
Naphthalene	None Detected	mg/kg	0.005
n-Propylbenzene	None Detected	mg/kg	0.005

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-20

Sample Description: LAKELAND: PTR5 54.5 - 56 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	0.005
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	0.005
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	0.005
Tetrachloroethene	None Detected	mg/kg	0.005
Toluene	None Detected	mg/kg	0.005
1,2,3-Trichlorobenzene	None Detected	mg/kg	0.005
1,2,4-Trichlorobenzene	None Detected	mg/kg	0.005
1,1,1-Trichloroethane	None Detected	mg/kg	0.005
1,1,2-Trichloroethane	None Detected	mg/kg	0.005
Trichloroethene	None Detected	mg/kg	0.005
Trichlorofluoromethane	None Detected	mg/kg	0.005
1,2,3-Trichloropropane	None Detected	mg/kg	0.005
1,2,4-Trimethylbenzene	None Detected	mg/kg	0.005
1,3,5-Trimethylbenzene	None Detected	mg/kg	0.005
Vinyl Chloride	None Detected	mg/kg	0.005
Total Xylenes	None Detected	mg/kg	0.01
Methyl-t-butylether	None Detected	mg/kg	0.005

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	92.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	90.	74-121

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. • Bakersfield, CA 93308 • (805) 327-4911 • FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-21

Sample Description: LAKELAND: PTR2 34.5 - 36 SAMPLED BY LINDA BARNES

Sample Matrix: Soil

Date Collected: 01/06/97
Date Extracted: 01/17/97
Date Analyzed: 01/17/97

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	14.	mg/kg	5.0
Bromobenzene	None Detected	mg/kg	5.0
Bromochloromethane	None Detected	mg/kg	5.0
Bromodichloromethane	None Detected	mg/kg	5.0
Bromoform	None Detected	mg/kg	5.0
Bromomethane	None Detected	mg/kg	5.0
n-Butylbenzene	None Detected	mg/kg	5.0
sec-Butylbenzene	2.4	mg/kg	2.0
tert-Butylbenzene	None Detected	mg/kg	5.0
Carbon tetrachloride	None Detected	mg/kg	5.0
Chlorobenzene	None Detected	mg/kg	5.0
Chloroethane	None Detected	mg/kg	5.0
Chloroform	None Detected	mg/kg	5.0
Chloromethane	None Detected	mg/kg	5.0
2-Chlorotoluene	None Detected	mg/kg	5.0
4-Chlorotoluene	None Detected	mg/kg	5.0
Dibromochloromethane	None Detected	mg/kg	5.0
1,2-Dibromo-3-Chloropropane	None Detected	mg/kg	5.0
1,2-Dibromoethane	None Detected	mg/kg	5.0
Dibromomethane	None Detected	mg/kg	5.0
1,2-Dichlorobenzene	None Detected	mg/kg	5.0
1,3-Dichlorobenzene	None Detected	mg/kg	5.0
1,4-Dichlorobenzene	None Detected	mg/kg	5.0
Dichlorodifluoromethane	None Detected	mg/kg	5.0
1,1-Dichloroethane	None Detected	mg/kg	5.0
1,2-Dichloroethane	None Detected	mg/kg	5.0
1,1-Dichloroethene	None Detected	mg/kg	5.0
cis-1,2-Dichloroethene	None Detected	mg/kg	5.0
trans-1,2-Dichloroethene	None Detected	mg/kg	5.0
1,2-Dichloropropane	None Detected	mg/kg	5.0
1,3-Dichloropropane	None Detected	mg/kg	5.0
2,2-Dichloropropane	None Detected	mg/kg	5.0
1,1-Dichloropropene	None Detected	mg/kg	5.0
cis-1,3-Dichloropropene	None Detected	mg/kg	5.0
trans-1,3-Dichloropropene	None Detected	mg/kg	5.0
Ethyl Benzene	49.	mg/kg	5.0
Hexachlorobutadiene	None Detected	mg/kg	5.0
Isopropylbenzene	3.8	mg/kg	2.0
p-Isopropyltoluene	None Detected	mg/kg	5.0
Methylene Chloride	None Detected	mg/kg	10.
Naphthalene	19.	mg/kg	5.0
n-Propylbenzene	20.	mg/kg	5.0

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

BC LABORATORIES

Volatile Organic Analysis
(EPA Method 8260)

TRIHYDRO
920 SHERIDAN
LARAMIE, WY 82070
Attn: LINDA BARNES 307-745-7474

Date Reported: 01/17/97
Date Received: 01/08/97
Laboratory No.: 97-00301-21

Sample Description: LAKELAND: PTR2 34.5 - 36 SAMPLED BY LINDA BARNES

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	mg/kg	5.0
1,1,1,2-Tetrachloroethane	None Detected	mg/kg	5.0
1,1,2,2-Tetrachloroethane	None Detected	mg/kg	5.0
Tetrachloroethene	None Detected	mg/kg	5.0
Toluene	130.	mg/kg	5.0
1,2,3-Trichlorobenzene	None Detected	mg/kg	5.0
1,2,4-Trichlorobenzene	None Detected	mg/kg	5.0
1,1,1-Trichloroethane	None Detected	mg/kg	5.0
1,1,2-Trichloroethane	None Detected	mg/kg	5.0
Trichloroethene	None Detected	mg/kg	5.0
Trichlorofluoromethane	None Detected	mg/kg	5.0
1,2,3-Trichloropropane	None Detected	mg/kg	5.0
1,2,4-Trimethylbenzene	140.	mg/kg	5.0
1,3,5-Trimethylbenzene	36.	mg/kg	5.0
Vinyl Chloride	None Detected	mg/kg	5.0
Total Xylenes	340.	mg/kg	10.
Methyl-t-butylether	None Detected	mg/kg	5.0

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	93.	70-121
Toluene-d8	100.	81-117
4-Bromofluorobenzene	95.	74-121

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

cc: POWERINE OIL CO. - MATT WINEFIELD

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Ct. · Bakersfield, CA 93308 · (805) 327-4911 · FAX (805) 327-1918

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108	**JEL Ref. No.:**	A-2625
	Santa Fe Springs, CA 90670	**Client Ref. No.:**	063-008
Attn:	Matt Winefield	**Date Sampled:**	01/06-07/97
		Date Received:	01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

ANALYSES REQUESTED

1. EPA 8020 - Volatile Aromatic Hydrocarbons
2. Mod 8015 Diesel - Simulated Distillation Extended Range

Approval:

Steve Jones, Ph.D.
Laboratory Manager

*** Samples will be held for a maximum of 30 days unless otherwise notified in writting. ***

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108	**JEL Ref. No.:**	A-2625
	Santa Fe Springs, CA 90670	**Client Ref. No.:**	063-008
Attn:	Matt Winefield	**Date Sampled:**	01/06-07/97
		Date Received:	01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

	Concentration (mg/Kg)				Reporting Limits	Surrogate
Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	(mg/Kg)	Recovery %
PTR1-59.5-61	0.050	0.025	0.010	0.045	0.005	110
PTR1-69.5-71	ND	0.011	ND	0.016	0.005	102
PTR2-24.5-26	2.6	1.6	7.0	22	0.75	102
PTR2-64.5-66	ND	0.014	ND	0.009	0.005	111
PTR2-69.5-71	1.3	4.6	4.4	14	0.20	124
PTR3-29.5-31	200	900	75	2000	30.	--
PTR3-49.5-51	28	50	40	120	1.0	--
PTR3-64.5-66	1.2	15	13	40	0.5	112
PTR4-34.5-36	22	25	19	58	0.5	--
PTR4-44.5-46	25	55	41	120	1.5	118

ND = Not Detected

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108	**JEL Ref. No.:**	A-2625
	Santa Fe Springs, CA 90670	**Client Ref. No.:**	063-008
Attn:	Matt Winefield	**Date Sampled:**	01/06-07/97
		Date Received:	01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

Sample Spiked: CLEAN SOIL

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)
Toluene	102%	102%	0.8%	65 - 125
o-Xylene	105%	108%	2.3%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108	**JEL Ref. No.:**	A-2625
	Santa Fe Springs, CA 90670	**Client Ref. No.:**	063-008
Attn:	Matt Winefield	**Date Sampled:**	01/06-07/97
		Date Received:	01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

	Sample ID Concentration (mg/Kg)					
Carbon Chain Range	PTR1-29.5-31	PTR1-59.5-61	PTR1-69.5-71	PTR1-74.5-76	PTR2-24.5-26	PTR2-44.5-46
C6-C7	ND	ND	ND	ND	4.5	8700
C8-C9	ND	ND	ND	ND	110	12000
C10-C11	ND	ND	ND	ND	530	4700
C12-C13	ND	ND	ND	ND	1000	1300
C14-C15	ND	ND	ND	ND	1500	ND
C16-C17	ND	ND	ND	ND	1100	ND
C18-C19	ND	ND	ND	ND	640	ND
C20-C23	ND	ND	ND	ND	380	ND
C24-C27	ND	ND	ND	ND	23	ND
C28-C31	ND	ND	ND	ND	ND	ND
C32-C35	ND	ND	ND	ND	ND	ND
C36-C39	ND	ND	ND	ND	ND	ND
C40-C43	ND	ND	ND	ND	ND	ND
C44+	ND	ND	ND	ND	ND	ND
Total	ND	ND	ND	ND	5300	27000
Reporting Limits	10	10	10	10	10	20
Surrogate Recovery %	76	88	94	96	125	96

ND = Not Detected

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108	**JEL Ref. No.:**	A-2625
	Santa Fe Springs, CA 90670	**Client Ref. No.:**	063-008
Attn:	Matt Winefield	**Date Sampled:**	01/06-07/97
		Date Received:	01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

	Sample ID Concentration (mg/Kg)					
Carbon Chain Range	PTR2-64.5-66	PTR2-69.5-71	PTR3-29.5-31	PTR3-49.5-51	PTR3-64.5-66	PTR4-34.5-36
C6-C7	ND	4.7	3900	230	140	66
C8-C9	ND	54	7300	380	360	180
C10-C11	ND	22	3300	290	150	47
C12-C13	ND	ND	12	6.3	27	5.6
C14-C15	ND	ND	ND	ND	ND	ND
C16-C17	ND	ND	ND	ND	ND	ND
C18-C19	ND	ND	ND	ND	ND	ND
C20-C23	ND	ND	ND	ND	ND	ND
C24-C27	ND	ND	ND	ND	ND	ND
C28-C31	ND	ND	ND	ND	ND	ND
C32-C35	ND	ND	ND	ND	ND	ND
C36-C39	ND	ND	ND	ND	ND	ND
C40-C43	ND	ND	ND	ND	ND	ND
C44+	ND	ND	ND	ND	ND	ND
Total	ND	80	14500	910	680	300
Reporting Limits	10	10	20	20	20	10
Surrogate Recovery %	102	97	102	105	105	110

ND = Not Detected

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:** **Client Ref. No.:**	A-2625 063-008
Attn:	Matt Winefield	**Date Sampled:** **Date Received:**	01/06-07/97 01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

	Sample ID Concentration (mg/Kg)			
Carbon Chain Range	PTR4-44.5-46	PTR4-54.5-56	PTR4-64.5-66	PTR6-54.5-56
C6-C7	180	98	260	ND
C8-C9	480	200	360	ND
C10-C11	170	45	210	ND
C12-C13	40	ND	24	ND
C14-C15	ND	ND	ND	ND
C16-C17	ND	ND	ND	ND
C18-C19	ND	ND	ND	ND
C20-C23	ND	ND	ND	ND
C24-C27	ND	ND	ND	ND
C28-C31	ND	ND	ND	ND
C32-C35	ND	ND	ND	ND
C36-C39	ND	ND	ND	ND
C40-C43	ND	ND	ND	ND
C44+	ND	ND	ND	ND
Total	870	340	850	ND
Reporting Limits	10	10	10	10
Surrogate Recovery %	103	104	107	96

ND = Not Detected

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Powerine Oil	**Report Date:**	01/08/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:**	A-2625
		Client Ref. No.:	063-008
Attn:	Matt Winefield	**Date Sampled:**	01/06-07/97
		Date Received:	01/07/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/07/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

Sample Spiked: PTR2-64.5-66

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)
Diesel	90%	86%	4.3%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Powerine Oil	**Report Date:**	01/13/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:** **Client Ref. No.:**	B-1485
Attn:	Matt Winefield	**Date Sampled:** **Date Received:**	01/08/97 01/09/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/11/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

ANALYSES REQUESTED

1. EPA 8020 - Volatile Aromatic Hydrocarbons
2. Mod 8015 Diesel - Simulated Distillation Extended Range

Approval:

Steve Jones, Ph.D.
Laboratory Manager

*** Samples will be held for a maximum of 30 days unless otherwise notified in writting. ***

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Powerine Oil	**Report Date:**	01/13/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:** **Client Ref. No.:**	B-1485
Attn:	Matt Winefield	**Date Sampled:** **Date Received:**	01/08/97 01/09/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/11/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

	Concentration (mg/Kg)				Reporting Limits	Surrogate
Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	(mg/Kg)	Recovery %
PTR7-64.5-66	0.026	0.020	ND	0.014	0.005	107
PTR5-59.5-61	0.030	0.020	0.005	0.017	0.010	116

ND = Not Detected

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Powerine Oil	**Report Date:**	01/13/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:** **Client Ref. No.:**	B-1485
Attn:	Matt Winefield	**Date Sampled:** **Date Received:**	01/08/97 01/09/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/11/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons

Sample Spiked: C (B-1486)

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)
Toluene	100%	102%	1.8%	65 - 125
o-Xylene	107%	106%	0.7%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Powerine Oil	**Report Date:**	01/13/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:**	B-1485
		Client Ref. No.:	
Attn:	Matt Winefield	**Date Sampled:**	01/08/97
		Date Received:	01/09/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/11/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

	Sample ID Concentration (mg/Kg)		
Carbon Chain Range	PTR7- 19.5-21	PTR7- 54.5-56	PTR5- 39.5-41
C6-C7	ND	ND	ND
C8-C9	ND	ND	ND
C10-C11	ND	ND	ND
C12-C13	ND	ND	ND
C14-C15	ND	ND	ND
C16-C17	ND	ND	ND
C18-C19	ND	ND	ND
C20-C23	ND	ND	ND
C24-C27	ND	ND	ND
C28-C31	ND	ND	ND
C32-C35	ND	ND	ND
C36-C39	ND	ND	ND
C40-C43	ND	ND	ND
C44+	ND	ND	ND
Total	ND	ND	ND
Reporting Limits	10	10	10
Surrogate Recovery %	86	85	91

ND = Not Detected

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

Jones Environmental

Testing Laboratories

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Powerine Oil	**Report Date:**	01/13/97
Client Address:	P.O.Box 2108 Santa Fe Springs, CA 90670	**JEL Ref. No.:** **Client Ref. No.:**	B-1485
Attn:	Matt Winefield	**Date Sampled:** **Date Received:**	01/08/97 01/09/97
Project:	Powerine Lakeland Terminal	**Date Analyzed:**	01/11/97
Project Address:	Sante Fe Springs, CA	**Physical State:**	Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

Sample Spiked: C (B-1486)

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)
Diesel	105%	104%	1.1%	65 - 125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

P.O. Box 5387
Fullerton, CA 92838

(714)449-9937
Fax (714)449-9685

APPENDIX D

CHAIN-OF-CUSTODY/SAMPLE-ANALYSIS-REQUEST FORMS

BC LABORATORIES, INC.

LABORATORY
(805) 327-4911
FAX (805) 327-1918
4100 Atlas Ct.
Bakersfield, CA 93308

SERVICE CENTER
(714) 449-7843
FAX (714) 449-9685
P.O.BOX 5387
Fullerton, CA 92635

Chain of Custody Record

Company Name: TRIHYDRO	Project Name: INVOICE MATT WINEFIELD
Address: 920 SHERIDAN	Project Manager: POWERINE OIL COMPANY
City: LARAMIE State: WY Zip Code: 82070	AFE # phone 310 944 6111 12354 LAKELAND
Telephone: 307 745 7474 FAX: 307 745 7729	Site # fax 310 944 8522 SANTA FE SPRINGS, CA 90670
Report To: LINDA BARNES Sampler: L. BARNES	QC Data: ☐ Level (standard) ☐ Level I ☐ Level II ☐ Level III

Turnaround Time: (Working Days) ☐ 10 Days (Standard) ☒ 5 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day ☐ 2-8 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

CODE: ☐ Misc. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

Analyses Requested

	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	8260 + MTBE	8310								Comments
1	PTR1 1.5-2.0	1-6-97	Soil	2	RING			X								
2	PTR1 14.5-16	1-6-97		2			X									
3	PTR1 54.5-56	1-6-97		2			X									
4	PTR2 14.5-16	1-6-97		2			X									
5	PTR2 24.5-26	1-6-97		1				X								
6	PTR2 44.5-46	1-6-97		1			X									
7	PTR2 59.5-61	1-6-97		2			X									
8	PTR 3 39.5-41	1-7-97		2			X									
9	PTR 3 59.5-61	1-7-97		2			X									

Relinquished By: [signature]	Date: 1-8-97	Time: 1500	Received By: [signature]	Date: 1/8/97	Time: 8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received In Good Condition? ☐ Yes ☐ No Samples On Ice ☐ Yes ☐ No Method Of Shipment_____ Page____ Of____

To be completed upon receipt of report:
1) Were analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?_____
2) Was the report issued in the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?_____
Approved by:_____ Signature:_____ Company:_____ Date:_____

97-00201

BC LABORATORIES, INC.

LABORATORY
(805) 327-4911
FAX (805) 327-1918
4100 Atlas Ct.
Bakersfield, CA 93308

SERVICE CENTER
(714) 449-7843
FAX (714) 449-9685
P.O.BOX 5387
Fullerton, CA 92635

Chain of Custody Record

Company Name: TRIHYDRO	Project Name: (INVOICE) MATT WINEFIELD
Address: 920 SHERIDAN	Project Manager: POWERINE OIL COMPANY
City: LARAMIE State: WY Zip Code: 82070	AFE # phone 310 944 6111 12354 LAKELAND RD
Telephone: 307 745 7474 FAX: 307 745 7729	Site # Fax 310 944 8522 SANTA FE SPRINGS, CA 90670
Report To: LINDA BARNES Sampler: L. BARNES	QC Data: ☐ Level (standard) ☐ Level I ☐ Level II ☐ Level III

Turnaround ☐ 10 Days (Standard) ☒ 5 Days ☐ 3 Days
Time: (Working Days) ☐ 2 Days ☐ 1 Day ☐ 2-8 Hours

☐ Drinking Water
☐ Waste Water
☐ Other

CODE: ☐ Misc. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

Analyses Requested

	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	8260 + MTBE	8310								Comments
8	PTR 5 1.5-2.0	1-8-97	SOIL	2	RING		X	X								
9	PTR 5 39.5-41	1-8-97		1			X									
20	PTR5 54.5-56	1-8-97		2			X									
21	PTR2 34.5-36	1-6-97		1			X									

Relinquished By: [signature]	Date: 1-8-97	Time: 1500	Received By: Michelle L. [signature]	Date: 1/8/97	Time: 3:00p
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received In Good Condition? ☐ Yes ☐ No Samples On Ice ☐ Yes ☐ No Method Of Shipment_____ Page____ Of____

To be completed upon receipt of report:
1) Were analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?_____
2) Was the report issued in the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?_____
Approved by:_____ Signature:_____ Company:_____ Date:_____

BC LABORATORIES, INC.

LABORATORY
(805) 327-4911
FAX (805) 327-1918
4100 Atlas Ct.
Bakersfield, CA 93308

SERVICE CENTER
(714) 449-7843
FAX (714) 449-9685
P.O.BOX 5387
Fullerton, CA 92635

Chain of Custody Record

Company Name: TRIHYDRO		Project Name: INJOICE MATT WINEFIELD	
Address: 920 SHERIDAN		Project Manager: POWERINE OIL COMPANY	
City: LARAMIE State: WY	Zip Code: 82070	AFE # phone: 310 944 6111	12354 LAKELAND RD
Telephone: 307 745-7474	FAX: 307 745-7729	Site # fax: 310 944 8522	SANTA FE SPRINGS, CA 90670
Report To: LINDA BARNES	Sampler: L. BARNES	QC Data: ☐ Level (standard) ☐ Level I ☐ Level II ☐ Level III	

Turnaround ☐ 10 Days (Standard) ☒ 5 Days ☐ 3 Days
Time: (Working Days) ☐ 2 Days ☐ 1 Day ☐ 2-8 Hours

☐ Drinking Water
☐ Waste Water
☐ Other

CODE: ☐ Misc. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

Analyses Requested

	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	8260 + MTBE	8310								Comments
10	PTR 4 1.5-2.0	1-7-97	Soil	2	Ring		X	X								
11	PTR 4 59.5-61	1-7-97		1			X									
12	PTR 4 64.5-66	1-7-97		1			X									
13	PTR 6 59.5-61	1-7-97		2			X									
14	PTR 6 64.5-66	1-7-97		2			X									
15	PTR 6 74.5-76	1-7-97		1												HOLD FOR POSSIBLE 8260 ANALYSIS. TO BE DETERMINED UPON RECEIPT OF ANALYTICAL DATA.
16	PTR 7 19.5-21	1-8-97		1			X									
17	PTR 7 54.5-56	1-8-97		1			X									

Relinquished By: [signature]	Date: 1-8-97	Time: 1500	Received By: [signature]	Date: 1/8/97	Time: 8:00 p
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received In Good Condition? ☐ Yes ☐ No Samples On Ice ☐ Yes ☐ No Method Of Shipment_____ Page____ Of____

To be completed upon receipt of report:
1) Were analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?_____
2) Was the report issued in the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?_____
Approved by:_____ Signature:_____ Company:_____ Date:_____

BC LABORATORIES, INC.

LABORATORY
(805) 327-4911
FAX (805) 327-1918
4100 Atlas Ct.
Bakersfield, CA 93308

SERVICE CENTER
(714) 449-7843
FAX (714) 449-9685
P.O.BOX 5387
Fullerton, CA 92635

#42625

Chain of Custody Record

Company Name: TRIHYDRO/POWERINE	Project Name: POWERINE LAKELAND TERMINAL
Address: 920 SHERIDAN	Project Manager:
City: LARAMIE State: WY Zip Code: 82070	AFE #
Telephone: 307 745-7474 FAX: 307 745-7729	Site #
Report To: LINDA BARNES Sampler: L. BARNES	QC Data: ☐ Level (standard) ☐ Level I ☐ Level II ☐ Level III

Turnaround ☐ 10 Days (Standard) ☐ 5 Days ☐ 3 Days
Time: (Working Days) ☐ 2 Days ☐ 1 Day ☐ 2-8 Hours

☐ Drinking Water
☐ Waste Water
☐ Other

CODE: ☐ Misc. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	8015M G-GHP	8020 BTEX								Comments
PTR4 34.5-36	1-7-97	S	1	RING		X	X								
PTR4 44.5-46	1-7-97	S	1	RING		X	X								
PTR3 29.5-31	1-7-97	S	1	RING		X	X								
PTR4 54.5-56	1-7-97	S	1	RING		X									Hold - analyze only if PTR 64.5-66 appears non-impacted
PTR4 64.5-66	1-7-97	S	1	RING		X									
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~RING~~	~~[illegible]~~	~~[illegible]~~									
PTR 6 54.5-56	1-7-97	S	1	RING		X									
PTR3 49.5-51	1-7-97	S	1	RING		X	X								
PTR3 64.5-66	1-7-97	S	1	RING		X	X								

Relinquished By: [signature]	Date: 1-7-97	Time: 1000	Received By: [signature]	Date: 1/7/97	Time: 15:30
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received In Good Condition? ☐ Yes ☐ No Samples On Ice ☐ Yes ☐ No Method Of Shipment_____ Page____ Of____

To be completed upon receipt of report:
1) Were analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?_____
2) Was the report issued in the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?_____
Approved by:_____ Signature:_____ Company:_____ Date:_____

BC LABORATORIES, INC.

LABORATORY
(805) 327-4911
FAX (805) 327-1918
4100 Atlas Ct.
Bakersfield, CA 93308

SERVICE CENTER
(714) 449-7843
FAX (714) 449-9685
P.O.BOX 5387
Fullerton, CA 92635

Chain of Custody Record

Company Name: TRIHYDRO	Project Name: INVOICE: MATT WINEFIELD
Address: 920 SHERIDAN	Project Manager: POWERINE OIL COMPANY
City: LARAMIE State: WY Zip Code: 82070	AFE # phone 310 944 6111 12354 LAKELAND RD
Telephone: 307 745 7474 FAX: 307 745 7729	Site # fax 310 944 8522 SANTA FE SPRINGS, CA 90670
Report To: LINDA BARNES Sampler: L. BARNES	QC Data: ☐ Level (standard) ☐ Level I ☐ Level II ☐ Level III

Turnaround Time: (Working Days) ☐ 10 Days (Standard) ☐ 5 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day ☐ 2-8 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

CODE: ☐ Misc. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	8015 C4-C44	8020								Comments
PTR 7 19.5-21	1-8-97	Soil	1	Ring	B1485-1	X									Note:
PTR 7 54.5-56	1-8-97	Soil	1	〃	B1485-2	X									Please return cooler
PTR 7 64.5-66	1-8-97	〃	1	〃	B1485-3		X								to Tri Hydro
PTR 5 39.5-41	1-8-97	〃	1	〃	B1485-4	X									Address in cooler.
PTR 5 59.5-60	1-8-97	〃	1	〃	B1485-5	[redacted]	X								Thanks.

Relinquished By: [signature]	Date: 1-8-97	Time: 1500	Received By: [signature]	Date: 1/9/97	Time: 13:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received In Good Condition? ☐ Yes ☐ No Samples On Ice ☐ Yes ☐ No Method Of Shipment_____ Page____ Of____

To be completed upon receipt of report:
1) Were analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?_____
2) Was the report issued in the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?_____
Approved by:_____ Signature:_____ Company:_____ Date:_____

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: HA2602
DATE 1/7/97 PAGE 1 OF 2

PROJECT NAME POWERINE LAKELAND TERMINAL
ADDRESS 12354 Lakeland Rd, Santa Fe Springs
SAMPLER'S SIGNATURE [signature]
PRINTED NAME LINDA BARNES
CLIENT PROJECT NO. 063-008
PROJECT MANAGER LINDA BARNES

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX 8020	418.1	Modified 8015 (C6-C44)						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
PTR1 (29.5-31)	1-6-97							X						S	6" Brass	1	
PTR1 (59.5-61)	1-6-97					X		X						S		1	
PTR1 (69.5-71)	1-6-97					X		X						S		1	
PTR1 (74.5-76)	1-6-97							X						S		1	
PTR2 (24.5-26)	1-6-97					X		X						S		1	
PTR2 (44.5-46)	1-6-97							X						S		1	
PTR2 (64.5-66)	1-6-97					X		X						S		1	
PTR2 (69.5-71)	1-6-97					X		X						S		1	partially full only.

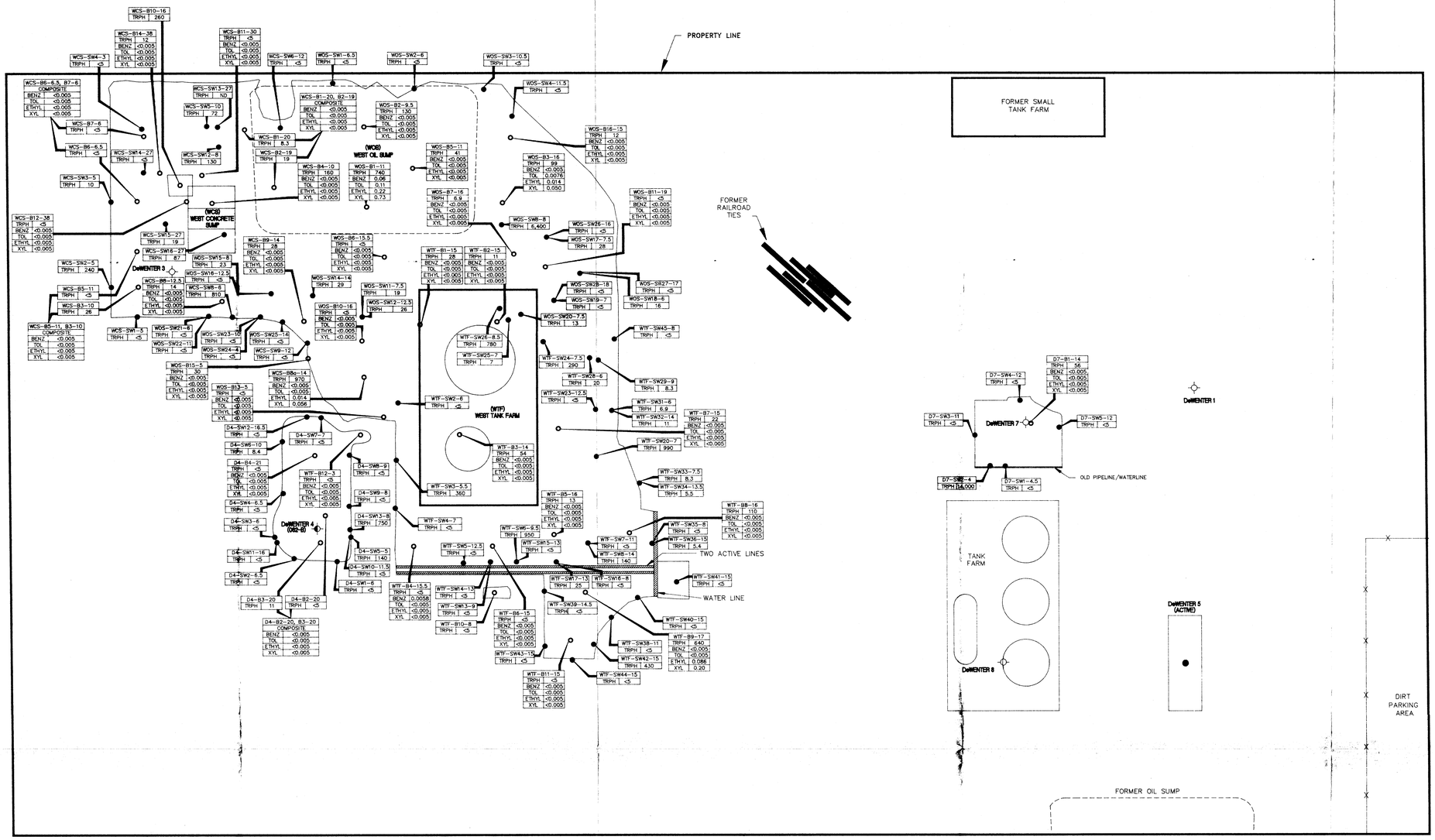
1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE [signature]	1/6/97	SIGNATURE		SIGNATURE	
PRINTED NAME LINDA BARNES	TIME 1700	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY TRIHYDRO		COMPANY		COMPANY	

2 RECEIVED BY	DATE	4 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]		SIGNATURE		SIGNATURE	
PRINTED NAME STEVE JONES	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY JONES ENVIRONMENTAL		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

ORIGINAL



LEGEND

- ACTIVE OIL WELL
- ABANDONED OIL WELL
- FIELD LOCATED ABANDONED OIL WELL
- SIDEWALL SAMPLE LOCATION
- BOTTOM SAMPLE LOCATION
- FENCE
- EXCAVATION BOUNDARY
- PIPELINE

SITE FEATURE I.D.
SAMPLE LOCATION (SW=SIDEWALL, B=BOTTOM)
DEPTH (FEET)

WOS-B12-7	
TRPH	2,900
BENZ	<0.005
TOL	<0.005
ETHYL	<0.005
XYL	<0.005

TRPH	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (ppm)
BENZ	BENZENE (ppm)
TOL	TOLUENE (ppm)
ETHYL	ETHYLBENZENE (ppm)
XYL	XYLENES (ppm)

N

0 20'

SCALE 1"=20'

McLaren Hart

FIGURE 4
EXCAVATION LOCATIONS AND
SOIL SAMPLE ANALYTICAL RESULTS
MOBIL DEWENTER/JORDAN/GREEN
PROPERTY
SANTA FE SPRINGS, CA

DRAWN BY E.M.	DATE 5-20-94	LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	FRAC. DEC. ANG.
CHECKED BY E.F., S.E.	DATE 5-20-94		
APPROVED BY S.A.M.	DATE 5-20-94	JOB NAME MOBIL DeWENTER	DRAWING NUMBER C9502005
SCALE AS SHOWN	REVISION DATE 2/8/95		

MODIFIED FROM LEVINE-FRICKE, OCTOBER 18, 1991 PHASE I REPORT.