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SEMIANNUAL GROUNDWATER MONITORING REPORT
POWERINE OIL COMPANY
SANTA FE SPRINGS, CALIFORNIA
(July 1996 - December 1996)

February 26, 1997

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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.

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1.0 INTRODUCTION

Powerine Oil Company (POC) owns and operates a petroleum refinery located at 12354 Lakeland Road in Santa Fe Springs, California (Figure 1). The POC refinery has historically processed crude oil to make several grades of petroleum, including diesel, gasoline, and jet fuel. Powerine expects to resume operations of the refinery some time in 1997.

Groundwater quality monitoring is being conducted semiannually at POC. This report presents: the results of the monitoring event conducted in December 1996; field and analytical data collected from POC and Walker Property wells; and a study of groundwater intrinsic bioremediation/natural attenuation indicators. POC has prepared this report to satisfy the requirements of the semiannual groundwater monitoring program as directed by the State of California, Los Angeles Region, Regional Water Quality Control Board (LARWQCB).

The semiannual groundwater monitoring well network at POC currently consists of three up-gradient wells (MW-104, MW-105 and MW-106), twenty refinery and down-gradient wells, and four wells (W-1, W-2, W-3, and W-4) located on the nearby Walker Property (Figure 1).

2.0 GROUNDWATER FLOW

Fluid levels and total well depths were measured in all POC monitoring wells as part of the semiannual monitoring event. Fluid levels were measured using an oil water interface meter to verify the presence/absence of light non aqueous phase liquid (LNAPL). Based on previous water quality data for the site, fluid levels were measured in order of increasing groundwater contamination to reduce the possibility of cross contamination. Recent and historical groundwater elevation data are summarized in Table A-1 in Appendix A. As indicated on Table A-1, LNAPL was detected in two monitoring wells during this sampling event; Well MW-504 (0.3 feet) and Well MW-600 (2.55 feet). No LNAPL was detected in Well MW-601, which contained 0.28 feet of product during the previous monitoring event.

A groundwater elevation contour map was constructed using the fluid-level data collected in December 1996 (Figure 2). Prior to constructing the groundwater elevation contour map, fluid levels in both monitoring wells containing LNAPL were corrected to account for the presence of LNAPL on the groundwater. An average specific gravity of 0.75 was used as the correction factor (Table A-1).

As shown on Figure 2, groundwater in the vicinity of POC generally flows toward the south. Based on the December 1996 fluid level data, the hydraulic gradient underlying the site is approximately 0.008 feet/foot.

3.0 GROUNDWATER QUALITY

Groundwater samples were collected from 27 monitoring wells located at POC and nearby properties from December 16 through December 19, 1996. Samples were collected for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl-tertiary butyl ether (MTBE) and chlorinated hydrocarbons by EPA Method 8260, and total petroleum hydrocarbons as gasoline (TPH-G) by Modified EPA Method 8015. Blakely Environmental Investigations, Inc. (Wrightwood, California) also collected samples in support of a natural attenuation study. Their report is presented in Appendix C. Groundwater monitoring procedures used and the results of the December 1996 sampling event are discussed below.

3.1 Water Quality Monitoring Procedures

Groundwater sample collection procedures and field quality control procedures consisted of the following:

- Monitoring wells were sampled in order of increasing contamination based on historical water quality data to reduce cross contamination.
- Each monitoring well was purged with a decontaminated PVC bailer until the field parameters (specific conductivity, pH, and temperature) stabilized. At least one casing volume of standing water was removed from the well prior to the first field parameter measurement.
- One field blank and one equipment blank were collected each day sampling activities were conducted. The field blank was made up of reagent free distilled water and the equipment blank was made up of the same distilled water rinsate used in the decontamination of the sampling bailer.
- After field parameters had stabilized (two consecutive measurements within 10%), a stainless steel sampling bailer was lowered into the monitoring well and the sample was collected.

Field parameters were measured on the groundwater sample from each monitoring well immediately following sample collection by field personnel. Laboratory analyses (EPA methods 8260 and Modified 8015) were performed by Core Laboratories of Anaheim, California.

3.2 Water Quality Results

The results of the water quality analyses for BTEX/MTBE, TPH-G, and chlorinated hydrocarbons are summarized in data tables presented in Appendix A. A benzene isoconcentration map is presented on Figure 3. An isoconcentration map for total petroleum hydrocarbons as gasoline is presented on Figure 4. An isoconcentration map for toluene was not produced due to a lack of detected toluene during this monitoring event. Laboratory

analytical reports and groundwater quality field records are presented in Appendix B. The types and levels of hydrocarbon constituents detected in the monitoring wells were similar to previous monitoring results.

3.3 Quality Control Results

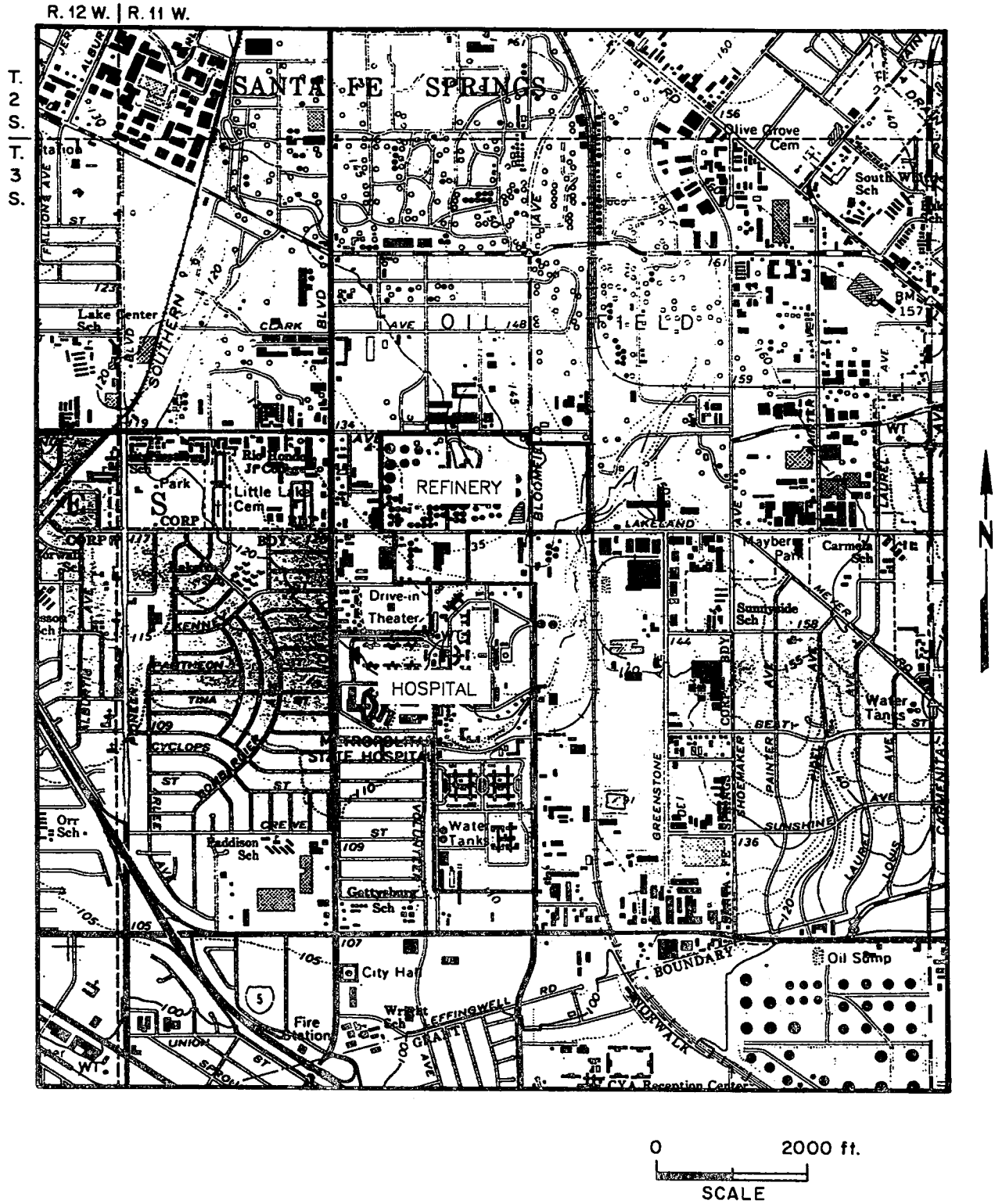
Quality control samples analyzed during the December 1996 sampling event included four field blanks and four equipment blanks. One field blank and one equipment blank were collected for each day samples were collected. Analytical results for the quality control samples are included in the laboratory analytical report presented in Appendix B. Generally, the analytical data from this monitoring event are consistent with analytical data from previous events.

Although there were anomalies in some of the laboratory QA/QC results, these anomalies did not affect the overall integrity of the reported analytical results from the groundwater monitoring wells. Groundwater samples from wells MW-600, MW-601, and W-2 were analyzed by the laboratory for EPA Method 8260 up to three days after the fourteen-day holding time had expired. The groundwater sample from Well W-2 was also analyzed for TPH-G two days after the fourteen day holding time had expired. Laboratory results for the groundwater samples from wells MW-600 and MW-601 were comparable with previous groundwater analytical results from these wells. POC does not have historical TPH-G or Method 8260 data from the Walker Property Well W-2, but will obtain groundwater analyses from this location during the next monitoring event. The surrogate recovery for the MTBE analyses on the groundwater sample from Well MW-101 was outside acceptable ranges (by one percentage point) due to matrix effects. However, MTBE was not detected in the groundwater sample from this well, a result which is consistent with historical groundwater analytical data.

4.0 FUTURE ACTIVITIES

The next semiannual groundwater monitoring event is scheduled for June, 1997.

FIGURES



0 2000 ft.
SCALE

FIGURE 1-1 :LOCATION MAP, POWERINE REFINERY, SANTA FE SPRINGS, CALIFORNIA

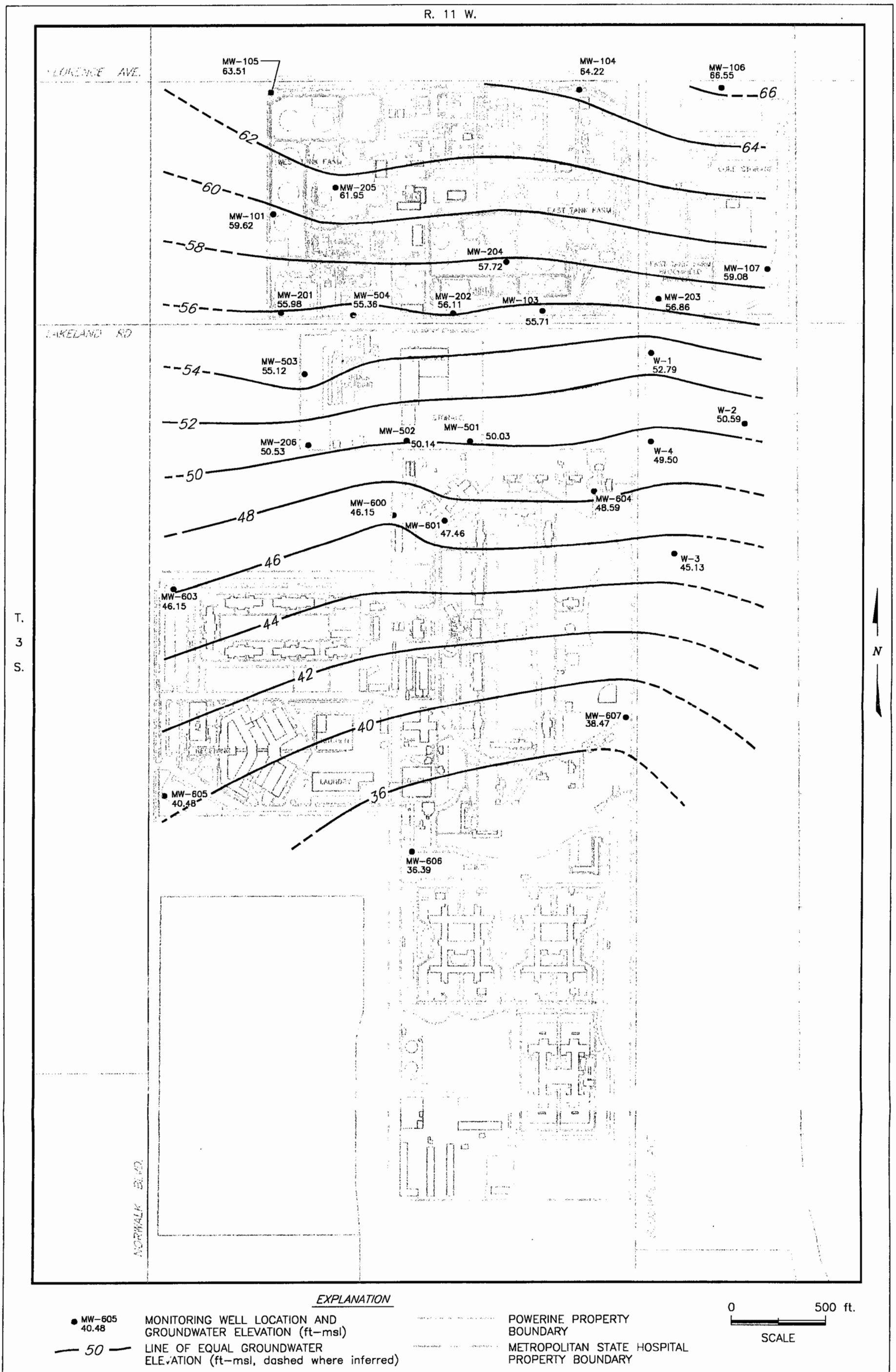


FIGURE 2 :GROUNDWATER ELEVATION CONTOUR MAP, POWERINE OIL COMPANY, SANTA FE SPRINGS, CALIFORNIA (December 1996)

PRSW129W

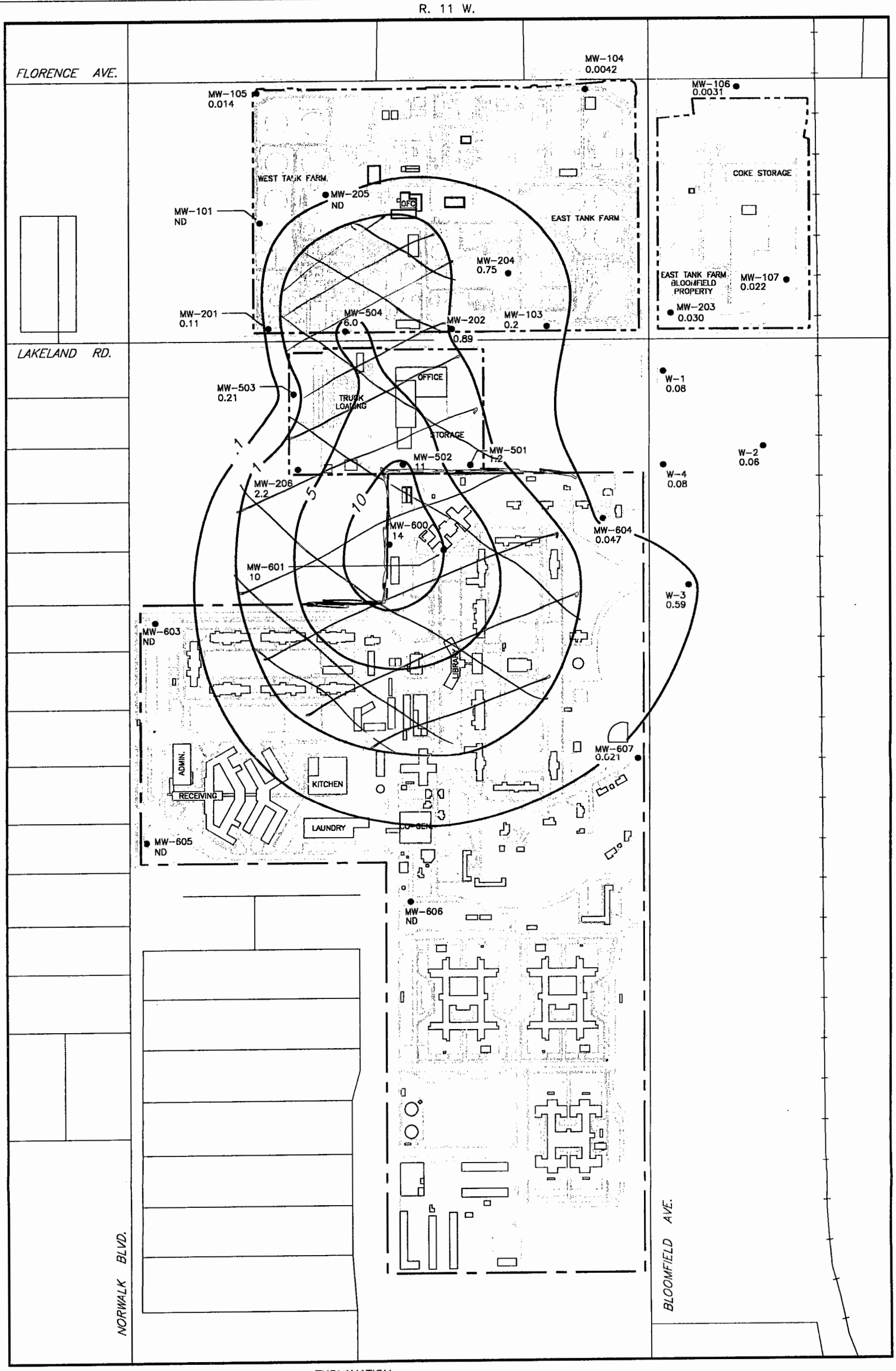


FIGURE 3 :ISOCONCENTRATION MAP, BENZENE, POWERINE OIL COMPANY, SANTA FE SPRINGS, CALIFORNIA (December 1996)

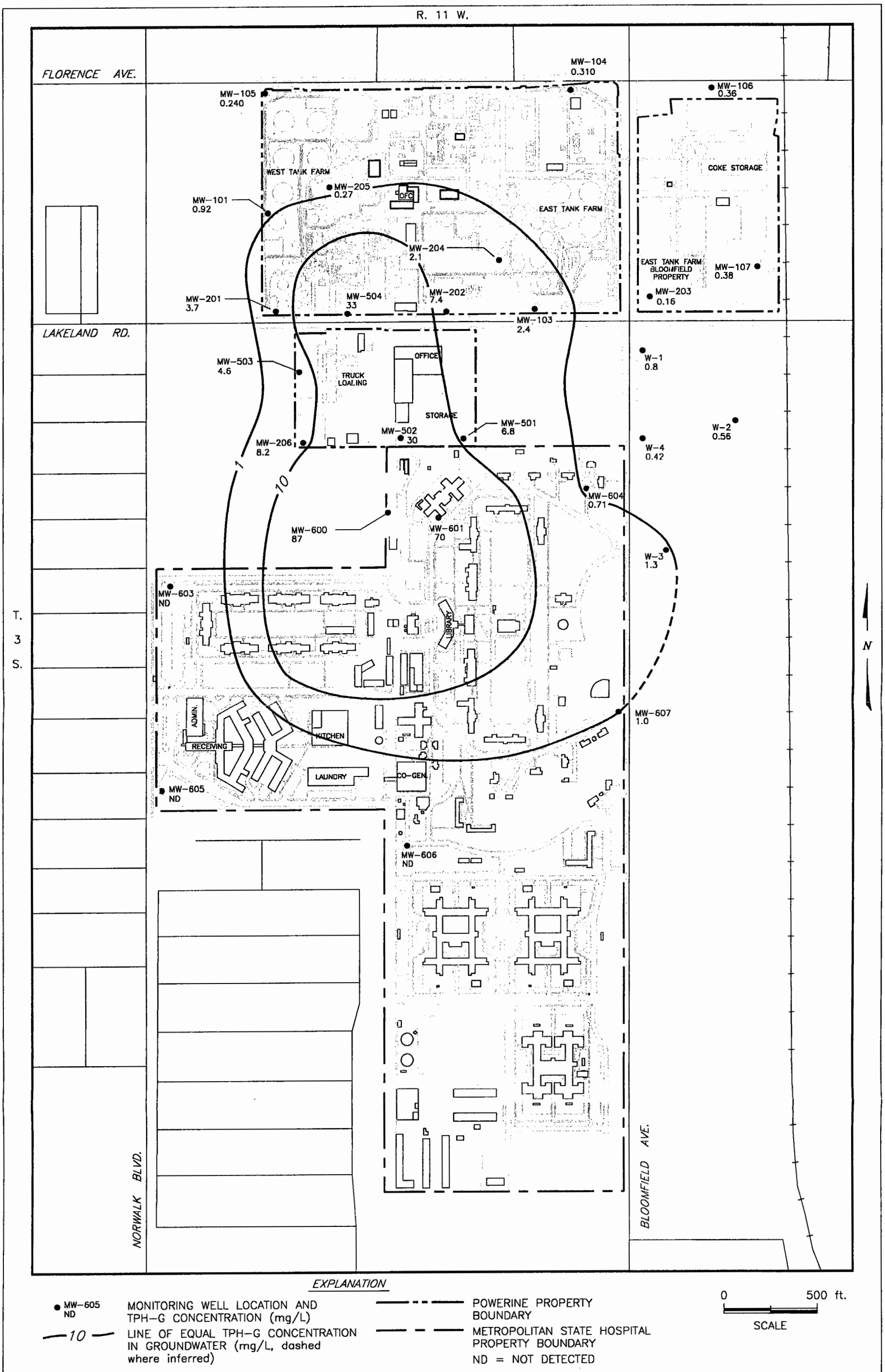


FIGURE 4 :ISOCONCENTRATION MAP, TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, POWERINE REFINERY AREA (December 1996)

APPENDIX A

GROUNDWATER ELEVATION AND GROUNDWATER QUALITY 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-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-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)
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-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-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-2. BETX and MTBE, Groundwater Data (EPA Methods 8020 and 8260), 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 8260), 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 8260), 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 8260), 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-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 8260), 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 8260), 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 8260), 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

LABORATORY ANALYTICAL DATA

CHAIN-OF-CUSTODY/SAMPLE ANALYSIS REQUEST FORMS

GROUNDWATER QUALITY FIELD RECORDS

Table A-3. Semi-Volatile and Chlorinated Organic Compounds (EPA Methods 8260 and 8010), Groundwater Data, Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Bromo-dichloro-methane (mg/L)	Bromo-chloro-methane (mg/L)	Chloroform (mg/L)	Cis-1,2-Dichloro ethene (mg/L)	1,2-Di-chloro-benzene (mg/L)	Dichloro-difluoro-methane (mg/L)	1,1- Dichloro-ethane (mg/L)	1,2- Dichloro-ethane (mg/L)	1,1- Dichloro-ethene (mg/L)	1,2-Dichloro propane (mg/L)	Isopropyl benzene (mg/L)	Methylene Chloride (mg/L)
MW-101	7/31/96	ND(0.0003)	--	ND(0.0003)	0.035	ND(0.0003)	ND(0.0003)	0.0086	0.0016	0.052	ND(0.0003)	--	ND(0.0003)
MW-101	12/17/96	ND(0.025)	ND(0.025)	ND(0.025)	0.09	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.14	ND(0.025)	ND(0.025)	ND(0.025)
MW-103	7/31/96	ND(0.0003)	--	ND(0.0003)	0.0007	0.0012	0.011	0.017	0.0017	ND(0.0003)	ND(0.0003)	--	ND(0.0003)
MW-103	12/17/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)
MW-104	7/31/96	ND(0.0003)	--	ND(0.0003)	0.0015	ND(0.0003)	ND(0.0003)	0.00058	0.00051	ND(0.0003)	ND(0.0003)	--	ND(0.0003)
MW-104	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.01	ND(0.001)
MW-105	7/31/96	ND(0.0003)	--	ND(0.0003)	0.0084	ND(0.0003)	ND(0.0003)	0.012	0.0014	0.02	ND(0.0003)	--	ND(0.0003)
MW-105	12/16/96	ND(0.005)	ND(0.005)	ND(0.005)	0.01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.05	ND(0.005)	ND(0.005)	ND(0.005)
MW-106	7/31/96	ND(0.0003)	--	ND(0.0003)	0.026	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.00054	ND(0.0003)	--	ND(0.0003)
MW-106	12/17/96	ND(0.002)	ND(0.002)	ND(0.002)	0.063	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0027	ND(0.002)
MW-107	7/31/96	ND(0.0003)	--	ND(0.0003)	0.031	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.00045	ND(0.0003)	--	ND(0.0003)
MW-107	12/17/96	ND(0.005)	ND(0.005)	ND(0.005)	0.08	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
MW-201	7/31/96	ND(0.0003)	--	ND(0.0003)	0.034	ND(0.0003)	ND(0.0003)	0.0094	0.0027	0.098	ND(0.0003)	--	ND(0.0003)
MW-201	12/17/96	ND(0.01)	ND(0.01)	ND(0.01)	0.089	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.17	ND(0.01)	0.021	ND(0.01)
MW-202	7/31/96	ND(0.0003)	--	ND(0.0003)	0.002	ND(0.0003)	0.0057	0.00054	0.00058	ND(0.0003)	0.0004	--	ND(0.0003)
MW-202	12/17/96	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.055	ND(0.05)
MW-203	7/31/96	ND(0.0003)	--	ND(0.0003)	0.022	ND(0.0003)	ND(0.0003)	0.00034	ND(0.0003)	ND(0.0003)	ND(0.0003)	--	ND(0.0003)
MW-203	12/17/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)
MW-204	8/1/96	ND(0.001)	--	ND(0.001)	0.0029	ND(0.001)	ND(0.001)	0.0033	0.0072	ND(0.001)	ND(0.001)	--	ND(0.001)
MW-204	12/17/96	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
MW-205	7/31/96	ND(0.0003)	--	ND(0.0003)	0.03	ND(0.0003)	ND(0.0003)	0.0028	ND(0.0003)	0.014	ND(0.0003)	--	ND(0.0003)
MW-205	12/16/96	ND(0.002)	ND(0.002)	ND(0.002)	0.035	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0071	ND(0.002)	ND(0.002)	ND(0.002)
MW-206	7/31/96	ND(0.0003)	--	ND(0.0003)	0.02	ND(0.0003)	ND(0.0003)	0.0088	0.0058	0.022	ND(0.0003)	--	ND(0.0003)
MW-206	12/18/96	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
MW-501	7/31/96	ND(0.0003)	--	ND(0.0003)	0.0072	ND(0.0003)	ND(0.0003)	0.00081	0.0013	ND(0.0003)	0.001	--	ND(0.0003)
MW-501	12/18/96	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.092	ND(0.05)
MW-502	7/31/96	ND(0.0003)	--	ND(0.0003)	0.0068	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.012	0.00076	ND(0.0003)	--	ND(0.0003)

Table A-3. Semi-Volatile and Chlorinated Organic Compounds (EPA Methods 8260 and 8010), Groundwater Data, Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	Naphthalene (mg/L)	p-Isopropyl toluene (mg/L)	sec-Butyl benzene (mg/L)	Tetrachloro-ethene (mg/L)	trans-1,2-Dichloro-ethene (mg/L)	Trichloro-ethene (mg/L)	1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Vinyl Chloride (mg/L)
MW-101	7/31/96	--	--	--	--	--	0.024	ND(0.0003)	0.041	--	--	ND(0.0003)
MW-101	12/17/96	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.24	ND(0.025)	ND(0.025)	ND(0.05)
MW-103	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	0.00038	--	--	ND(0.0003)
MW-103	12/17/96	ND(0.005)	0.0084	ND(0.005)	ND(0.005)	ND(0.005)	0.0089	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.054
MW-104	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	0.00054	--	--	ND(0.0003)
MW-104	12/16/96	ND(0.001)	0.0052	ND(0.001)	ND(0.001)	0.0029	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0032
MW-105	7/31/96	--	--	--	--	--	0.024	ND(0.0003)	0.033	--	--	ND(0.0003)
MW-105	12/16/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.08	ND(0.005)	0.11	ND(0.005)	ND(0.005)	ND(0.01)
MW-106	7/31/96	--	--	--	--	--	ND(0.0003)	0.017	0.0025	--	--	0.00098
MW-106	12/17/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.026	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)
MW-107	7/31/96	--	--	--	--	--	ND(0.0003)	0.019	0.00078	--	--	0.0011
MW-107	12/17/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)
MW-201	7/31/96	--	--	--	--	--	0.11	ND(0.0003)	0.12	--	--	ND(0.0003)
MW-201	12/17/96	ND(0.01)	0.021	ND(0.01)	ND(0.01)	ND(0.01)	0.21	ND(0.01)	0.21	0.14	0.028	ND(0.02)
MW-202	7/31/96	--	--	--	--	--	ND(0.0003)	0.00034	0.00037	--	--	ND(0.0003)
MW-202	12/17/96	ND(0.05)	0.1	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)
MW-203	7/31/96	--	--	--	--	--	ND(0.0003)	0.0017	0.00034	--	--	0.002
MW-203	12/17/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)
MW-204	8/1/96	--	--	--	--	--	ND(0.001)	ND(0.001)	0.0011	--	--	0.0052
MW-204	12/17/96	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)
MW-205	7/31/96	--	--	--	--	--	0.0035	ND(0.0003)	0.084	--	--	ND(0.0003)
MW-205	12/16/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.045	ND(0.002)	ND(0.002)	ND(0.004)
MW-206	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	0.0014	--	--	ND(0.0003)
MW-206	12/18/96	ND(0.1)	0.12	0.13	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	0.19	0.14	ND(0.2)
MW-501	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	0.00039	--	--	ND(0.0003)
MW-501	12/18/96	ND(0.05)	0.2	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.31	0.13	ND(0.1)
MW-502	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	0.00052	--	--	ND(0.0003)

Table A-3. Semi-Volatile and Chlorinated Organic Compounds (EPA Methods 8260 and 8010), Groundwater Data, Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	Bromo-dichloro-methane (mg/L)	Bromo-chloro-methane (mg/L)	Chloroform (mg/L)	Cis-1,2-Dichloro ethene (mg/L)	1,2-Di-chloro-benzene (mg/L)	Dichloro-difluoro-methane (mg/L)	1,1- Dichloro-ethane (mg/L)	1,2- Dichloro-ethane (mg/L)	1,1- Dichloro-ethene (mg/L)	1,2-Dichloro propane (mg/L)	Isopropyl benzene (mg/L)	Methylene Chloride (mg/L)
MW-502	12/18/96	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
MW-503	7/31/96	ND(0.0003)	--	ND(0.0003)	0.036	ND(0.0003)	ND(0.0003)	0.015	0.0031	0.15	ND(0.0003)	--	ND(0.0003)
MW-503	12/18/96	ND(0.01)	ND(0.01)	ND(0.01)	0.04	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.32	ND(0.01)	0.044	ND(0.01)
MW-504	8/1/96	ND(0.001)	--	ND(0.001)	0.02	ND(0.001)	ND(0.001)	0.004	0.02	ND(0.001)	ND(0.001)	--	ND(0.001)
MW-504	12/18/96	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
MW-600	8/1/96	ND(0.001)	--	ND(0.001)	0.0038	ND(0.001)	ND(0.001)	0.00036	0.0055	ND(0.001)	ND(0.001)	--	ND(0.001)
MW-600	12/19/96	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
MW-601	8/1/96	ND(0.001)	--	ND(0.001)	0.0044	ND(0.001)	ND(0.001)	0.0014	0.0029	ND(0.001)	0.00085	--	ND(0.001)
MW-601	12/19/96	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
MW-603	7/30/96	0.0026	--	ND(0.0003)	0.0064	ND(0.0003)	ND(0.0003)	0.0039	0.0095	0.03	ND(0.0003)	--	ND(0.0003)
MW-603	12/16/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	ND(0.005)	0.006
MW-604	7/30/96	ND(0.0003)	--	ND(0.0003)	0.00098	ND(0.0003)	ND(0.0003)	0.0017	0.0011	ND(0.0003)	ND(0.0003)	--	ND(0.0003)
MW-604	12/17/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0057	ND(0.002)
MW-605	7/31/96	ND(0.0003)	--	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.0012	ND(0.0003)	0.0043	ND(0.0003)	--	ND(0.0003)
MW-605	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0062	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-606	7/31/96	0.00036	--	0.00054	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.00096	ND(0.0003)	ND(0.0003)	--	ND(0.0003)
MW-606	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-607	7/31/96	ND(0.0003)	--	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.00068	ND(0.0003)	ND(0.0003)	ND(0.0003)	--	ND(0.0003)
MW-607	12/17/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	ND(0.001)
W-1	12/18/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)
W-2	12/18/96	ND(0.002)	ND(0.002)	ND(0.002)	0.013	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.018	ND(0.002)
W-3	12/18/96	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
W-4	12/18/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.019	ND(0.005)

Table A-3. Semi-Volatile and Chlorinated Organic Compounds (EPA Methods 8260 and 8010), Groundwater Data, Powerine Oil Company, Santa Fe Springs, California.

Sample ID	Date	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	Naphthalene (mg/L)	p-Isopropyl toluene (mg/L)	sec-Butyl benzene (mg/L)	Tetrachloro-ethene (mg/L)	trans-1,2-Dichloro-ethene (mg/L)	Trichloro-ethene (mg/L)	1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Vinyl Chloride (mg/L)
MW-502	12/18/96	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
MW-503	7/31/96	--	--	--	--	--	0.09	ND(0.0003)	0.13	--	--	ND(0.0003)
MW-503	12/18/96	ND(0.01)	0.048	0.028	ND(0.01)	0.012	0.014	ND(0.01)	0.27	0.063	0.023	ND(0.02)
MW-504	8/1/96	--	--	--	--	--	ND(0.001)	0.00046	0.00078	--	--	0.0011
MW-504	12/18/96	ND(0.25)	0.35	2.3	0.37	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	5	2.1	ND(0.5)
MW-600	8/1/96	--	--	--	--	--	ND(0.001)	ND(0.001)	0.00053	--	--	ND(0.001)
MW-600	12/19/96	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.8	0.58	ND(1)
MW-601	8/1/96	--	--	--	--	--	ND(0.001)	ND(0.001)	0.00051	--	--	0.0019
MW-601	12/19/96	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.1	ND(0.5)	ND(1)
MW-603	7/30/96	--	--	--	--	--	0.053	ND(0.0003)	0.056	--	--	0.00045
MW-603	12/16/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.037	ND(0.005)	0.056	ND(0.005)	ND(0.005)	ND(0.01)
MW-604	7/30/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	ND(0.0003)	--	--	ND(0.0003)
MW-604	12/17/96	ND(0.002)	0.0036	ND(0.002)	ND(0.002)	0.0022	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)
MW-605	7/31/96	--	--	--	--	--	0.013	ND(0.0003)	0.018	--	--	ND(0.0003)
MW-605	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.02	ND(0.001)	ND(0.001)	ND(0.002)
MW-606	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	ND(0.0003)	--	--	ND(0.0003)
MW-606	12/16/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)
MW-607	7/31/96	--	--	--	--	--	ND(0.0003)	ND(0.0003)	ND(0.0003)	--	--	0.0011
MW-607	12/17/96	0.0033	0.027	0.002	ND(0.001)	0.0036	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0017	ND(0.002)
W-1	12/18/96	ND(0.005)	0.031	0.01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)
W-2	12/18/96	ND(0.002)	0.012	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.011
W-3	12/18/96	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.05)
W-4	12/18/96	ND(0.005)	0.018	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)

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A N A L Y T I C A L R E P O R T

Job Number: 962927
Prepared For:

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

Date: 01/29/97

Signature

Date: 1/29/97

Name: Tim A. Scott

Core Laboratories
1250 Gene Autry Way
Anaheim, CA 92805

Title: LABORATORY MANAGER

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CASE NARRATIVE
CORE JOB# 962972

Sample 962972-0031, 0034, 0035 (~~MW-2~~ W-2, MW-600, MW-601)

The analyses reported for the above samples were performed after the holding time expired. These analyses were necessary due to the target analyte concentrations that were above the instrument calibration range. All origional analyses were performed within the method holding time.

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LABORATORY TESTS RESULTS
01/29/97

9 NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
IE SAMPLED.....: 17:10
RK DESCRIPTION...: MW202

LABORATORY I.D...: 962927-0001
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*50		EPA 8260	12/28/96	VZ
Benzene	890	50	ug/L	EPA 8260		
Bromobenzene	ND	50	ug/L	EPA 8260		
Bromochloromethane	ND	50	ug/L	EPA 8260		
Bromodichloromethane	ND	50	ug/L	EPA 8260		
Bromoform	ND	50	ug/L	EPA 8260		
Bromomethane	ND	100	ug/L	EPA 8260		
n-Butylbenzene	ND	50	ug/L	EPA 8260		
sec-Butylbenzene	ND	50	ug/L	EPA 8260		
tert-Butylbenzene	ND	50	ug/L	EPA 8260		
Carbon tetrachloride	ND	50	ug/L	EPA 8260		
Chlorobenzene	ND	50	ug/L	EPA 8260		
Chloroethane	ND	100	ug/L	EPA 8260		
Chloroform	ND	50	ug/L	EPA 8260		
Chloromethane	ND	100	ug/L	EPA 8260		
2-Chlorotoluene	ND	50	ug/L	EPA 8260		
4-Chlorotoluene	ND	50	ug/L	EPA 8260		
Dibromochloromethane	ND	50	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	50	ug/L	EPA 8260		
1,2-Dibromoethane	ND	50	ug/L	EPA 8260		
Dibromomethane	ND	50	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	50	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	50	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	50	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	50	ug/L	EPA 8260		
1,1-Dichloroethane	ND	50	ug/L	EPA 8260		
1,2-Dichloroethane	ND	50	ug/L	EPA 8260		
1,1-Dichloroethene	ND	50	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	50	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	50	ug/L	EPA 8260		
1,2-Dichloropropane	ND	50	ug/L	EPA 8260		
1,3-Dichloropropane	ND	50	ug/L	EPA 8260		
2,2-Dichloropropane	ND	50	ug/L	EPA 8260		
1,1-Dichloropropene	ND	50	ug/L	EPA 8260		
Ethylbenzene	ND	50	ug/L	EPA 8260		
Hexachlorobutadiene	ND	50	ug/L	EPA 8260		
Isopropylbenzene	55	50	ug/L	EPA 8260		
p-Isopropyltoluene	ND	50	ug/L	EPA 8260		
Methylene Chloride	ND	50	ug/L	EPA 8260		
Naphthalene	ND	50	ug/L	EPA 8260		
n-Propylbenzene	100	50	ug/L	EPA 8260		
Styrene	ND	50	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	50	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	50	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS

01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 17:10
WORK DESCRIPTION...: MW202

LABORATORY I.D...: 962927-0001
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	50	ug/L	EPA 8260		
Toluene	ND	50	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	50	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	50	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	50	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	50	ug/L	EPA 8260		
Trichloroethene	ND	50	ug/L	EPA 8260		
Trichlorofluoromethane	ND	50	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	50	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	50	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	50	ug/L	EPA 8260		
Vinyl chloride	ND	100	ug/L	EPA 8260		
o - Xylene	ND	50	ug/L	EPA 8260		
p/m - Xylenes	ND	100	ug/L	EPA 8260		
Iodomethane	ND	250	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	50	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	50	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	93	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*5		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	7400	500	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*10		EPA 8260	12/27/96	VZ
Methyl tert-butyl ether	ND	20	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	97	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	91	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 16:40
MARK DESCRIPTION...: MW-204

LABORATORY I.D...: 962927-0002
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*50		EPA 8260	12/28/96	VZ
Benzene	750	50	ug/L	EPA 8260		
Bromobenzene	ND	50	ug/L	EPA 8260		
Bromochloromethane	ND	50	ug/L	EPA 8260		
Bromodichloromethane	ND	50	ug/L	EPA 8260		
Bromoform	ND	50	ug/L	EPA 8260		
Bromomethane	ND	100	ug/L	EPA 8260		
n-Butylbenzene	ND	50	ug/L	EPA 8260		
sec-Butylbenzene	ND	50	ug/L	EPA 8260		
tert-Butylbenzene	ND	50	ug/L	EPA 8260		
Carbon tetrachloride	ND	50	ug/L	EPA 8260		
Chlorobenzene	ND	50	ug/L	EPA 8260		
Chloroethane	ND	100	ug/L	EPA 8260		
Chloroform	ND	50	ug/L	EPA 8260		
Chloromethane	ND	100	ug/L	EPA 8260		
2-Chlorotoluene	ND	50	ug/L	EPA 8260		
4-Chlorotoluene	ND	50	ug/L	EPA 8260		
Dibromochloromethane	ND	50	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	50	ug/L	EPA 8260		
1,2-Dibromoethane	ND	50	ug/L	EPA 8260		
Dibromomethane	ND	50	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	50	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	50	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	50	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	50	ug/L	EPA 8260		
1,1-Dichloroethane	ND	50	ug/L	EPA 8260		
1,2-Dichloroethane	ND	50	ug/L	EPA 8260		
1,1-Dichloroethene	ND	50	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	50	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	50	ug/L	EPA 8260		
1,2-Dichloropropane	ND	50	ug/L	EPA 8260		
1,3-Dichloropropane	ND	50	ug/L	EPA 8260		
2,2-Dichloropropane	ND	50	ug/L	EPA 8260		
1,1-Dichloropropene	ND	50	ug/L	EPA 8260		
Ethylbenzene	ND	50	ug/L	EPA 8260		
Hexachlorobutadiene	ND	50	ug/L	EPA 8260		
Isopropylbenzene	ND	50	ug/L	EPA 8260		
p-Isopropyltoluene	ND	50	ug/L	EPA 8260		
Methylene Chloride	ND	50	ug/L	EPA 8260		
Naphthalene	ND	50	ug/L	EPA 8260		
n-Propylbenzene	ND	50	ug/L	EPA 8260		
Styrene	ND	50	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	50	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	50	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 16:40
WORK DESCRIPTION...: MW-204

LABORATORY I.D...: 962927-0002
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	50	ug/L	EPA 8260		
Toluene	58	50	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	50	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	50	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	50	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	50	ug/L	EPA 8260		
Trichloroethene	ND	50	ug/L	EPA 8260		
Trichlorofluoromethane	ND	50	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	50	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	50	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	50	ug/L	EPA 8260		
Vinyl chloride	ND	100	ug/L	EPA 8260		
o - Xylene	ND	50	ug/L	EPA 8260		
p/m - Xylenes	ND	100	ug/L	EPA 8260		
Iodomethane	ND	250	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	50	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	50	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	86	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	90	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/26/96	DF
TVPH - Gasoline	2100	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*10		EPA 8260	12/27/96	VZ
Methyl tert-butyl ether	ND	20	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	99	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	87	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	91	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
ME SAMPLED.....: 13:50
RK DESCRIPTION...: MW-101

LABORATORY I.D...: 962927-0003
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*25		EPA 8260	12/28/96	VZ
Benzene	ND	25	ug/L	EPA 8260		
Bromobenzene	ND	25	ug/L	EPA 8260		
Bromochloromethane	ND	25	ug/L	EPA 8260		
Bromodichloromethane	ND	25	ug/L	EPA 8260		
Bromoform	ND	25	ug/L	EPA 8260		
Bromomethane	ND	50	ug/L	EPA 8260		
n-Butylbenzene	ND	25	ug/L	EPA 8260		
sec-Butylbenzene	ND	25	ug/L	EPA 8260		
tert-Butylbenzene	ND	25	ug/L	EPA 8260		
Carbon tetrachloride	ND	25	ug/L	EPA 8260		
Chlorobenzene	ND	25	ug/L	EPA 8260		
Chloroethane	ND	50	ug/L	EPA 8260		
Chloroform	ND	25	ug/L	EPA 8260		
Chloromethane	ND	50	ug/L	EPA 8260		
2-Chlorotoluene	ND	25	ug/L	EPA 8260		
4-Chlorotoluene	ND	25	ug/L	EPA 8260		
Dibromochloromethane	ND	25	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	25	ug/L	EPA 8260		
1,2-Dibromoethane	ND	25	ug/L	EPA 8260		
Dibromomethane	ND	25	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	25	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	25	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	25	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	25	ug/L	EPA 8260		
1,1-Dichloroethane	ND	25	ug/L	EPA 8260		
1,2-Dichloroethane	ND	25	ug/L	EPA 8260		
1,1-Dichloroethene	140	25	ug/L	EPA 8260		
cis-1,2-Dichloroethene	90	25	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	25	ug/L	EPA 8260		
1,2-Dichloropropane	ND	25	ug/L	EPA 8260		
1,3-Dichloropropane	ND	25	ug/L	EPA 8260		
2,2-Dichloropropane	ND	25	ug/L	EPA 8260		
1,1-Dichloropropene	ND	25	ug/L	EPA 8260		
Ethylbenzene	ND	25	ug/L	EPA 8260		
Hexachlorobutadiene	ND	25	ug/L	EPA 8260		
Isopropylbenzene	ND	25	ug/L	EPA 8260		
p-Isopropyltoluene	ND	25	ug/L	EPA 8260		
Methylene Chloride	ND	25	ug/L	EPA 8260		
Naphthalene	ND	25	ug/L	EPA 8260		
n-Propylbenzene	ND	25	ug/L	EPA 8260		
Styrene	ND	25	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	25	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	25	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS

01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 13:50
WORK DESCRIPTION...: MW-101

LABORATORY I.D...: 962927-0003
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	57	25	ug/L	EPA 8260		
Toluene	ND	25	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	25	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	25	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	25	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	25	ug/L	EPA 8260		
Trichloroethene	240	25	ug/L	EPA 8260		
Trichlorofluoromethane	ND	25	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	25	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	25	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	25	ug/L	EPA 8260		
Vinyl chloride	ND	50	ug/L	EPA 8260		
o - Xylene	ND	25	ug/L	EPA 8260		
p/m - Xylenes	ND	50	ug/L	EPA 8260		
Iodomethane	ND	125	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	25	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	25	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	97	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	84	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/26/96	DF
TVPH - Gasoline	920 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/27/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	85 (a)	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	111	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

J NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
E SAMPLED.....: 15:15
K DESCRIPTION...: MW-103

LABORATORY I.D...: 962927-0004
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*5		EPA 8260	12/27/96	VZ
Benzene	200	5	ug/L	EPA 8260		
Bromobenzene	ND	5	ug/L	EPA 8260		
Bromochloromethane	ND	5	ug/L	EPA 8260		
Bromodichloromethane	ND	5	ug/L	EPA 8260		
Bromoform	ND	5	ug/L	EPA 8260		
Bromomethane	ND	10	ug/L	EPA 8260		
n-Butylbenzene	ND	5	ug/L	EPA 8260		
sec-Butylbenzene	ND	5	ug/L	EPA 8260		
tert-Butylbenzene	ND	5	ug/L	EPA 8260		
Carbon tetrachloride	ND	5	ug/L	EPA 8260		
Chlorobenzene	ND	5	ug/L	EPA 8260		
Chloroethane	ND	10	ug/L	EPA 8260		
Chloroform	ND	5	ug/L	EPA 8260		
Chloromethane	ND	10	ug/L	EPA 8260		
2-Chlorotoluene	ND	5	ug/L	EPA 8260		
4-Chlorotoluene	ND	5	ug/L	EPA 8260		
Dibromochloromethane	ND	5	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	5	ug/L	EPA 8260		
1,2-Dibromoethane	ND	5	ug/L	EPA 8260		
Dibromomethane	ND	5	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	5	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethane	27	5	ug/L	EPA 8260		
1,2-Dichloroethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethene	ND	5	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
1,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,3-Dichloropropane	ND	5	ug/L	EPA 8260		
2,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,1-Dichloropropene	ND	5	ug/L	EPA 8260		
Ethylbenzene	ND	5	ug/L	EPA 8260		
Hexachlorobutadiene	ND	5	ug/L	EPA 8260		
Isopropylbenzene	6.0	5	ug/L	EPA 8260		
p-Isopropyltoluene	ND	5	ug/L	EPA 8260		
Methylene Chloride	ND	5	ug/L	EPA 8260		
Naphthalene	ND	5	ug/L	EPA 8260		
n-Propylbenzene	8.4	5	ug/L	EPA 8260		
Styrene	ND	5	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: MW-103

LABORATORY I.D...: 962927-0004
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	8.9	5	ug/L	EPA 8260		
Toluene	ND	5	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	5	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	5	ug/L	EPA 8260		
Trichloroethene	ND	5	ug/L	EPA 8260		
Trichlorofluoromethane	ND	5	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	5	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	5	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	5	ug/L	EPA 8260		
Vinyl chloride	54	10	ug/L	EPA 8260		
o - Xylene	ND	5	ug/L	EPA 8260		
p/m - Xylenes	ND	10	ug/L	EPA 8260		
Iodomethane	ND	25	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	96	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	100	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/26/96	DF
TVPH - Gasoline	2400 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/27/96	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	96	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	100	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

3 NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
ME SAMPLED.....: 16:10
RK DESCRIPTION...: MW-201

LABORATORY I.D...: 962927-0005
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*10		EPA 8260	12/28/96	VZ
Benzene	110	10	ug/L	EPA 8260		
Bromobenzene	ND	10	ug/L	EPA 8260		
Bromochloromethane	ND	10	ug/L	EPA 8260		
Bromodichloromethane	ND	10	ug/L	EPA 8260		
Bromoform	ND	10	ug/L	EPA 8260		
Bromomethane	ND	20	ug/L	EPA 8260		
n-Butylbenzene	ND	10	ug/L	EPA 8260		
sec-Butylbenzene	ND	10	ug/L	EPA 8260		
tert-Butylbenzene	ND	10	ug/L	EPA 8260		
Carbon tetrachloride	ND	10	ug/L	EPA 8260		
Chlorobenzene	ND	10	ug/L	EPA 8260		
Chloroethane	ND	20	ug/L	EPA 8260		
Chloroform	ND	10	ug/L	EPA 8260		
Chloromethane	ND	20	ug/L	EPA 8260		
2-Chlorotoluene	ND	10	ug/L	EPA 8260		
4-Chlorotoluene	ND	10	ug/L	EPA 8260		
Dibromochloromethane	ND	10	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260		
1,2-Dibromoethane	ND	10	ug/L	EPA 8260		
Dibromomethane	ND	10	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260		
1,1-Dichloroethane	ND	10	ug/L	EPA 8260		
1,2-Dichloroethane	ND	10	ug/L	EPA 8260		
1,1-Dichloroethene	170	10	ug/L	EPA 8260		
cis-1,2-Dichloroethene	89	10	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	10	ug/L	EPA 8260		
1,2-Dichloropropane	ND	10	ug/L	EPA 8260		
1,3-Dichloropropane	ND	10	ug/L	EPA 8260		
2,2-Dichloropropane	ND	10	ug/L	EPA 8260		
1,1-Dichloropropene	ND	10	ug/L	EPA 8260		
Ethylbenzene	96	10	ug/L	EPA 8260		
Hexachlorobutadiene	ND	10	ug/L	EPA 8260		
Isopropylbenzene	21	10	ug/L	EPA 8260		
p-Isopropyltoluene	ND	10	ug/L	EPA 8260		
Methylene Chloride	ND	10	ug/L	EPA 8260		
Naphthalene	ND	10	ug/L	EPA 8260		
n-Propylbenzene	21	10	ug/L	EPA 8260		
Styrene	ND	10	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	10	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	10	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 16:10
WORK DESCRIPTION...: MW-201

LABORATORY I.D...: 962927-0005
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	210	10	ug/L	EPA 8260		
Toluene	12	10	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	10	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	10	ug/L	EPA 8260		
Trichloroethene	210	10	ug/L	EPA 8260		
Trichlorofluoromethane	ND	10	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	140	10	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	28	10	ug/L	EPA 8260		
Vinyl chloride	ND	20	ug/L	EPA 8260		
o - Xylene	25	10	ug/L	EPA 8260		
p/m - Xylenes	96	20	ug/L	EPA 8260		
Iodomethane	ND	50	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	10	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	107	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	97	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	93	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/26/96	DF
TVPH - Gasoline	3700	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/27/96	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	97	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	102	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
ME SAMPLED.....: 11:00
RK DESCRIPTION...: MW-106

LABORATORY I.D...: 962927-0006
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*2		EPA 8260	12/28/96	VZ
Benzene	3.1	2	ug/L	EPA 8260		
Bromobenzene	ND	2	ug/L	EPA 8260		
Bromochloromethane	ND	2	ug/L	EPA 8260		
Bromodichloromethane	ND	2	ug/L	EPA 8260		
Bromoform	ND	2	ug/L	EPA 8260		
Bromomethane	ND	4	ug/L	EPA 8260		
n-Butylbenzene	ND	2	ug/L	EPA 8260		
sec-Butylbenzene	ND	2	ug/L	EPA 8260		
tert-Butylbenzene	ND	2	ug/L	EPA 8260		
Carbon tetrachloride	ND	2	ug/L	EPA 8260		
Chlorobenzene	ND	2	ug/L	EPA 8260		
Chloroethane	ND	4	ug/L	EPA 8260		
Chloroform	ND	2	ug/L	EPA 8260		
Chloromethane	ND	4	ug/L	EPA 8260		
2-Chlorotoluene	ND	2	ug/L	EPA 8260		
4-Chlorotoluene	ND	2	ug/L	EPA 8260		
Dibromochloromethane	ND	2	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	2	ug/L	EPA 8260		
1,2-Dibromoethane	ND	2	ug/L	EPA 8260		
Dibromomethane	ND	2	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	2	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethane	ND	2	ug/L	EPA 8260		
1,2-Dichloroethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethene	ND	2	ug/L	EPA 8260		
cis-1,2-Dichloroethene	63	2	ug/L	EPA 8260		
trans-1,2-Dichloroethene	26	2	ug/L	EPA 8260		
1,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,3-Dichloropropane	ND	2	ug/L	EPA 8260		
2,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,1-Dichloropropene	ND	2	ug/L	EPA 8260		
Ethylbenzene	ND	2	ug/L	EPA 8260		
Hexachlorobutadiene	ND	2	ug/L	EPA 8260		
Isopropylbenzene	2.7	2	ug/L	EPA 8260		
p-Isopropyltoluene	ND	2	ug/L	EPA 8260		
Methylene Chloride	ND	2	ug/L	EPA 8260		
Naphthalene	ND	2	ug/L	EPA 8260		
n-Propylbenzene	ND	2	ug/L	EPA 8260		
Styrene	ND	2	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 11:00
WORK DESCRIPTION...: MW-106

LABORATORY I.D...: 962927-0006
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	2	ug/L	EPA 8260		
Toluene	ND	2	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	2	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	2	ug/L	EPA 8260		
Trichloroethene	ND	2	ug/L	EPA 8260		
Trichlorofluoromethane	ND	2	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	2	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	2	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	2	ug/L	EPA 8260		
Vinyl chloride	ND	4	ug/L	EPA 8260		
o - Xylene	ND	2	ug/L	EPA 8260		
p/m - Xylenes	ND	4	ug/L	EPA 8260		
Iodomethane	ND	10	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	99	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	90	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/26/96	DF
TVPH - Gasoline	360	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	92	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	87	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	97	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
ME SAMPLED.....: 09:25
RK DESCRIPTION...: MW-604

LABORATORY I.D...: 962927-0007
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

EST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*2		EPA 8260	12/28/96	VZ
Benzene	47	2	ug/L	EPA 8260		
Bromobenzene	ND	2	ug/L	EPA 8260		
Bromochloromethane	ND	2	ug/L	EPA 8260		
Bromodichloromethane	ND	2	ug/L	EPA 8260		
Bromoform	ND	2	ug/L	EPA 8260		
Bromomethane	ND	4	ug/L	EPA 8260		
n-Butylbenzene	ND	2	ug/L	EPA 8260		
sec-Butylbenzene	2.2	2	ug/L	EPA 8260		
tert-Butylbenzene	ND	2	ug/L	EPA 8260		
Carbon tetrachloride	ND	2	ug/L	EPA 8260		
Chlorobenzene	ND	2	ug/L	EPA 8260		
Chloroethane	ND	4	ug/L	EPA 8260		
Chloroform	ND	2	ug/L	EPA 8260		
Chloromethane	ND	4	ug/L	EPA 8260		
2-Chlorotoluene	ND	2	ug/L	EPA 8260		
4-Chlorotoluene	ND	2	ug/L	EPA 8260		
Dibromochloromethane	ND	2	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	2	ug/L	EPA 8260		
1,2-Dibromoethane	ND	2	ug/L	EPA 8260		
Dibromomethane	ND	2	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	2	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethane	ND	2	ug/L	EPA 8260		
1,2-Dichloroethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethene	ND	2	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	2	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	2	ug/L	EPA 8260		
1,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,3-Dichloropropane	ND	2	ug/L	EPA 8260		
2,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,1-Dichloropropene	ND	2	ug/L	EPA 8260		
Ethylbenzene	ND	2	ug/L	EPA 8260		
Hexachlorobutadiene	ND	2	ug/L	EPA 8260		
Isopropylbenzene	5.7	2	ug/L	EPA 8260		
p-Isopropyltoluene	ND	2	ug/L	EPA 8260		
Methylene Chloride	ND	2	ug/L	EPA 8260		
Naphthalene	ND	2	ug/L	EPA 8260		
n-Propylbenzene	3.6	2	ug/L	EPA 8260		
Styrene	ND	2	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 09:25
WORK DESCRIPTION...: MW-604

LABORATORY I.D...: 962927-0007
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	2	ug/L	EPA 8260		
Toluene	ND	2	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	2	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	2	ug/L	EPA 8260		
Trichloroethene	ND	2	ug/L	EPA 8260		
Trichlorofluoromethane	ND	2	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	2	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	2	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	2	ug/L	EPA 8260		
Vinyl chloride	ND	4	ug/L	EPA 8260		
o - Xylene	ND	2	ug/L	EPA 8260		
p/m - Xylenes	ND	4	ug/L	EPA 8260		
Iodomethane	ND	10	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	105	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	710 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	92	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	94	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	93	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
E SAMPLED.....: 12/17/96
IE SAMPLED.....: 10:00
K DESCRIPTION...: MW-607

LABORATORY I.D...: 962927-0008
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*1		EPA 8260	12/28/96	VZ
Benzene	21	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	3.3	1	ug/L	EPA 8260		
sec-Butylbenzene	3.6	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	18	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	2.0	1	ug/L	EPA 8260		
n-Propylbenzene	27	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 10:00
WORK DESCRIPTION...: MW-607

LABORATORY I.D...: 962927-0008
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	1.7	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	93	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	97	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	86	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	1000 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	93	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	97	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	86	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 07:45
WORK DESCRIPTION...: MW-107

LABORATORY I.D...: 962927-0009
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*5		EPA 8260	12/29/96	VZ
Benzene	22	5	ug/L	EPA 8260		
Bromobenzene	ND	5	ug/L	EPA 8260		
Bromochloromethane	ND	5	ug/L	EPA 8260		
Bromodichloromethane	ND	5	ug/L	EPA 8260		
Bromoform	ND	5	ug/L	EPA 8260		
Bromomethane	ND	10	ug/L	EPA 8260		
n-Butylbenzene	ND	5	ug/L	EPA 8260		
sec-Butylbenzene	ND	5	ug/L	EPA 8260		
tert-Butylbenzene	ND	5	ug/L	EPA 8260		
Carbon tetrachloride	ND	5	ug/L	EPA 8260		
Chlorobenzene	ND	5	ug/L	EPA 8260		
Chloroethane	ND	10	ug/L	EPA 8260		
Chloroform	ND	5	ug/L	EPA 8260		
Chloromethane	ND	10	ug/L	EPA 8260		
2-Chlorotoluene	ND	5	ug/L	EPA 8260		
4-Chlorotoluene	ND	5	ug/L	EPA 8260		
Dibromochloromethane	ND	5	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	5	ug/L	EPA 8260		
1,2-Dibromoethane	ND	5	ug/L	EPA 8260		
Dibromomethane	ND	5	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	5	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethane	ND	5	ug/L	EPA 8260		
1,2-Dichloroethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethene	ND	5	ug/L	EPA 8260		
cis-1,2-Dichloroethene	80	5	ug/L	EPA 8260		
trans-1,2-Dichloroethene	33	5	ug/L	EPA 8260		
1,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,3-Dichloropropane	ND	5	ug/L	EPA 8260		
2,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,1-Dichloropropene	ND	5	ug/L	EPA 8260		
Ethylbenzene	ND	5	ug/L	EPA 8260		
Hexachlorobutadiene	ND	5	ug/L	EPA 8260		
Isopropylbenzene	ND	5	ug/L	EPA 8260		
p-Isopropyltoluene	ND	5	ug/L	EPA 8260		
Methylene Chloride	ND	5	ug/L	EPA 8260		
Naphthalene	ND	5	ug/L	EPA 8260		
n-Propylbenzene	ND	5	ug/L	EPA 8260		
Styrene	ND	5	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 07:45
WORK DESCRIPTION...: MW-107

LABORATORY I.D...: 962927-0009
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	5	ug/L	EPA 8260		
Toluene	ND	5	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	5	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	5	ug/L	EPA 8260		
Trichloroethene	ND	5	ug/L	EPA 8260		
Trichlorofluoromethane	ND	5	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	5	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	5	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	5	ug/L	EPA 8260		
Vinyl chloride	ND	10	ug/L	EPA 8260		
o - Xylene	ND	5	ug/L	EPA 8260		
p/m - Xylenes	ND	10	ug/L	EPA 8260		
Iodomethane	ND	25	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	104	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	95	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	380 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	87	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	100	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	90	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
ME SAMPLED.....: 08:10
RK DESCRIPTION...: MW-203

LABORATORY I.D...: 962927-0010
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*1		EPA 8260	12/28/96	VZ
Benzene	30	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	1.2	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 08:10
WORK DESCRIPTION...: MW-203

LABORATORY I.D...: 962927-0010
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	94	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	98	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	160	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	94	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	98	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/16/96
ME SAMPLED.....: 17:00
RK DESCRIPTION...: MW-205

LABORATORY I.D...: 962927-0011
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*2		EPA 8260	12/29/96	VZ
Benzene	ND	2	ug/L	EPA 8260		
Bromobenzene	ND	2	ug/L	EPA 8260		
Bromochloromethane	ND	2	ug/L	EPA 8260		
Bromodichloromethane	ND	2	ug/L	EPA 8260		
Bromoform	ND	2	ug/L	EPA 8260		
Bromomethane	ND	4	ug/L	EPA 8260		
n-Butylbenzene	ND	2	ug/L	EPA 8260		
sec-Butylbenzene	ND	2	ug/L	EPA 8260		
tert-Butylbenzene	ND	2	ug/L	EPA 8260		
Carbon tetrachloride	ND	2	ug/L	EPA 8260		
Chlorobenzene	ND	2	ug/L	EPA 8260		
Chloroethane	ND	4	ug/L	EPA 8260		
Chloroform	ND	2	ug/L	EPA 8260		
Chloromethane	ND	4	ug/L	EPA 8260		
2-Chlorotoluene	ND	2	ug/L	EPA 8260		
4-Chlorotoluene	ND	2	ug/L	EPA 8260		
Dibromochloromethane	ND	2	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	2	ug/L	EPA 8260		
1,2-Dibromoethane	ND	2	ug/L	EPA 8260		
Dibromomethane	ND	2	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	2	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethane	ND	2	ug/L	EPA 8260		
1,2-Dichloroethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethene	7.1	2	ug/L	EPA 8260		
cis-1,2-Dichloroethene	35	2	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	2	ug/L	EPA 8260		
1,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,3-Dichloropropane	ND	2	ug/L	EPA 8260		
2,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,1-Dichloropropene	ND	2	ug/L	EPA 8260		
Ethylbenzene	ND	2	ug/L	EPA 8260		
Hexachlorobutadiene	ND	2	ug/L	EPA 8260		
Isopropylbenzene	ND	2	ug/L	EPA 8260		
p-Isopropyltoluene	ND	2	ug/L	EPA 8260		
Methylene Chloride	ND	2	ug/L	EPA 8260		
Naphthalene	ND	2	ug/L	EPA 8260		
n-Propylbenzene	ND	2	ug/L	EPA 8260		
Styrene	ND	2	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 17:00
WORK DESCRIPTION...: MW-205

LABORATORY I.D...: 962927-0011
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	2	ug/L	EPA 8260		
Toluene	ND	2	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	2	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	2	ug/L	EPA 8260		
Trichloroethene	45	2	ug/L	EPA 8260		
Trichlorofluoromethane	ND	2	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	2	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	2	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	2	ug/L	EPA 8260		
Vinyl chloride	ND	4	ug/L	EPA 8260		
o - Xylene	ND	2	ug/L	EPA 8260		
p/m - Xylenes	ND	4	ug/L	EPA 8260		
Iodomethane	ND	10	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	87	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	90	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	270	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	95	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	98	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
E SAMPLED.....: 12/16/96
E SAMPLED.....: 16:00
K DESCRIPTION...: MW-603

LABORATORY I.D...: 962927-0012
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*5		EPA 8260	12/29/96	VZ
Benzene	ND	5	ug/L	EPA 8260		
Bromobenzene	ND	5	ug/L	EPA 8260		
Bromochloromethane	ND	5	ug/L	EPA 8260		
Bromodichloromethane	ND	5	ug/L	EPA 8260		
Bromoform	ND	5	ug/L	EPA 8260		
Bromomethane	ND	10	ug/L	EPA 8260		
n-Butylbenzene	ND	5	ug/L	EPA 8260		
sec-Butylbenzene	ND	5	ug/L	EPA 8260		
tert-Butylbenzene	ND	5	ug/L	EPA 8260		
Carbon tetrachloride	ND	5	ug/L	EPA 8260		
Chlorobenzene	ND	5	ug/L	EPA 8260		
Chloroethane	ND	10	ug/L	EPA 8260		
Chloroform	ND	5	ug/L	EPA 8260		
Chloromethane	ND	10	ug/L	EPA 8260		
2-Chlorotoluene	ND	5	ug/L	EPA 8260		
4-Chlorotoluene	ND	5	ug/L	EPA 8260		
Dibromochloromethane	ND	5	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	5	ug/L	EPA 8260		
1,2-Dibromoethane	ND	5	ug/L	EPA 8260		
Dibromomethane	ND	5	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	5	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethane	ND	5	ug/L	EPA 8260		
1,2-Dichloroethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethene	34	5	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
1,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,3-Dichloropropane	ND	5	ug/L	EPA 8260		
2,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,1-Dichloropropene	ND	5	ug/L	EPA 8260		
Ethylbenzene	ND	5	ug/L	EPA 8260		
Hexachlorobutadiene	ND	5	ug/L	EPA 8260		
Isopropylbenzene	ND	5	ug/L	EPA 8260		
p-Isopropyltoluene	ND	5	ug/L	EPA 8260		
Methylene Chloride	6.0	5	ug/L	EPA 8260		
Naphthalene	ND	5	ug/L	EPA 8260		
n-Propylbenzene	ND	5	ug/L	EPA 8260		
Styrene	ND	5	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 16:00
WORK DESCRIPTION...: MW-603

LABORATORY I.D...: 962927-0012
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	37	5	ug/L	EPA 8260		
Toluene	ND	5	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	5	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	5	ug/L	EPA 8260		
Trichloroethene	56	5	ug/L	EPA 8260		
Trichlorofluoromethane	ND	5	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	5	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	5	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	5	ug/L	EPA 8260		
Vinyl chloride	ND	10	ug/L	EPA 8260		
o - Xylene	ND	5	ug/L	EPA 8260		
p/m - Xylenes	ND	10	ug/L	EPA 8260		
Iodomethane	ND	25	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	104	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	90	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	89	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/28/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	101	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	87	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
E SAMPLED.....: 12/16/96
E SAMPLED.....: 12:35
K DESCRIPTION...: MW-104

LABORATORY I.D...: 962927-0013
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
atile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	4.2	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	2.9	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	2.7	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	10	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	5.2	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 12:35
WORK DESCRIPTION...: MW-104

LABORATORY I.D...: 962927-0013
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	3.2	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	101	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		
VPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	310 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	101	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
E SAMPLED.....: 12/16/96
E SAMPLED.....: 15:10
K DESCRIPTION...: MW-606

LABORATORY I.D...: 962927-0014
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
atile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 15:10
WORK DESCRIPTION...: MW-606

LABORATORY I.D...: 962927-0014
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
E SAMPLED.....: 12/16/96
E SAMPLED.....: 14:32
K DESCRIPTION...: MW-605

LABORATORY I.D...: 962927-0015
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
atile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	6.2	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 14:32
WORK DESCRIPTION...: MW-605

LABORATORY I.D...: 962927-0015
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	11	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	20	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	94	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	86	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		
VPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	94	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	86	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	92	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/16/96
ME SAMPLED.....: 11:45
ORK DESCRIPTION...: MW-105

LABORATORY I.D...: 962927-0016
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*5		EPA 8260	12/30/96	VZ
Benzene	14	5	ug/L	EPA 8260		
Bromobenzene	ND	5	ug/L	EPA 8260		
Bromochloromethane	ND	5	ug/L	EPA 8260		
Bromodichloromethane	ND	5	ug/L	EPA 8260		
Bromoform	ND	5	ug/L	EPA 8260		
Bromomethane	ND	10	ug/L	EPA 8260		
n-Butylbenzene	ND	5	ug/L	EPA 8260		
sec-Butylbenzene	ND	5	ug/L	EPA 8260		
tert-Butylbenzene	ND	5	ug/L	EPA 8260		
Carbon tetrachloride	ND	5	ug/L	EPA 8260		
Chlorobenzene	ND	5	ug/L	EPA 8260		
Chloroethane	ND	10	ug/L	EPA 8260		
Chloroform	ND	5	ug/L	EPA 8260		
Chloromethane	ND	10	ug/L	EPA 8260		
2-Chlorotoluene	ND	5	ug/L	EPA 8260		
4-Chlorotoluene	ND	5	ug/L	EPA 8260		
Dibromochloromethane	ND	5	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	5	ug/L	EPA 8260		
1,2-Dibromoethane	ND	5	ug/L	EPA 8260		
Dibromomethane	ND	5	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	5	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethane	ND	5	ug/L	EPA 8260		
1,2-Dichloroethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethene	50	5	ug/L	EPA 8260		
cis-1,2-Dichloroethene	10	5	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
1,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,3-Dichloropropane	ND	5	ug/L	EPA 8260		
2,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,1-Dichloropropene	ND	5	ug/L	EPA 8260		
Ethylbenzene	ND	5	ug/L	EPA 8260		
Hexachlorobutadiene	ND	5	ug/L	EPA 8260		
Isopropylbenzene	ND	5	ug/L	EPA 8260		
p-Isopropyltoluene	ND	5	ug/L	EPA 8260		
Methylene Chloride	ND	5	ug/L	EPA 8260		
Naphthalene	ND	5	ug/L	EPA 8260		
n-Propylbenzene	ND	5	ug/L	EPA 8260		
Styrene	ND	5	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 11:45
WORK DESCRIPTION...: MW-105

LABORATORY I.D...: 962927-0016
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	80	5	ug/L	EPA 8260		
Toluene	ND	5	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	5	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	5	ug/L	EPA 8260		
Trichloroethene	110	5	ug/L	EPA 8260		
Trichlorofluoromethane	ND	5	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	5	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	5	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	5	ug/L	EPA 8260		
Vinyl chloride	ND	10	ug/L	EPA 8260		
o - Xylene	ND	5	ug/L	EPA 8260		
p/m - Xylenes	ND	10	ug/L	EPA 8260		
Iodomethane	ND	25	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	106	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	91	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/27/96	DF
TVPH - Gasoline	240 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	96	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	89	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	82	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
E SAMPLED.....: 12/16/96
E SAMPLED.....: 11:32
K DESCRIPTION...: EB-1216

LABORATORY I.D...: 962927-0017
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
atile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 11:32
WORK DESCRIPTION...: EB-1216

LABORATORY I.D...: 962927-0017
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	99	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	89	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	83	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/28/96	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	99	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	89	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	83	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 11:30
WORK DESCRIPTION...: FB-1216

LABORATORY I.D...: 962927-0018
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	2.9	1	ug/L	EPA 8260		
Bromodichloromethane	2.9	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	3.9	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/16/96
TIME SAMPLED.....: 11:30
WORK DESCRIPTION...: FB-1216

LABORATORY I.D...: 962927-0018
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	104	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	89	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	81	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	12/31/96	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	104	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	89	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	81	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

LIENT I.D.....: 063-004
TE SAMPLED.....: 12/17/96
ME SAMPLED.....: 07:05
ORK DESCRIPTION...: FB-1217

LABORATORY I.D...: 962927-0019
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	2.5	1	ug/L	EPA 8260		
Bromodichloromethane	3.3	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 07:05
WORK DESCRIPTION...: FB-1217

LABORATORY I.D...: 962927-0019
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

S NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
ATE SAMPLED.....: 12/17/96
ME SAMPLED.....: 07:40
RK DESCRIPTION...: EB-1217-

LABORATORY I.D...: 962927-0020
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*1		EPA 8260	12/29/96	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/17/96
TIME SAMPLED.....: 07:40
WORK DESCRIPTION...: EB-1217-

LABORATORY I.D...: 962927-0020
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	79	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	91	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	79	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

ENT I.D.....: 063-004
E SAMPLED.....: 12/18/96
E SAMPLED.....: 16:05
K DESCRIPTION...: MW-504

LABORATORY I.D...: 962927-0021
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
atile Organics by GC/MS (8260)		*250		EPA 8260	12/30/96	VZ
Benzene	6000	250	ug/L	EPA 8260		
Bromobenzene	ND	250	ug/L	EPA 8260		
Bromochloromethane	ND	250	ug/L	EPA 8260		
Bromodichloromethane	ND	250	ug/L	EPA 8260		
Bromoform	ND	250	ug/L	EPA 8260		
Bromomethane	ND	500	ug/L	EPA 8260		
n-Butylbenzene	ND	250	ug/L	EPA 8260		
sec-Butylbenzene	ND	250	ug/L	EPA 8260		
tert-Butylbenzene	ND	250	ug/L	EPA 8260		
Carbon tetrachloride	ND	250	ug/L	EPA 8260		
Chlorobenzene	ND	250	ug/L	EPA 8260		
Chloroethane	ND	500	ug/L	EPA 8260		
Chloroform	ND	250	ug/L	EPA 8260		
Chloromethane	ND	500	ug/L	EPA 8260		
2-Chlorotoluene	ND	250	ug/L	EPA 8260		
4-Chlorotoluene	ND	250	ug/L	EPA 8260		
Dibromochloromethane	ND	250	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	250	ug/L	EPA 8260		
1,2-Dibromoethane	ND	250	ug/L	EPA 8260		
Dibromomethane	ND	250	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	250	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	250	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	250	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	250	ug/L	EPA 8260		
1,1-Dichloroethane	ND	250	ug/L	EPA 8260		
1,2-Dichloroethane	ND	250	ug/L	EPA 8260		
1,1-Dichloroethene	ND	250	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	250	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	250	ug/L	EPA 8260		
1,2-Dichloropropane	ND	250	ug/L	EPA 8260		
1,3-Dichloropropane	ND	250	ug/L	EPA 8260		
2,2-Dichloropropane	ND	250	ug/L	EPA 8260		
1,1-Dichloropropene	ND	250	ug/L	EPA 8260		
Ethylbenzene	1000	250	ug/L	EPA 8260		
Hexachlorobutadiene	ND	250	ug/L	EPA 8260		
Isopropylbenzene	ND	250	ug/L	EPA 8260		
p-Isopropyltoluene	370	250	ug/L	EPA 8260		
Methylene Chloride	ND	250	ug/L	EPA 8260		
Naphthalene	2300	250	ug/L	EPA 8260		
n-Propylbenzene	350	250	ug/L	EPA 8260		
Styrene	ND	250	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	250	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	250	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 16:05
WORK DESCRIPTION...: MW-504

LABORATORY I.D...: 962927-0021
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	250	ug/L	EPA 8260		
Toluene	2800	250	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	250	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	250	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	250	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	250	ug/L	EPA 8260		
Trichloroethene	ND	250	ug/L	EPA 8260		
Trichlorofluoromethane	ND	250	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	250	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	5000	250	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	2100	250	ug/L	EPA 8260		
Vinyl chloride	ND	500	ug/L	EPA 8260		
o - Xylene	1100	250	ug/L	EPA 8260		
p/m - Xylenes	2200	500	ug/L	EPA 8260		
Iodomethane	ND	1250	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	250	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	250	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	97	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	103	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	112	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*50		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	33000	5000	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*25		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	50	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	86	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 15:30
RK DESCRIPTION...: MW-502

LABORATORY I.D...: 962927-0022
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*500		EPA 8260	12/31/97	VZ
Benzene	11000	500	ug/L	EPA 8260		
Bromobenzene	ND	500	ug/L	EPA 8260		
Bromochloromethane	ND	500	ug/L	EPA 8260		
Bromodichloromethane	ND	500	ug/L	EPA 8260		
Bromoform	ND	500	ug/L	EPA 8260		
Bromomethane	ND	1000	ug/L	EPA 8260		
n-Butylbenzene	ND	500	ug/L	EPA 8260		
sec-Butylbenzene	ND	500	ug/L	EPA 8260		
tert-Butylbenzene	ND	500	ug/L	EPA 8260		
Carbon tetrachloride	ND	500	ug/L	EPA 8260		
Chlorobenzene	ND	500	ug/L	EPA 8260		
Chloroethane	ND	1000	ug/L	EPA 8260		
Chloroform	ND	500	ug/L	EPA 8260		
Chloromethane	ND	1000	ug/L	EPA 8260		
2-Chlorotoluene	ND	500	ug/L	EPA 8260		
4-Chlorotoluene	ND	500	ug/L	EPA 8260		
Dibromochloromethane	ND	500	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	500	ug/L	EPA 8260		
1,2-Dibromoethane	ND	500	ug/L	EPA 8260		
Dibromomethane	ND	500	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	500	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	500	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	500	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	500	ug/L	EPA 8260		
1,1-Dichloroethane	ND	500	ug/L	EPA 8260		
1,2-Dichloroethane	ND	500	ug/L	EPA 8260		
1,1-Dichloroethene	ND	500	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	500	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	500	ug/L	EPA 8260		
1,2-Dichloropropane	ND	500	ug/L	EPA 8260		
1,3-Dichloropropane	ND	500	ug/L	EPA 8260		
2,2-Dichloropropane	ND	500	ug/L	EPA 8260		
1,1-Dichloropropene	ND	500	ug/L	EPA 8260		
Ethylbenzene	2100	500	ug/L	EPA 8260		
Hexachlorobutadiene	ND	500	ug/L	EPA 8260		
Isopropylbenzene	ND	500	ug/L	EPA 8260		
p-Isopropyltoluene	ND	500	ug/L	EPA 8260		
Methylene Chloride	ND	500	ug/L	EPA 8260		
Naphthalene	ND	500	ug/L	EPA 8260		
n-Propylbenzene	ND	500	ug/L	EPA 8260		
Styrene	ND	500	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	500	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	500	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 15:30
WORK DESCRIPTION...: MW-502

LABORATORY I.D...: 962927-0022
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	500	ug/L	EPA 8260		
Toluene	ND	500	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	500	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	500	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	500	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	500	ug/L	EPA 8260		
Trichloroethene	ND	500	ug/L	EPA 8260		
Trichlorofluoromethane	ND	500	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	500	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	500	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	500	ug/L	EPA 8260		
Vinyl chloride	ND	1000	ug/L	EPA 8260		
o - Xylene	ND	500	ug/L	EPA 8260		
p/m - Xylenes	570	1000	ug/L	EPA 8260		
Iodomethane	ND	2500	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	500	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	500	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	94	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*50		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	30000	5000	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	87	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	138 (a)	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	119	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 14:50
RK DESCRIPTION...: MW-501

LABORATORY I.D...: 962927-0023
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*50		EPA 8260	12/30/96	VZ
Benzene	1200	50	ug/L	EPA 8260		
Bromobenzene	ND	50	ug/L	EPA 8260		
Bromochloromethane	ND	50	ug/L	EPA 8260		
Bromodichloromethane	ND	50	ug/L	EPA 8260		
Bromoform	ND	50	ug/L	EPA 8260		
Bromomethane	ND	100	ug/L	EPA 8260		
n-Butylbenzene	ND	50	ug/L	EPA 8260		
sec-Butylbenzene	ND	50	ug/L	EPA 8260		
tert-Butylbenzene	ND	50	ug/L	EPA 8260		
Carbon tetrachloride	ND	50	ug/L	EPA 8260		
Chlorobenzene	ND	50	ug/L	EPA 8260		
Chloroethane	ND	100	ug/L	EPA 8260		
Chloroform	ND	50	ug/L	EPA 8260		
Chloromethane	ND	100	ug/L	EPA 8260		
2-Chlorotoluene	ND	50	ug/L	EPA 8260		
4-Chlorotoluene	ND	50	ug/L	EPA 8260		
Dibromochloromethane	ND	50	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	50	ug/L	EPA 8260		
1,2-Dibromoethane	ND	50	ug/L	EPA 8260		
Dibromomethane	ND	50	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	50	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	50	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	50	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	50	ug/L	EPA 8260		
1,1-Dichloroethane	ND	50	ug/L	EPA 8260		
1,2-Dichloroethane	ND	50	ug/L	EPA 8260		
1,1-Dichloroethene	ND	50	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	50	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	50	ug/L	EPA 8260		
1,2-Dichloropropane	ND	50	ug/L	EPA 8260		
1,3-Dichloropropane	ND	50	ug/L	EPA 8260		
2,2-Dichloropropane	ND	50	ug/L	EPA 8260		
1,1-Dichloropropene	ND	50	ug/L	EPA 8260		
Ethylbenzene	510	50	ug/L	EPA 8260		
Hexachlorobutadiene	ND	50	ug/L	EPA 8260		
Isopropylbenzene	92	50	ug/L	EPA 8260		
p-Isopropyltoluene	ND	50	ug/L	EPA 8260		
Methylene Chloride	ND	50	ug/L	EPA 8260		
Naphthalene	ND	50	ug/L	EPA 8260		
n-Propylbenzene	200	50	ug/L	EPA 8260		
Styrene	ND	50	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	50	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	50	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 14:50
WORK DESCRIPTION...: MW-501

LABORATORY I.D...: 962927-0023
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	50	ug/L	EPA 8260		
Toluene	ND	50	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	50	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	50	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	50	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	50	ug/L	EPA 8260		
Trichloroethene	ND	50	ug/L	EPA 8260		
Trichlorofluoromethane	ND	50	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	50	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	310	50	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	130	50	ug/L	EPA 8260		
Vinyl chloride	ND	100	ug/L	EPA 8260		
o - Xylene	ND	50	ug/L	EPA 8260		
p/m - Xylenes	650	100	ug/L	EPA 8260		
Iodomethane	ND	250	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	50	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	50	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	97	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	98	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	99	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*50		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	6800	5000	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/29/96	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	92	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	138 (a)	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	110	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 11:50
RK DESCRIPTION...: MW-503

LABORATORY I.D...: 962927-0024
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*10		EPA 8260	12/30/96	VZ
Benzene	210	10	ug/L	EPA 8260		
Bromobenzene	ND	10	ug/L	EPA 8260		
Bromochloromethane	ND	10	ug/L	EPA 8260		
Bromodichloromethane	ND	10	ug/L	EPA 8260		
Bromoform	ND	10	ug/L	EPA 8260		
Bromomethane	ND	20	ug/L	EPA 8260		
n-Butylbenzene	ND	10	ug/L	EPA 8260		
sec-Butylbenzene	12	10	ug/L	EPA 8260		
tert-Butylbenzene	ND	10	ug/L	EPA 8260		
Carbon tetrachloride	ND	10	ug/L	EPA 8260		
Chlorobenzene	ND	10	ug/L	EPA 8260		
Chloroethane	ND	20	ug/L	EPA 8260		
Chloroform	ND	10	ug/L	EPA 8260		
Chloromethane	ND	20	ug/L	EPA 8260		
2-Chlorotoluene	ND	10	ug/L	EPA 8260		
4-Chlorotoluene	ND	10	ug/L	EPA 8260		
Dibromochloromethane	ND	10	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260		
1,2-Dibromoethane	ND	10	ug/L	EPA 8260		
Dibromomethane	ND	10	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260		
1,1-Dichloroethane	ND	10	ug/L	EPA 8260		
1,2-Dichloroethane	ND	10	ug/L	EPA 8260		
1,1-Dichloroethene	320	10	ug/L	EPA 8260		
cis-1,2-Dichloroethene	40	10	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	10	ug/L	EPA 8260		
1,2-Dichloropropane	ND	10	ug/L	EPA 8260		
1,3-Dichloropropane	ND	10	ug/L	EPA 8260		
2,2-Dichloropropane	ND	10	ug/L	EPA 8260		
1,1-Dichloropropene	ND	10	ug/L	EPA 8260		
Ethylbenzene	140	10	ug/L	EPA 8260		
Hexachlorobutadiene	ND	10	ug/L	EPA 8260		
Isopropylbenzene	44	10	ug/L	EPA 8260		
p-Isopropyltoluene	ND	10	ug/L	EPA 8260		
Methylene Chloride	ND	10	ug/L	EPA 8260		
Naphthalene	28	10	ug/L	EPA 8260		
n-Propylbenzene	48	10	ug/L	EPA 8260		
Styrene	ND	10	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	10	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	10	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 11:50
WORK DESCRIPTION...: MW-503

LABORATORY I.D...: 962927-0024
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	14	10	ug/L	EPA 8260		
Toluene	19	10	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	10	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	10	ug/L	EPA 8260		
Trichloroethene	270	10	ug/L	EPA 8260		
Trichlorofluoromethane	ND	10	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	63	10	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	23	10	ug/L	EPA 8260		
Vinyl chloride	ND	20	ug/L	EPA 8260		
o - Xylene	21	10	ug/L	EPA 8260		
p/m - Xylenes	35	20	ug/L	EPA 8260		
Iodomethane	ND	50	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	10	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	104	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*2		EPA 8015(Modified)	01/02/97	DF
TVPH - Gasoline	4600	200	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*10		EPA 8260	12/30/97	VZ
Methyl tert-butyl ether	ND	20	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	104	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 14:10
RK DESCRIPTION...: MW-206

LABORATORY I.D...: 962927-0025
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*100		EPA 8260	12/31/97	VZ
Benzene	2200	100	ug/L	EPA 8260		
Bromobenzene	ND	100	ug/L	EPA 8260		
Bromochloromethane	ND	100	ug/L	EPA 8260		
Bromodichloromethane	ND	100	ug/L	EPA 8260		
Bromoform	ND	100	ug/L	EPA 8260		
Bromomethane	ND	200	ug/L	EPA 8260		
n-Butylbenzene	ND	100	ug/L	EPA 8260		
sec-Butylbenzene	ND	100	ug/L	EPA 8260		
tert-Butylbenzene	ND	100	ug/L	EPA 8260		
Carbon tetrachloride	ND	100	ug/L	EPA 8260		
Chlorobenzene	ND	100	ug/L	EPA 8260		
Chloroethane	ND	200	ug/L	EPA 8260		
Chloroform	ND	100	ug/L	EPA 8260		
Chloromethane	ND	200	ug/L	EPA 8260		
2-Chlorotoluene	ND	100	ug/L	EPA 8260		
4-Chlorotoluene	ND	100	ug/L	EPA 8260		
Dibromochloromethane	ND	100	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	100	ug/L	EPA 8260		
1,2-Dibromoethane	ND	100	ug/L	EPA 8260		
Dibromomethane	ND	100	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	100	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	100	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	100	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	100	ug/L	EPA 8260		
1,1-Dichloroethane	ND	100	ug/L	EPA 8260		
1,2-Dichloroethane	ND	100	ug/L	EPA 8260		
1,1-Dichloroethene	ND	100	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	100	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	100	ug/L	EPA 8260		
1,2-Dichloropropane	ND	100	ug/L	EPA 8260		
1,3-Dichloropropane	ND	100	ug/L	EPA 8260		
2,2-Dichloropropane	ND	100	ug/L	EPA 8260		
1,1-Dichloropropene	ND	100	ug/L	EPA 8260		
Ethylbenzene	1200	100	ug/L	EPA 8260		
Hexachlorobutadiene	ND	100	ug/L	EPA 8260		
Isopropylbenzene	ND	100	ug/L	EPA 8260		
p-Isopropyltoluene	ND	100	ug/L	EPA 8260		
Methylene Chloride	ND	100	ug/L	EPA 8260		
Naphthalene	130	100	ug/L	EPA 8260		
n-Propylbenzene	120	100	ug/L	EPA 8260		
Styrene	ND	100	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	100	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	100	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 14:10
WORK DESCRIPTION...: MW-206

LABORATORY I.D...: 962927-0025
DATE RECEIVED....: 12/18/96
TIME RECEIVED....: 09:45
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	100	ug/L	EPA 8260		
Toluene	ND	100	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	100	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	100	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	100	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	100	ug/L	EPA 8260		
Trichloroethene	ND	100	ug/L	EPA 8260		
Trichlorofluoromethane	ND	100	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	100	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	190	100	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	140	100	ug/L	EPA 8260		
Vinyl chloride	ND	200	ug/L	EPA 8260		
o - Xylene	ND	100	ug/L	EPA 8260		
p/m - Xylenes	340	200	ug/L	EPA 8260		
Iodomethane	ND	500	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	100	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	100	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	95	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	95	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*50		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	8200	5000	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*10		EPA 8260	12/30/97	VZ
Methyl tert-butyl ether	ND	20	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	95	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	103	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT ..D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 08:15
RK DESCRIPTION...: EB-1218

LABORATORY I.D...: 962927-0026
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*1		EPA 8260	12/30/96	VZ
Benzene	1.0	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	2.0	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 08:15
WORK DESCRIPTION...: EB-1218

LABORATORY I.D...: 962927-0026
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	94	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	79	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/30/97	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	94	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	79	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 11:00
MARK DESCRIPTION...: W-3

LABORATORY I.D...: 962927-0027
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*25		EPA 8260	12/31/97	VZ
Benzene	590	25	ug/L	EPA 8260		
Bromobenzene	ND	25	ug/L	EPA 8260		
Bromochloromethane	ND	25	ug/L	EPA 8260		
Bromodichloromethane	ND	25	ug/L	EPA 8260		
Bromoform	ND	25	ug/L	EPA 8260		
Bromomethane	ND	50	ug/L	EPA 8260		
n-Butylbenzene	ND	25	ug/L	EPA 8260		
sec-Butylbenzene	ND	25	ug/L	EPA 8260		
tert-Butylbenzene	ND	25	ug/L	EPA 8260		
Carbon tetrachloride	ND	25	ug/L	EPA 8260		
Chlorobenzene	ND	25	ug/L	EPA 8260		
Chloroethane	ND	50	ug/L	EPA 8260		
Chloroform	ND	25	ug/L	EPA 8260		
Chloromethane	ND	50	ug/L	EPA 8260		
2-Chlorotoluene	ND	25	ug/L	EPA 8260		
4-Chlorotoluene	ND	25	ug/L	EPA 8260		
Dibromochloromethane	ND	25	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	25	ug/L	EPA 8260		
1,2-Dibromoethane	ND	25	ug/L	EPA 8260		
Dibromomethane	ND	25	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	25	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	25	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	25	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	25	ug/L	EPA 8260		
1,1-Dichloroethane	ND	25	ug/L	EPA 8260		
1,2-Dichloroethane	ND	25	ug/L	EPA 8260		
1,1-Dichloroethene	ND	25	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	25	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	25	ug/L	EPA 8260		
1,2-Dichloropropane	ND	25	ug/L	EPA 8260		
1,3-Dichloropropane	ND	25	ug/L	EPA 8260		
2,2-Dichloropropane	ND	25	ug/L	EPA 8260		
1,1-Dichloropropene	ND	25	ug/L	EPA 8260		
Ethylbenzene	ND	25	ug/L	EPA 8260		
Hexachlorobutadiene	ND	25	ug/L	EPA 8260		
Isopropylbenzene	ND	25	ug/L	EPA 8260		
p-Isopropyltoluene	ND	25	ug/L	EPA 8260		
Methylene Chloride	ND	25	ug/L	EPA 8260		
Naphthalene	ND	25	ug/L	EPA 8260		
n-Propylbenzene	ND	25	ug/L	EPA 8260		
Styrene	ND	25	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	25	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	25	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 11:00
WORK DESCRIPTION...: W-3

LABORATORY I.D...: 962927-0027
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	25	ug/L	EPA 8260		
Toluene	ND	25	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	25	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	25	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	25	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	25	ug/L	EPA 8260		
Trichloroethene	ND	25	ug/L	EPA 8260		
Trichlorofluoromethane	ND	25	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	25	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	25	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	25	ug/L	EPA 8260		
Vinyl chloride	ND	50	ug/L	EPA 8260		
o - Xylene	ND	25	ug/L	EPA 8260		
p/m - Xylenes	ND	50	ug/L	EPA 8260		
Iodomethane	ND	125	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	25	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	25	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	98	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	81	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	1300 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/30/97	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	92	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 10:05
MARK DESCRIPTION...: W-1

LABORATORY I.D...: 962927-0028
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*5		EPA 8260	12/30/96	VZ
Benzene	78	5	ug/L	EPA 8260		
Bromobenzene	ND	5	ug/L	EPA 8260		
Bromochloromethane	ND	5	ug/L	EPA 8260		
Bromodichloromethane	ND	5	ug/L	EPA 8260		
Bromoform	ND	5	ug/L	EPA 8260		
Bromomethane	ND	10	ug/L	EPA 8260		
n-Butylbenzene	ND	5	ug/L	EPA 8260		
sec-Butylbenzene	ND	5	ug/L	EPA 8260		
tert-Butylbenzene	ND	5	ug/L	EPA 8260		
Carbon tetrachloride	ND	5	ug/L	EPA 8260		
Chlorobenzene	ND	5	ug/L	EPA 8260		
Chloroethane	ND	10	ug/L	EPA 8260		
Chloroform	ND	5	ug/L	EPA 8260		
Chloromethane	ND	10	ug/L	EPA 8260		
2-Chlorotoluene	ND	5	ug/L	EPA 8260		
4-Chlorotoluene	ND	5	ug/L	EPA 8260		
Dibromochloromethane	ND	5	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	5	ug/L	EPA 8260		
1,2-Dibromoethane	ND	5	ug/L	EPA 8260		
Dibromomethane	ND	5	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	5	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethane	ND	5	ug/L	EPA 8260		
1,2-Dichloroethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethene	ND	5	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
1,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,3-Dichloropropane	ND	5	ug/L	EPA 8260		
2,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,1-Dichloropropene	ND	5	ug/L	EPA 8260		
Ethylbenzene	ND	5	ug/L	EPA 8260		
Hexachlorobutadiene	ND	5	ug/L	EPA 8260		
Isopropylbenzene	27	5	ug/L	EPA 8260		
p-Isopropyltoluene	ND	5	ug/L	EPA 8260		
Methylene Chloride	ND	5	ug/L	EPA 8260		
Naphthalene	10	5	ug/L	EPA 8260		
n-Propylbenzene	31	5	ug/L	EPA 8260		
Styrene	ND	5	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 10:05
WORK DESCRIPTION...: W-1

LABORATORY I.D...: 962927-0028
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	5	ug/L	EPA 8260		
Toluene	ND	5	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	5	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	5	ug/L	EPA 8260		
Trichloroethene	ND	5	ug/L	EPA 8260		
Trichlorofluoromethane	ND	5	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	5	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	5	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	5	ug/L	EPA 8260		
Vinyl chloride	ND	10	ug/L	EPA 8260		
o - Xylene	ND	5	ug/L	EPA 8260		
p/m - Xylenes	ND	10	ug/L	EPA 8260		
Iodomethane	ND	25	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	94	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	800 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/30/97	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	94	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 09:10
RK DESCRIPTION...: W-4

LABORATORY I.D...: 962927-0029
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*5		EPA 8260	12/30/96	VZ
Benzene	80	5	ug/L	EPA 8260		
Bromobenzene	ND	5	ug/L	EPA 8260		
Bromochloromethane	ND	5	ug/L	EPA 8260		
Bromodichloromethane	ND	5	ug/L	EPA 8260		
Bromoform	ND	5	ug/L	EPA 8260		
Bromomethane	ND	10	ug/L	EPA 8260		
n-Butylbenzene	ND	5	ug/L	EPA 8260		
sec-Butylbenzene	ND	5	ug/L	EPA 8260		
tert-Butylbenzene	ND	5	ug/L	EPA 8260		
Carbon tetrachloride	ND	5	ug/L	EPA 8260		
Chlorobenzene	ND	5	ug/L	EPA 8260		
Chloroethane	ND	10	ug/L	EPA 8260		
Chloroform	ND	5	ug/L	EPA 8260		
Chloromethane	ND	10	ug/L	EPA 8260		
2-Chlorotoluene	ND	5	ug/L	EPA 8260		
4-Chlorotoluene	ND	5	ug/L	EPA 8260		
Dibromochloromethane	ND	5	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	5	ug/L	EPA 8260		
1,2-Dibromoethane	ND	5	ug/L	EPA 8260		
Dibromomethane	ND	5	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	5	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	5	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethane	ND	5	ug/L	EPA 8260		
1,2-Dichloroethane	ND	5	ug/L	EPA 8260		
1,1-Dichloroethene	ND	5	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	5	ug/L	EPA 8260		
1,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,3-Dichloropropane	ND	5	ug/L	EPA 8260		
2,2-Dichloropropane	ND	5	ug/L	EPA 8260		
1,1-Dichloropropene	ND	5	ug/L	EPA 8260		
Ethylbenzene	ND	5	ug/L	EPA 8260		
Hexachlorobutadiene	ND	5	ug/L	EPA 8260		
Isopropylbenzene	19	5	ug/L	EPA 8260		
p-Isopropyltoluene	ND	5	ug/L	EPA 8260		
Methylene Chloride	ND	5	ug/L	EPA 8260		
Naphthalene	ND	5	ug/L	EPA 8260		
n-Propylbenzene	18	5	ug/L	EPA 8260		
Styrene	ND	5	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	5	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 09:10
WORK DESCRIPTION...: W-4

LABORATORY I.D...: 962927-0029
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	5	ug/L	EPA 8260		
Toluene	ND	5	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	5	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	5	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	5	ug/L	EPA 8260		
Trichloroethene	ND	5	ug/L	EPA 8260		
Trichlorofluoromethane	ND	5	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	5	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	5	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	5	ug/L	EPA 8260		
Vinyl chloride	ND	10	ug/L	EPA 8260		
o - Xylene	ND	5	ug/L	EPA 8260		
p/m - Xylenes	ND	10	ug/L	EPA 8260		
Iodomethane	ND	25	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	5	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	420 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/30/97	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	98	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	96	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	88	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

3 NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 07:45
RK DESCRIPTION...: FB-1218-

LABORATORY I.D...: 962927-0030
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*1		EPA 8260	12/31/97	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 07:45
WORK DESCRIPTION...: FB-1218-

LABORATORY I.D...: 962927-0030
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	88	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	84	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/01/97	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/31/97	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	88	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	84	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

LIENT I.D.....: 063-004
TE SAMPLED.....: 12/18/96
ME SAMPLED.....: 08:20
RK DESCRIPTION...: W-2

LABORATORY I.D...: 962927-0031
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*2		EPA 8260	01/02/97	VZ
Benzene	56	2	ug/L	EPA 8260		
Bromobenzene	ND	2	ug/L	EPA 8260		
Bromochloromethane	ND	2	ug/L	EPA 8260		
Bromodichloromethane	ND	2	ug/L	EPA 8260		
Bromoform	ND	2	ug/L	EPA 8260		
Bromomethane	ND	4	ug/L	EPA 8260		
n-Butylbenzene	ND	2	ug/L	EPA 8260		
sec-Butylbenzene	ND	2	ug/L	EPA 8260		
tert-Butylbenzene	ND	2	ug/L	EPA 8260		
Carbon tetrachloride	ND	2	ug/L	EPA 8260		
Chlorobenzene	ND	2	ug/L	EPA 8260		
Chloroethane	ND	4	ug/L	EPA 8260		
Chloroform	ND	2	ug/L	EPA 8260		
Chloromethane	ND	4	ug/L	EPA 8260		
2-Chlorotoluene	ND	2	ug/L	EPA 8260		
4-Chlorotoluene	ND	2	ug/L	EPA 8260		
Dibromochloromethane	ND	2	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	2	ug/L	EPA 8260		
1,2-Dibromoethane	ND	2	ug/L	EPA 8260		
Dibromomethane	ND	2	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	2	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	2	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethane	ND	2	ug/L	EPA 8260		
1,2-Dichloroethane	ND	2	ug/L	EPA 8260		
1,1-Dichloroethene	ND	2	ug/L	EPA 8260		
cis-1,2-Dichloroethene	13	2	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	2	ug/L	EPA 8260		
1,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,3-Dichloropropane	ND	2	ug/L	EPA 8260		
2,2-Dichloropropane	ND	2	ug/L	EPA 8260		
1,1-Dichloropropene	ND	2	ug/L	EPA 8260		
Ethylbenzene	ND	2	ug/L	EPA 8260		
Hexachlorobutadiene	ND	2	ug/L	EPA 8260		
Isopropylbenzene	18	2	ug/L	EPA 8260		
p-Isopropyltoluene	ND	2	ug/L	EPA 8260		
Methylene Chloride	ND	2	ug/L	EPA 8260		
Naphthalene	ND	2	ug/L	EPA 8260		
n-Propylbenzene	12	2	ug/L	EPA 8260		
Styrene	ND	2	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	2	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/18/96
TIME SAMPLED.....: 08:20
WORK DESCRIPTION...: W-2

LABORATORY I.D...: 962927-0031
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	2	ug/L	EPA 8260		
Toluene	ND	2	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	2	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	2	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	2	ug/L	EPA 8260		
Trichloroethene	ND	2	ug/L	EPA 8260		
Trichlorofluoromethane	ND	2	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	2	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	2	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	2	ug/L	EPA 8260		
Vinyl chloride	11	4	ug/L	EPA 8260		
o - Xylene	ND	2	ug/L	EPA 8260		
p/m - Xylenes	ND	4	ug/L	EPA 8260		
Iodomethane	ND	10	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	99	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	91	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/02/97	DF
TVPH - Gasoline	560 (g)	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/31/97	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	91	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	102	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	100	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
E SAMPLED.....: 12/19/96
ME SAMPLED.....: 08:32
RK DESCRIPTION...: EB-1219

LABORATORY I.D...: 962927-0032
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olatile Organics by GC/MS (8260)		*1		EPA 8260	12/31/97	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/19/96
TIME SAMPLED.....: 08:32
WORK DESCRIPTION...: EB-1219

LABORATORY I.D...: 962927-0032
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	80	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/02/97	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/31/97	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	103	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	80	0	% Recovery	74-121% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/19/96
TIME SAMPLED.....: 08:30
WORK DESCRIPTION...: FB-1219

LABORATORY I.D...: 962927-0033
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*1		EPA 8260	12/31/97	VZ
Benzene	ND	1	ug/L	EPA 8260		
Bromobenzene	ND	1	ug/L	EPA 8260		
Bromochloromethane	ND	1	ug/L	EPA 8260		
Bromodichloromethane	ND	1	ug/L	EPA 8260		
Bromoform	ND	1	ug/L	EPA 8260		
Bromomethane	ND	2	ug/L	EPA 8260		
n-Butylbenzene	ND	1	ug/L	EPA 8260		
sec-Butylbenzene	ND	1	ug/L	EPA 8260		
tert-Butylbenzene	ND	1	ug/L	EPA 8260		
Carbon tetrachloride	ND	1	ug/L	EPA 8260		
Chlorobenzene	ND	1	ug/L	EPA 8260		
Chloroethane	ND	2	ug/L	EPA 8260		
Chloroform	ND	1	ug/L	EPA 8260		
Chloromethane	ND	2	ug/L	EPA 8260		
2-Chlorotoluene	ND	1	ug/L	EPA 8260		
4-Chlorotoluene	ND	1	ug/L	EPA 8260		
Dibromochloromethane	ND	1	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	1	ug/L	EPA 8260		
1,2-Dibromoethane	ND	1	ug/L	EPA 8260		
Dibromomethane	ND	1	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	1	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	1	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethane	ND	1	ug/L	EPA 8260		
1,2-Dichloroethane	ND	1	ug/L	EPA 8260		
1,1-Dichloroethene	ND	1	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260		
1,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,3-Dichloropropane	ND	1	ug/L	EPA 8260		
2,2-Dichloropropane	ND	1	ug/L	EPA 8260		
1,1-Dichloropropene	ND	1	ug/L	EPA 8260		
Ethylbenzene	ND	1	ug/L	EPA 8260		
Hexachlorobutadiene	ND	1	ug/L	EPA 8260		
Isopropylbenzene	ND	1	ug/L	EPA 8260		
p-Isopropyltoluene	ND	1	ug/L	EPA 8260		
Methylene Chloride	ND	1	ug/L	EPA 8260		
Naphthalene	ND	1	ug/L	EPA 8260		
n-Propylbenzene	ND	1	ug/L	EPA 8260		
Styrene	ND	1	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/19/96
TIME SAMPLED.....: 08:30
WORK DESCRIPTION...: FB-1219

LABORATORY I.D...: 962927-0033
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	1	ug/L	EPA 8260		
Toluene	ND	1	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	1	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260		
Trichloroethene	ND	1	ug/L	EPA 8260		
Trichlorofluoromethane	ND	1	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	ND	1	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	1	ug/L	EPA 8260		
Vinyl chloride	ND	2	ug/L	EPA 8260		
o - Xylene	ND	1	ug/L	EPA 8260		
p/m - Xylenes	ND	2	ug/L	EPA 8260		
Iodomethane	ND	5	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	87	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*1		EPA 8015(Modified)	01/02/97	DF
TVPH - Gasoline	ND	100	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*1		EPA 8260	12/31/97	VZ
Methyl tert-butyl ether	ND	2	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	102	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	92	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	87	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/19/96
TIME SAMPLED.....: 09:00
WORK DESCRIPTION...: MW-600

LABORATORY I.D...: 962927-0034
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Volatile Organics by GC/MS (8260)		*500		EPA 8260	01/05/97	VZ
Benzene	14000	500	ug/L	EPA 8260		
Bromobenzene	ND	500	ug/L	EPA 8260		
Bromochloromethane	ND	500	ug/L	EPA 8260		
Bromodichloromethane	ND	500	ug/L	EPA 8260		
Bromoform	ND	500	ug/L	EPA 8260		
Bromomethane	ND	1000	ug/L	EPA 8260		
n-Butylbenzene	ND	500	ug/L	EPA 8260		
sec-Butylbenzene	ND	500	ug/L	EPA 8260		
tert-Butylbenzene	ND	500	ug/L	EPA 8260		
Carbon tetrachloride	ND	500	ug/L	EPA 8260		
Chlorobenzene	ND	500	ug/L	EPA 8260		
Chloroethane	ND	1000	ug/L	EPA 8260		
Chloroform	ND	500	ug/L	EPA 8260		
Chloromethane	ND	1000	ug/L	EPA 8260		
2-Chlorotoluene	ND	500	ug/L	EPA 8260		
4-Chlorotoluene	ND	500	ug/L	EPA 8260		
Dibromochloromethane	ND	500	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	500	ug/L	EPA 8260		
1,2-Dibromoethane	ND	500	ug/L	EPA 8260		
Dibromomethane	ND	500	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	500	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	500	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	500	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	500	ug/L	EPA 8260		
1,1-Dichloroethane	ND	500	ug/L	EPA 8260		
1,2-Dichloroethane	ND	500	ug/L	EPA 8260		
1,1-Dichloroethene	ND	500	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	500	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	500	ug/L	EPA 8260		
1,2-Dichloropropane	ND	500	ug/L	EPA 8260		
1,3-Dichloropropane	ND	500	ug/L	EPA 8260		
2,2-Dichloropropane	ND	500	ug/L	EPA 8260		
1,1-Dichloropropene	ND	500	ug/L	EPA 8260		
Ethylbenzene	1800	500	ug/L	EPA 8260		
Hexachlorobutadiene	ND	500	ug/L	EPA 8260		
Isopropylbenzene	ND	500	ug/L	EPA 8260		
p-Isopropyltoluene	ND	500	ug/L	EPA 8260		
Methylene Chloride	ND	500	ug/L	EPA 8260		
Naphthalene	ND	500	ug/L	EPA 8260		
n-Propylbenzene	ND	500	ug/L	EPA 8260		
Styrene	ND	500	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	500	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	500	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/19/96
TIME SAMPLED.....: 09:00
WORK DESCRIPTION...: MW-600

LABORATORY I.D...: 962927-0034
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	500	ug/L	EPA 8260		
Toluene	15000	500	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	500	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	500	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	500	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	500	ug/L	EPA 8260		
Trichloroethene	ND	500	ug/L	EPA 8260		
Trichlorofluoromethane	ND	500	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	500	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	1800	500	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	580	500	ug/L	EPA 8260		
Vinyl chloride	ND	1000	ug/L	EPA 8260		
o - Xylene	3700	500	ug/L	EPA 8260		
p/m - Xylenes	5400	1000	ug/L	EPA 8260		
Iodomethane	ND	2500	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	500	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	500	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	101	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	94	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	90	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*50		EPA 8015(Modified)	01/02/97	DF
TVPH - Gasoline	87000	5000	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/31/97	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	90	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	104	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	93	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
01/29/97

B NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

IENT I.D.....: 063-004
TE SAMPLED.....: 12/19/96
ME SAMPLED.....: 09:50
RK DESCRIPTION...: MW-601

LABORATORY I.D...: 962927-0035
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
latile Organics by GC/MS (8260)		*500		EPA 8260	01/05/97	VZ
Benzene	10000	500	ug/L	EPA 8260		
Bromobenzene	ND	500	ug/L	EPA 8260		
Bromochloromethane	ND	500	ug/L	EPA 8260		
Bromodichloromethane	ND	500	ug/L	EPA 8260		
Bromoform	ND	500	ug/L	EPA 8260		
Bromomethane	ND	1000	ug/L	EPA 8260		
n-Butylbenzene	ND	500	ug/L	EPA 8260		
sec-Butylbenzene	ND	500	ug/L	EPA 8260		
tert-Butylbenzene	ND	500	ug/L	EPA 8260		
Carbon tetrachloride	ND	500	ug/L	EPA 8260		
Chlorobenzene	ND	500	ug/L	EPA 8260		
Chloroethane	ND	1000	ug/L	EPA 8260		
Chloroform	ND	500	ug/L	EPA 8260		
Chloromethane	ND	1000	ug/L	EPA 8260		
2-Chlorotoluene	ND	500	ug/L	EPA 8260		
4-Chlorotoluene	ND	500	ug/L	EPA 8260		
Dibromochloromethane	ND	500	ug/L	EPA 8260		
1,2-Dibromo-3-chloropropane	ND	500	ug/L	EPA 8260		
1,2-Dibromoethane	ND	500	ug/L	EPA 8260		
Dibromomethane	ND	500	ug/L	EPA 8260		
1,2-Dichlorobenzene	ND	500	ug/L	EPA 8260		
1,3-Dichlorobenzene	ND	500	ug/L	EPA 8260		
1,4-Dichlorobenzene	ND	500	ug/L	EPA 8260		
Dichlorodifluoromethane	ND	500	ug/L	EPA 8260		
1,1-Dichloroethane	ND	500	ug/L	EPA 8260		
1,2-Dichloroethane	ND	500	ug/L	EPA 8260		
1,1-Dichloroethene	ND	500	ug/L	EPA 8260		
cis-1,2-Dichloroethene	ND	500	ug/L	EPA 8260		
trans-1,2-Dichloroethene	ND	500	ug/L	EPA 8260		
1,2-Dichloropropane	ND	500	ug/L	EPA 8260		
1,3-Dichloropropane	ND	500	ug/L	EPA 8260		
2,2-Dichloropropane	ND	500	ug/L	EPA 8260		
1,1-Dichloropropene	ND	500	ug/L	EPA 8260		
Ethylbenzene	1600	500	ug/L	EPA 8260		
Hexachlorobutadiene	ND	500	ug/L	EPA 8260		
Isopropylbenzene	ND	500	ug/L	EPA 8260		
p-Isopropyltoluene	ND	500	ug/L	EPA 8260		
Methylene Chloride	ND	500	ug/L	EPA 8260		
Naphthalene	ND	500	ug/L	EPA 8260		
n-Propylbenzene	ND	500	ug/L	EPA 8260		
Styrene	ND	500	ug/L	EPA 8260		
1,1,1,2-Tetrachloroethane	ND	500	ug/L	EPA 8260		
1,1,2,2-Tetrachloroethane	ND	500	ug/L	EPA 8260		

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LABORATORY TESTS RESULTS
01/29/97

JOB NUMBER: 962927 CUSTOMER: ** Powerine Oil Company ** ATTN: Matt Winefield

CLIENT I.D.....: 063-004
DATE SAMPLED.....: 12/19/96
TIME SAMPLED.....: 09:50
WORK DESCRIPTION...: MW-601

LABORATORY I.D...: 962927-0035
DATE RECEIVED....: 12/19/96
TIME RECEIVED....: 10:15
REMARKS.....: LIQUID

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Tetrachloroethene	ND	500	ug/L	EPA 8260		
Toluene	ND	500	ug/L	EPA 8260		
1,2,3-Trichlorobenzene	ND	500	ug/L	EPA 8260		
1,2,4-Trichlorobenzene	ND	500	ug/L	EPA 8260		
1,1,1-Trichloroethane	ND	500	ug/L	EPA 8260		
1,1,2-Trichloroethane	ND	500	ug/L	EPA 8260		
Trichloroethene	ND	500	ug/L	EPA 8260		
Trichlorofluoromethane	ND	500	ug/L	EPA 8260		
1,2,3-Trichloropropane	ND	500	ug/L	EPA 8260		
1,2,4-Trimethylbenzene	1100	500	ug/L	EPA 8260		
1,3,5-Trimethylbenzene	ND	500	ug/L	EPA 8260		
Vinyl chloride	ND	1000	ug/L	EPA 8260		
o - Xylene	ND	500	ug/L	EPA 8260		
p/m - Xylenes	4000	1000	ug/L	EPA 8260		
Iodomethane	ND	2500	ug/L	EPA 8260		
cis-1,3-Dichloropropene	ND	500	ug/L	EPA 8260		
trans-1,3-Dichloropropene	ND	500	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	101	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	90	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	89	0	% Recovery	74-121% QC LIMITS		
TVPH-Gasoline		*50		EPA 8015(Modified)	01/02/97	DF
TVPH - Gasoline	70000	5000	ug/L	EPA 8015 (modified)		
Methyl t-butyl ether by GC/MS		*5		EPA 8260	12/31/97	VZ
Methyl tert-butyl ether	ND	10	ug/L	EPA 8260		
Dibromofluoromethane (SURROGATE)	96	0	% Recovery	86-118% QC LIMITS		
d8-Toluene (SURROGATE)	110	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	115	0	% Recovery	74-121% QC LIMITS		

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QUALITY CONTROL REPORT
01/07/97

JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

PH-Gasoline DATE ANALYZED: 12/26/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956956

BLANKS

ST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
TVPH - Gasoline	METHOD	MB122696	1	<100	100	ug/L

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QUALITY CONTROL REPORT
01/07/97

JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/26/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956956

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MATRIX	962872-20	1	1470	406	1000	106	100	ug/L
	MATRIX DUP	962872-20	1	1480	406	1000	107	100	ug/L

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CORE LABORATORIES

QUALITY CONTROL REPORT
01/07/97

JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

PH-Gasoline DATE ANALYZED: 12/26/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956956

DUPLICATES

ST SCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
- Gasoline	MS/MSD	962872-20	1	106	107	1	100	ug/L

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CORE LABORATORIES

QUALITY CONTROL REPORT
01/07/97

JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956957

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
TVPH - Gasoline	METHOD	MB122696	1	<100	100	ug/L

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QUALITY CONTROL REPORT
01/07/97

NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

H-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956957

MATRIX SPIKES

T SCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
H - Gasoline	MATRIX	962849-1	1	944	0	1000	94	100	ug/L
	MATRIX DUP	962849-1	1	920	0	1000	92	100	ug/L

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QUALITY CONTROL REPORT
01/07/97

JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956957

DUPLICATES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MS/MSD	962849-1	1	<100	<100	NC	100	ug/L

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QUALITY CONTROL REPORT
01/07/97

NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

H-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956959

BLANKS

T DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
H - Gasoline	METHOD	MB122696	1	<500	500	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956959

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MATRIX	962872-20	1	1470	406	1000	106	500	ug/L
	MATRIX DUP	962872-20	1	1480	406	1000	107	500	ug/L

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QUALITY CONTROL REPORT
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B NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

H-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956959

DUPLICATES

T CRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
H - Gasoline	MS/MSD	962872-20	1	<500	<500	NC	500	ug/L

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QUALITY CONTROL REPORT
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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956983

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
TVPH - Gasoline	METHOD	MB122796	1	<100	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TPH-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956983

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
TPH - Gasoline	MATRIX	962927-31	1	1500	565	1000	94	100	ug/L
	MATRIX DUP	962927-31	1	1580	565	1000	101	100	ug/L

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QUALITY CONTROL REPORT
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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/27/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956983

DUPLICATES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MS/MSD	962927-31	1	<100	<100	NC	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TPH-Gasoline DATE ANALYZED: 12/28/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:956996

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
TPH - Gasoline	METHOD	MB122796	1	<100	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/31/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957072

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
TVPH - Gasoline	METHOD	MB123196	1	<100	100	ug/L

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B NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

PH-Gasoline DATE ANALYZED: 12/31/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957072

MATRIX SPIKES

T SCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
PH - Gasoline	MATRIX	962872-14	1	901	0	1000	90	100	ug/L
	MATRIX DUP	962872-14	1	888	0	1000	89	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 12/31/96 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957072

DUPLICATES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MS/MSD	962872-14	1	<100	<100	NC	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

PH-Gasoline DATE ANALYZED: 01/01/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957073

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
PH - Gasoline	METHOD	MB123196	1	<100	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 01/01/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957073

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MATRIX	962872-14	1	901	0	1000	90	100	ug/L
	MATRIX DUP	962872-14	1	888	0	1000	89	100	ug/L

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QUALITY CONTROL REPORT
01/07/97

NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

H-Gasoline DATE ANALYZED: 01/01/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957073

DUPLICATES

ST SCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
PH - Gasoline	MS/MSD	962872-14	1	<100	<100	NC	100	ug/L

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TVPH-Gasoline DATE ANALYZED: 01/02/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957100

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
TVPH - Gasoline	METHOD	MB010297	1	<0.100	0.100	mg/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

PH-Gasoline DATE ANALYZED: 01/02/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957100

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
PH - Gasoline	MATRIX	962927-31	1	1.50	0.565	1.00	94	0.100	mg/L
	MATRIX DUP	962927-31	1	1.58	0.565	1.00	102	0.100	mg/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 01/02/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957100

DUPLICATES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MS/MSD	962927-31	1	94	102	8	0.100	mg/L

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QUALITY CONTROL REPORT
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3 NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

PH-Gasoline DATE ANALYZED: 01/02/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957101

BLANKS

T DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
H - Gasoline	METHOD	MB010297	1	<100	100	ug/L

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JOB NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

TVPH-Gasoline DATE ANALYZED: 01/02/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957101

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
TVPH - Gasoline	MATRIX	962927-31	1	1500	565	1000	94	100	ug/L
	MATRIX DUP	962927-31	1	1580	565	1000	101	100	ug/L

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QUALITY CONTROL REPORT
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NUMBER: 962927 CUSTOMER: Powerine Oil Company ATTN: Matt Winefield

H-Gasoline DATE ANALYZED: 01/02/97 TIME ANALYZED: 00:00 METHOD: EPA 8015(Modified) QC NUMBER:957101

DUPLICATES

ST SCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
PH - Gasoline	MS/MSD	962927-31	1	<100	<100	NC	100	ug/L

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 12/27/96

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB122796	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB122796	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB122796	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB122796	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB122796	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB122796	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB122796	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB122796	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB122796	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB122796	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB122796	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB122796	1.00	ND	1.00	ug/L
Toluene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB122796	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB122796	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB122796	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB122796	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB122796	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB122796	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB122796	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB122796	1.00	ND	1.00	ug/L

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CORE LABORATORIES

QUALITY ASSURANCE REPORT

A Method 8260 / 524.2 DATE ANALYZED: 12/27/96

BLANKS

ST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
s-1,3-Dichloropropene	METHOD	MB122796	1.00	ND	1.00	ug/L
ans-1,3-Dichloropropene	METHOD	MB122796	1.00	ND	1.00	ug/L
hylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
xachlorobutadiene	METHOD	MB122796	1.00	ND	1.00	ug/L
opropylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
Isopropyltoluene	METHOD	MB122796	1.00	ND	1.00	ug/L
phthalene	METHOD	MB122796	1.00	ND	1.00	ug/L
Propylbenzene	METHOD	MB122796	1.00	ND	1.00	ug/L
yrene	METHOD	MB122796	1.00	ND	1.00	ug/L
thyltertbutylether	METHOD	MB122796	1.00	ND	2.00	ug/L
Bromofluorometh (surrogate)	METHOD	MB122796	1.00	104	40-130%	%recovery
-Toluene (surrogate)	METHOD	MB122796	1.00	94	81-117%	%recovery
romofluorobenzene (surrogate)	METHOD	MB122796	1.00	87	74-141%	%recovery

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 12/28/96

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB122896	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB122896	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB122896	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB122896	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB122896	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB122896	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB122896	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB122896	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB122896	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB122896	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB122896	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB122896	1.00	ND	1.00	ug/L
Toluene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB122896	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB122896	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB122896	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB122896	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB122896	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB122896	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB122896	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB122896	1.00	ND	1.00	ug/L

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CORE LABORATORIES

QUALITY ASSURANCE REPORT

Method 8260 / 524.2

DATE ANALYZED: 12/28/96

BLANKS

T DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
-1,3-Dichloropropene	METHOD	MB122896	1.00	ND	1.00	ug/L
s-1,3-Dichloropropene	METHOD	MB122896	1.00	ND	1.00	ug/L
ylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
achlorobutadiene	METHOD	MB122896	1.00	ND	1.00	ug/L
propylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
sopropyltoluene	METHOD	MB122896	1.00	ND	1.00	ug/L
hthalene	METHOD	MB122896	1.00	ND	1.00	ug/L
ropylbenzene	METHOD	MB122896	1.00	ND	1.00	ug/L
tyrene	METHOD	MB122896	1.00	ND	1.00	ug/L
thyltertbutylether	METHOD	MB122896	1.00	ND	2.00	ug/L
romofluorometh (surrogate)	METHOD	MB122896	1.00	95	40-130%	%recovery
Toluene (surrogate)	METHOD	MB122896	1.00	90	81-117%	%recovery
romofluorobenzene (surrogate)	METHOD	MB122896	1.00	89	74-141%	%recovery

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 12/29/96

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB122996	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB122996	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB122996	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB122996	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB122996	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB122996	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB122996	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB122996	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB122996	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB122996	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB122996	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB122996	1.00	ND	1.00	ug/L
Toluene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB122996	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB122996	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB122996	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB122996	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB122996	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB122996	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB122996	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB122996	1.00	ND	1.00	ug/L

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QUALITY ASSURANCE REPORT

A Method 8260 / 524.2 DATE ANALYZED: 12/29/96

BLANKS

ST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
s-1,3-Dichloropropene	METHOD	MB122996	1.00	ND	1.00	ug/L
ans-1,3-Dichloropropene	METHOD	MB122996	1.00	ND	1.00	ug/L
hylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
xachlorobutadiene	METHOD	MB122996	1.00	ND	1.00	ug/L
opropylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
Isopropyltoluene	METHOD	MB122996	1.00	ND	1.00	ug/L
phthalene	METHOD	MB122996	1.00	ND	1.00	ug/L
Propylbenzene	METHOD	MB122996	1.00	ND	1.00	ug/L
yrene	METHOD	MB122996	1.00	ND	1.00	ug/L
romofluorometh (surrogate)	METHOD	MB122996	1.00	101	86-118%	%recovery
-Toluene (surrogate)	METHOD	MB122996	1.00	94	81-117%	%recovery
omofluorobenzene (surrogate)	METHOD	MB122996	1.00	89	74-121%	%recovery

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 12/30/96

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB123096	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB123096	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB123096	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB123096	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB123096	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB123096	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB123096	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB123096	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB123096	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB123096	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB123096	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB123096	1.00	ND	1.00	ug/L
Toluene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB123096	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB123096	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB123096	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB123096	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB123096	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB123096	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB123096	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB123096	1.00	ND	1.00	ug/L

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QUALITY ASSURANCE REPORT

'A Method 8260 / 524.2 DATE ANALYZED: 12/30/96

BLANKS

ST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
s-1,3-Dichloropropene	METHOD	MB123096	1.00	ND	1.00	ug/L
ans-1,3-Dichloropropene	METHOD	MB123096	1.00	ND	1.00	ug/L
ylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
achlorobutadiene	METHOD	MB123096	1.00	ND	1.00	ug/L
opropylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
Isopropyltoluene	METHOD	MB123096	1.00	ND	1.00	ug/L
phthalene	METHOD	MB123096	1.00	ND	1.00	ug/L
Propylbenzene	METHOD	MB123096	1.00	ND	1.00	ug/L
yrene	METHOD	MB123096	1.00	ND	1.00	ug/L
-Bromofluorometh (surrogate)	METHOD	MB123096	1.00	96	86-118%	%recovery
3-Toluene (surrogate)	METHOD	MB123096	1.00	95	81-117%	%recovery
romofluorobenzene (surrogate)	METHOD	MB123096	1.00	89	74-121%	%recovery

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CORE LABORATORIES

QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 12/31/96

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB123196	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB123196	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB123196	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB123196	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB123196	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB123196	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB123196	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB123196	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB123196	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB123196	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB123196	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB123196	1.00	ND	1.00	ug/L
Toluene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB123196	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB123196	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB123196	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB123196	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB123196	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB123196	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB123196	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB123196	1.00	ND	1.00	ug/L

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QUALITY ASSURANCE REPORT

Method 8260 / 524.2

DATE ANALYZED: 12/31/96

BLANKS

T DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
is-1,3-Dichloropropene	METHOD	MB123196	1.00	ND	1.00	ug/L
ns-1,3-Dichloropropene	METHOD	MB123196	1.00	ND	1.00	ug/L
ylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
xachlorobutadiene	METHOD	MB123196	1.00	ND	1.00	ug/L
sopropylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
Isopropyltoluene	METHOD	MB123196	1.00	ND	1.00	ug/L
hthalene	METHOD	MB123196	1.00	ND	1.00	ug/L
ropylbenzene	METHOD	MB123196	1.00	ND	1.00	ug/L
rene	METHOD	MB123196	1.00	ND	1.00	ug/L
romofluorometh (surrogate)	METHOD	MB123196	1.00	123	86-118%	%recovery
Toluene (surrogate)	METHOD	MB123196	1.00	93	81-117%	%recovery
mofluorobenzene (surrogate)	METHOD	MB123196	1.00	97	74-121%	%recovery

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 01/02/97

BLANKS

TEST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB010297	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB010297	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB010297	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB010297	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB010297	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB010297	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB010297	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB010297	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB010297	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB010297	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB010297	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB010297	1.00	ND	1.00	ug/L
Toluene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB010297	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB010297	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB010297	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB010297	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB010297	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB010297	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB010297	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB010297	1.00	ND	1.00	ug/L

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QUALITY ASSURANCE REPORT

PA Method 8260 / 524.2 DATE ANALYZED: 01/02/97

BLANKS

EST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
is-1,3-Dichloropropene	METHOD	MB010297	1.00	ND	1.00	ug/L
ans-1,3-Dichloropropene	METHOD	MB010297	1.00	ND	1.00	ug/L
thylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
exachlorobutadiene	METHOD	MB010297	1.00	ND	1.00	ug/L
sopropylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
-Isopropyltoluene	METHOD	MB010297	1.00	ND	1.00	ug/L
aphthalene	METHOD	MB010297	1.00	ND	1.00	ug/L
-Propylbenzene	METHOD	MB010297	1.00	ND	1.00	ug/L
tyrene	METHOD	MB010297	1.00	ND	1.00	ug/L
-Bromofluorometh (surrogate)	METHOD	MB010297	1.00	96	86-118%	%recovery
3-Toluene (surrogate)	METHOD	MB010297	1.00	98	81-117%	%recovery
romofluorobenzene (surrogate)	METHOD	MB010297	1.00	88	74-121%	%recovery

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 01/05/97

BLANKS

TEST DESCRIPTION	ANALYS. SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Benzene	METHOD	MB010597	1.00	ND	1.00	ug/L
Bromobenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
Bromodichloromethane	METHOD	MB010597	1.00	ND	1.00	ug/L
Bromoform	METHOD	MB010597	1.00	ND	1.00	ug/L
Bromomethane	METHOD	MB010597	1.00	ND	1.00	ug/L
n-Butylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
sec-Butylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
tert- Butylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
Chlorobenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
Chloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
Chloroform	METHOD	MB010597	1.00	ND	1.00	ug/L
Chloromethane	METHOD	MB010597	1.00	ND	1.00	ug/L
2-Chlorotoluene	METHOD	MB010597	1.00	ND	1.00	ug/L
4-Chlorotoluene	METHOD	MB010597	1.00	ND	1.00	ug/L
Dibromomethane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2-Dibromomethane	METHOD	MB010597	1.00	ND	1.00	ug/L
Dibromochloromethane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2-Dichlorobenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,3-Dichlorobenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,4-Dichlorobenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,1-Dichloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2-Dichloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,1-Dichloroethene	METHOD	MB010597	1.00	ND	1.00	ug/L
cis-1,2-Dichloroethene	METHOD	MB010597	1.00	ND	1.00	ug/L
trans-1,2-Dichloroethene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2-Dichloropropane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,1,2,2-Tetrachloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
Tetrachloroethene	METHOD	MB010597	1.00	ND	1.00	ug/L
Toluene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,1,1-Trichloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,1,2-Trichloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
Trichloroethene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,1,1,2-Tetrachloroethane	METHOD	MB010597	1.00	ND	1.00	ug/L
Trichlorofluoromethane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2,3-Trimethylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2,4-Trimethylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2,5-Trimethylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
1,2,3-Trichlorobenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
Vinyl chloride	METHOD	MB010597	1.00	ND	1.00	ug/L
Total xylenes	METHOD	MB010597	1.00	ND	1.00	ug/L
Methylene Chloride	METHOD	MB010597	1.00	ND	3.00	ug/L
Dibromochloropropane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,3-Dichloropropane	METHOD	MB010597	1.00	ND	1.00	ug/L
2,2-Dichloropropane	METHOD	MB010597	1.00	ND	1.00	ug/L
1,3-Dichloropropene	METHOD	MB010597	1.00	ND	1.00	ug/L
Dichlorodifluoromethane	METHOD	MB010597	1.00	ND	1.00	ug/L

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QUALITY ASSURANCE REPORT

A Method 8260 / 524.2 DATE ANALYZED: 01/05/97

BLANKS

ST DESCRIPTION	ANALYS.SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
s-1,3-Dichloropropene	METHOD	MB010597	1.00	ND	1.00	ug/L
ans-1,3-Dichloropropene	METHOD	MB010597	1.00	ND	1.00	ug/L
hylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
xachlorobutadiene	METHOD	MB010597	1.00	ND	1.00	ug/L
opropylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
Isopropyltoluene	METHOD	MB010597	1.00	ND	1.00	ug/L
ohthalene	METHOD	MB010597	1.00	ND	1.00	ug/L
Propylbenzene	METHOD	MB010597	1.00	ND	1.00	ug/L
rene	METHOD	MB010597	1.00	ND	1.00	ug/L
Bromofluorometh (surrogate)	METHOD	MB010597	1.00	94	86-118%	%recovery
-Toluene (surrogate)	METHOD	MB010597	1.00	89	81-117%	%recovery
omofluorobenzene (surrogate)	METHOD	MB010597	1.00	90	74-121%	%recovery

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QUALITY ASSURANCE REPORT

EPA Method 8260 / 524.2

DATE ANALYZED: 12/19/96

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	UNITS	PERCENT RECOVERY	RPD	QC LIMITS %REC	QC LIMITS RPD
Benzene	BLANK	BS121996	10	0.0	10.0	ug/L	100	5.1	76-127	11
	BLANK DUP	BS121996	9.5	0.0	10.0	ug/L	95			
Chlorobenzene	BLANK	BS121996	10.4	0.0	10.0	ug/L	104	1.0	75-130	13
	BLANK DUP	BS121996	10.5	0.0	10.0	ug/L	105			
1,1-Dichloroethane	BLANK	BS121996	10.5	0.0	10.0	ug/L	105	3.7	61-145	14
	BLANK DUP	BS121996	10.9	0.0	10.0	ug/L	109			
Trichloroethene	BLANK	BS121996	10.6	0.0	10.0	ug/L	106	6.5	71-120	14
	BLANK DUP	BS121996	9.93	0.0	10.0	ug/L	99			
Toluene	BLANK	BS121996	10.5	0.0	10.0	ug/L	105	8.5	76-125	13
	BLANK DUP	BS121996	9.64	0.0	10.0	ug/L	96			
2-Bromofluorometh (SURR)	BLANK	BS121996	98	0.0	100.0	%rec	98		86-118%	N/A
	BLANK DUP	BS121996	100	0.0	100.0	%rec	100			
d8-Toluene (SURR)	BLANK	BS121996	100	0.0	100.0	%rec	100		81-117%	N/A
	BLANK DUP	BS121996	100	0.0	100.0	%rec	100			
4-Bromofluorobenzene	BLANK	BS121996	102	0.0	100.0	%rec	102		74-121%	N/A
	BLANK DUP	BS121996	106	0.0	100.0	%rec	106			

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CORE LABORATORIES

QUALITY ASSURANCE REPORT

Method 8260 / 524.2 DATE ANALYZED: 12/29/96

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	UNITS	PERCENT RECOVERY	RPD	QC LIMITS %REC	QC LIMITS RPD
nzene	BLANK	BS122996	9.45	0.0	10.0	ug/L	95	10.9	76-127	11
	BLANK DUP	BS122996	10.54	0.0	10.0	ug/L	105			
Chlorobenzene	BLANK	BS122996	9.46	0.0	10.0	ug/L	95	11.3	75-130	13
	BLANK DUP	BS122996	10.59	0.0	10.0	ug/L	106			
-Dichloroethane	BLANK	BS122996	9.93	0.0	10.0	ug/L	99	5.6	61-145	14
	BLANK DUP	BS122996	10.5	0.0	10.0	ug/L	105			
richloroethene	BLANK	BS122996	9.6	0.0	10.0	ug/L	96	4.1	71-120	14
	BLANK DUP	BS122996	10	0.0	10.0	ug/L	100			
luene	BLANK	BS122996	9.97	0.0	10.0	ug/L	100	5.7	76-125	13
	BLANK DUP	BS122996	10.56	0.0	10.0	ug/L	106			
Bromofluorometh (SURR)	BLANK	BS122996	104	0.0	100.0	%rec	104		86-118%	N/A
	BLANK DUP	BS122996	98	0.0	100.0	%rec	98			
d8-Toluene (SURR)	BLANK	BS122996	93	0.0	100.0	%rec	93		81-117%	N/A
	BLANK DUP	BS122996	102	0.0	100.0	%rec	102			
Bromofluorobenzene	BLANK	BS122996	96	0.0	100.0	%rec	96		74-121%	N/A
	BLANK DUP	BS122996	105	0.0	100.0	%rec	105			

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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CORE LABORATORIES

QUALITY ASSURANCE REPORT

:PA Method 8260 / 524.2

DATE ANALYZED: 12/30/96

MATRIX SPIKES

EST ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	UNITS	PERCENT RECOVERY	RPD	QC LIMITS %REC	QC LIMITS RPD
3enzene	BLANK	BS123096	9.74	0.0	10.0	ug/L	97	5.4	76-127	11
	BLANK DUP	BS123096	9.23	0.0	10.0	ug/L	92			
'hlorobenzene	BLANK	BS123096	9.87	0.0	10.0	ug/L	99	9.0	75-130	13
	BLANK DUP	BS123096	10.8	0.0	10.0	ug/L	108			
1,1-Dichloroethane	BLANK	BS123096	9.68	0.0	10.0	ug/L	97	7.2	61-145	14
	BLANK DUP	BS123096	10.4	0.0	10.0	ug/L	104			
Trichloroethene	BLANK	BS123096	9.72	0.0	10.0	ug/L	97	0.4	71-120	14
	BLANK DUP	BS123096	9.68	0.0	10.0	ug/L	97			
Toluene	BLANK	BS123096	9.65	0.0	10.0	ug/L	97	2.8	76-125	13
	BLANK DUP	BS123096	9.92	0.0	10.0	ug/L	99			
2-Bromofluorometh (SURR)	BLANK	BS123096	90	0.0	100.0	%rec	90		86-118%	N/A
	BLANK DUP	BS123096	93	0.0	100.0	%rec	93			
d8-Toluene (SURR)	BLANK	BS123096	97	0.0	100.0	%rec	97		81-117%	N/A
	BLANK DUP	BS123096	94	0.0	100.0	%rec	94			
4-Bromofluorobenzene	BLANK	BS123096	96	0.0	100.0	%rec	96		74-121%	N/A
	BLANK DUP	BS123096	94	0.0	100.0	%rec	94			

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CORE LABORATORIES

QUALITY ASSURANCE FOOTER

METHOD REFERENCES

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, November 1990, and July 1992 update
(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

COMMENTS

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report are within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on actual laboratory performance or on limits specified in the referenced method. The date and time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples. All data reported on an "as received" basis unless otherwise indicated. Data reported in the QA report may be lower than sample data due to dilution of samples into the calibration range of the analysis. Sample concentrations for solid samples are calculated on an as received (wet) basis. Unless otherwise indicated, volatiles by gas chromatograpy are reported from a single column. Volatiles analyses on low level soils are conducted at room temperature.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

NA = Not analyzed
N/A = Not applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites, but does not Sustain Ignition
RPD = Relative Percent Difference
ND = Not detected at a value greater than the reporting limit
NC = Not calculable due to values lower than the detection limit
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h) = High dilution due to matrix effects
(i) = Samples with results below 500 mg/L are considered hazardous

QC SAMPLE IDENTIFICATIONS

MB = Method Blank
RB = Reagent Blank
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CS = Calibration Standard
ICB = Initial Calibration Verification
CCV = Continuing Calibration Verification
SB = Storage Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
MD = Matrix Duplicate
BS = Blank Spike
SS = Surrogate Spike
LCS = Laboratory Control Standard
RS = Reference Standard

SUBCONTRACTED LABORATORY LOCATIONS

Core Laboratories:	Aurora, Colorado(ELAP #1933)	*AU
	Casper, Wyoming	*CA
	Corpus Christi, Texas	*CC
	Houston, Texas	*HP
	Lake Charles, Louisiana	*LC
	Long Beach, California	*LB
Aquatic Testing Laboratories:		
	Ventura, California	*AT

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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CORELAB

CORE LABORATORIES, INC.

NO. 00200

CHAIN OF CUSTODY RECORD

Pg 1 of 2

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Powerine / TRIHydro	PROJECT NAME/NUMBER: 063-004
SEND REPORT TO: Mark Winefield / Linda Barnes	BILLING INFORMATION
ADDRESS: TRIHydro Corp	BILL TO: Powerine Oil Comp.
920 Sheridan St	ADDRESS: 12354 Lakeland Rd
Laramie, Wyo 82070	Santa Fe Springs, CA, 90670
PHONE: 310-944-6111 / 307-745-7474	PHONE:
FAX: / 307-745-7729	FAX: PO NO.

LAB JOB NO. 962927

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	8260 + MTBE	TPH as Gasoline - MOD 8015							REMARKS / PRECAUTIONS
1	MW-202	12/17/96	1710	GW	Glass	HCL	3	X	X							Samples placed
2	MW-204		1640													immediately on ice
3	MW-101		1350													
4	MW-103		1515													
5	MW-201		1610													* Notice - TUEVARAM
6	MW-106		1100													
7	MW-604		925													
8	MW-607		1000													
9	MW-107		745													
10	MW-203		810													

SAMPLER: EW/TC/MC

SHIPMENT METHOD:

AIRBILL NO.

REQUIRED TURNAROUND:* [ ] SAME DAY [ ] 24 HOURS [ ] 48 HOURS [ ] 72 HOURS [X] 5 DAYS [ ] 10 DAYS [ ] ROUTINE [ ] OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: E Warden	12/18/96	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: ERIC WARDEN / TRIHydro	TIME 945	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Manuel Hernandez	12/18/96	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Manny Core Lab	TIME 9:45	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ Anaheim, CA
1250 E. Gene Autry Way
Anaheim, CA 92805
(714) 937-1094 Fax (714) 937-1170

☐ Aurora, CO
10703 E. Bethany Drive
Aurora, CO 80014
(303) 751-1780 Fax (303) 751-1784

☐ Casper, WY
420 W. First Street
Casper, WY 82601
(307) 235-5741 Fax (307) 266-1676

☐ Corpus Christi, TX
1733 N. Padre Island Drive
Corpus Christi, TX 78408
(512) 289-2673 Fax (512) 289-2471

☐ Edison, NJ
284 Raritan Center Parkway
Edison, NJ 08837
(908) 225-6700 Fax (908) 225-6777

☐ Houston, TX (Env)
6310 Rothway Drive
Houston, TX 77040
(713) 690-4444 Fax (713) 690-5646

☐ Houston, TX (Pet)
8210 Mosley Road
Houston, TX 77075
(713) 943-9776 Fax (713) 943-3846

☐ Indianapolis, IN
7726 Moller Road
Indianapolis, IN 46268
(317) 875-5894 Fax (317) 872-6189

☐ Lake Charles, LA
3645 Beglis Parkway
Sulphur, LA 70663
(318) 583-4926 Fax (318) 583-4929

☐ Long Beach, CA
3700 Cherry Avenue
Long Beach, CA 90807
(310) 595-8401 Fax (310) 427-5174

☐ Tampa, FL
5460 Beaumont Center Blvd.
Tampa, FL 33634
(813)884 8268 Fax (813) 885 4938

☐ Valparaiso, IN
2400 Cumberland Drive
Valparaiso, IN 46383
(219) 464-2389 Fax (219) 462-2953

OFFICIAL

CORE LAB

CORE LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Pg 2 of 2

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Powerine / TRIHydro	PROJECT NAME/NUMBER: 063-004
SEND REPORT TO: MATT Winefield / Linda Barnes	BILLING INFORMATION
ADDRESS: TRIHydro Corp	BILL TO: Powerine Oil Comp.
920 Sheridan St	ADDRESS: 12354 Lakeland Rd
Laramie, Wyo 82070	Santa Fe Springs, CA 90670
PHONE: 307-745-7474 / 310-944-6111	PHONE: 310-944-6111
FAX: 307-745-7729	FAX: PO NO.:

LAB JOB NO. 962927

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: 8260 + MTBE	TPH as gasoline - MOD. 8015							REMARKS / PRECAUTIONS
~~11~~	MW-205	12/16/96	1700	GW	Glass	HCL	3	X	X							samples placed
~~12~~	MW-603	↓	1600	↓	↓	↓	↓	↓	↓							immediately on ice
~~13~~	MW-104		1235													
~~14~~	MW-606		1510													
~~15~~	MW-605		1432													*Notice - Turnaround
~~16~~	MW-105		1145													
~~17~~	EB-1216		1132													
~~18~~	FB-1216	↓	1130													
~~19~~	FB-1217	12/17/96	705													
~~20~~	EB-1217	12/17/96	740	↓	↓	↓	↓	↓	↓							

SAMPLER: SHIPMENT METHOD: AIRBILL NO.:

REQUIRED TURNAROUND:* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: [signature]	12/18/96	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: ERIC WORDEN / TRIHydro	TIME 945	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Manuel Hay	12/18/96	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Manny Core Lab	TIME 9:45	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ **Anaheim, CA** 1250 E. Gene Autry Way Anaheim, CA 92805 (714) 937-1094 Fax (714) 937-1170

☐ **Aurora, CO** 10703 E. Bethany Drive Aurora, CO 80014 (303) 751-1780 Fax (303) 751-1784

☐ **Casper, WY** 420 W. First Street Casper, WY 82601 (307) 235-5741 Fax (307) 266-1676

☐ **Corpus Christi, TX** 1733 N. Padre Island Drive Corpus Christi, TX 78408 (512) 289-2673 Fax (512) 289-2471

☐ **Edison, NJ** 284 Raritan Center Parkway Edison, NJ 08837 (908) 225-6700 Fax (908) 225-6777

☐ **Houston, TX (Env)** 6310 Rothway Drive Houston, TX 77040 (713) 690-4444 Fax (713) 690-5646

☐ **Houston, TX (Pet)** 8210 Mosley Road Houston, TX 77075 (713) 943-9776 Fax (713) 943-3846

☐ **Indianapolis, IN** 7726 Moller Road Indianapolis, IN 46268 (317) 875-5894 Fax (317) 872-6189

☐ **Lake Charles, LA** 3845 Beglis Parkway Sulphur, LA 70663 (318) 583-4926 Fax (318) 583-4929

☐ **Long Beach, CA** 3700 Cherry Avenue Long Beach, CA 90807 (310) 595-8401 Fax (310) 427-5174

☐ **Tampa, FL** 5460 Beaumont Center Blvd Tampa, FL 33634 (813)884 8268 Fax (813) 885-4938

☐ **Valparaiso, IN** 2400 Cumberland Drive Valparaiso, IN 46383 (219) 464 2389 Fax (219) 462-2953

ORIGINAL

CORELAB

CORE LABORATORIES, INC.

NO. 80207

CHAIN OF CUSTODY RECORD

Pg 1 of 2

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Powerine/TRI Hydro	PROJECT NAME/NUMBER: 063-004
SEND REPORT TO: Matt Winefield / Linda Barnes	BILLING INFORMATION
ADDRESS: TRI Hydro Corp	BILL TO: Powerine Oil Co
920 Sheridan St	ADDRESS: 12354 Lakeland Rd
Laramie, WYO	Santa Fe Springs, CA 90670
PHONE: 307-745-7474	PHONE: 310-944-6111
FAX: 307-745-7729	FAX: PO NO.:

LAB JOB NO.:

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	8260 + MTBE	TPH as GASOLINE-MOD. 8015						REMARKS / PRECAUTIONS
~~21~~	MW-504	12/18/96	1605	GW	Glass	HCL	3	*	*						samples placed
~~22~~	MW-502	↓	1530	↓	↓	↓	↓	↓	↓						immediately on ice
~~23~~	MW-501		1450												
~~24~~	MW-503		1150												
~~25~~	MW-206		1410												
~~26~~	EB-1218		815												*Notice Turnaround
~~27~~	W-3		1100												
~~28~~	W-1		1005												
~~29~~	W-4		910												
~~30~~	FB-1218		745												

SAMPLER: EW/TC/MC

SHIPMENT METHOD: Courier

AIRBILL NO.:

REQUIRED TURNAROUND:* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ROUTINE OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: [signature]	12/19/96	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME 1010	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY	TIME
1. RECEIVED BY:	DATE	**2. RECEIVED BY:**	DATE	**3. RECEIVED BY:**	DATE
SIGNATURE: [signature]	12/19/96	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Mallard / Core lab	TIME 10:15	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ **Anaheim, CA** 1250 E. Gene Autry Way, Anaheim, CA 92805, (714) 937-1094 Fax (714) 937-1170

☐ **Aurora, CO** 10703 E. Bethany Drive, Aurora, CO 80014, (303) 751-1780 Fax (303) 751-1784

☐ **Casper, WY** 420 W. First Street, Casper, WY 82601, (307) 235-5741 Fax (307) 266-1676

☐ **Corpus Christi, TX** 1733 N. Padre Island Drive, Corpus Christi, TX 78408, (512) 289-2673 Fax (512) 289-2471

☐ **Edison, NJ** 284 Raritan Center Parkway, Edison, NJ 08837, (908) 225-6700 Fax (908) 225-6777

☐ **Houston, TX (Env)** 6310 Rothway Drive, Houston, TX 77040, (713) 690-4444 Fax (713) 690-5648

☐ **Houston, TX (Pet)** 8210 Mosley Road, Houston, TX 77075, (713) 943-9776 Fax (713) 943-3846

☐ **Indianapolis, IN** 7726 Moller Road, Indianapolis, IN 46268, (317) 875-5894 Fax (317) 872-6189

☐ **Lake Charles, LA** 3645 Beglis Parkway, Sulphur, LA 70663, (318) 583-4926 Fax (318) 583-4929

☐ **Long Beach, CA** 3700 Cherry Avenue, Long Beach, CA 90807, (310) 595-8401 Fax (310) 427-5174

☐ **Tampa, FL** 5460 Beaumont Center Blvd., Tampa, FL 33634, (813)884-8268 Fax (813) 885-4938

☐ **Valparaiso, IN** 2400 Cumberland Drive, Valparaiso, IN 46383, (219) 464-2389 Fax (219) 462-2953

ORIGINAL

CHAIN OF CUSTODY RECORD

BCA Log Number Pg 2 of 2

Client name: Powerine / TRI Hydro	Project or PO#: 063-004
Address: See pg #1	Phone #:
City, State, Zip:	Report attention: Matt Winefield / Linda Bacu

Sampled by: EW, TC, MC

Analyses required: 8260 + MTBE; TPH as GASOLINE-MUD 8015

Lab Sample number	Date sampled	Time sampled	Type* See key below	Sample description	Number of containers	8260 + MTBE	TPH as GASOLINE-MUD 8015						Hazardous sample Special handling required	Remarks
~~31~~	12/18/96	0820	GW	W-2	3	*	*							Samples placed
* ~~32~~	12/19/96	0832	↓	EB-1218	↓	↓	↓							immediately on ice
* ~~33~~	↓	830	↓	FB-1218	↓	↓	↓							
* 34	↓	0900	↓	MW-600	↓	↓	↓							
35	↓	0950	↓	MW-601	↓	↓	↓							

	Signature	Print Name	Company	Date	Time
Relinquished by	E Worden	ERIC WORDEN	TRI Hydro	12/19/96	1010
Received by	Manuel [illegible]	Manny	Core lab	12/19/96	10:15
Relinquished by					
Received by					
Relinquished by					
Received by Laboratory					

B C ANALYTICAL

- ☐ 1085 Shary Circle, Concord, CA 94518 (510) 825-3894
- ☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737
- ☐ 1200 Gene Autry Way, Anaheim, CA 92805 (714) 978-0113

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.

Disposal arrangements: _____

*KEY: AG—Aqueous NA—Nonaqueous SL—Sludge GW—Groundwater SO—Soil PE—Petroleum

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-101 Time 1325 Date 12/17/96

Total Depth 90.25 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 75.61 ft Gallons/ Casing volume ≈ 11 gal

Water Column 14.64 ft Total Purge Volume ~23 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
11 gal	1340	6.64	1965	22.5	GRAYISH GREEN HIGH TURBID., FL. WHITE PARTICLES DK. GREEN SILT, NO SHEEN. HYDROCARBON ODOR
22 gal	1345	6.64	1866	22.2	SAME
23 gal SAMPLE	1350	6.68	1911	19.5	SAME

Remarks AMBIENT AIR HAS VAPOR

Changed Cond. meters

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-103 Time 1448 Date 12/17/96

Total Depth 92.41 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 81.24 ft Gallons/ Casing volume 27.5 gal

Water Column 11.17 ft Total Purge Volume ~15.0 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
~7.5	1503	6.62	2940	24.7	DK Green, HC ODOR High turb, No sheen, Green Silts
~15.0	1507	6.59	2870	24.7	SAME
sample	1515	6.58	2870	24.3	DK Green, High TURB, HC ODOR,
					No sheen, Silts - Green

Remarks 3 VOAs, 1250 ml Plastic

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-104 Time 1202 Date 12/16/96

Total Depth 92 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 77.38 ft Gallons/ Casing volume ~210 gal

Water Column 14.62 ft Total Purge Volume ~220 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
10 gal	1222	6.66	2030	25.4	No sheen or HC odor clear to slight cloudy
20 gal	1229	6.70	2960	24.9	cloudy, no sheen or odor
Sample	1235	6.70	2020	24.6	cloudy to clear, no sheen/odor

Remarks 3 VOAs; 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number _____

Well Designation MW-105 Time 1057 Date 12/16/96

Total Depth 100.20 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 75.12 ft Gallons/ Casing volume 16.8 gal

Water Column 25.08 ft Total Purge Volume ~40 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
~17 gal	1121	6.46	2400	23.1	No sheen. gray, turbid, HC odor
30 gal	1132	6.56	2280	22.6	No sheen gray, cloudy, slight HC odor
			~~2310~~		
Sample	1145	6.67	2310	22.5	gray, cloudy, v. slight HC odor

Remarks 3 VOAs, 1250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-106 Time 1100 Date 12/17/96

Total Depth 106.7 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 82.05 ft Gallons/ Casing volume ≈ 17 gal

Water Column 24.65 ft Total Purge Volume 34 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
17	10:45	6.75	2360	27.9	DARK GREEN, NO ODOR, HIGH TURBIDITY NO SHEEN, DARK GREEN SILT
34	10:53	6.78	~~2300~~ 2310	24.3	DARK GREEN, NO ODOR, HIGH TURBIDITY NO SHEEN, DK. GREEN SILT
SAMPLE	1100	6.85	2100	24.2	DK. GREEN, NO ODOR, HIGH TURBID. NO SHEEN, DK. GREEN SILT

Remarks 3-VOAS, 1-250 ml PLASTIC

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number _____

Well Designation MW-107 Time 700 Date 12/17/96

Total Depth 107.4 ft Well Diameter 4 in

Depth to Hydrocarbon _____ ft Gallons/ft 0.67 gal

Depth to Water 89.85 ft Gallons/ Casing volume ~12 gal

Water Column 17.55 ft Total Purge Volume ~24 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
12 gal	0722	6.97	2960	19.4	Turbid Gray-green; sulfur odor
~24 gal	0729	7.07	2980	21.1	Turbid gray-green; S odor
Sample	0745	7.06	3130	21.6	Turbid, gray-green; S odor

Remarks 3 VOAs, 1 250ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-201 Time 1544 Date 12/17/96

Total Depth 101.65 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 76.93 ft Gallons/ Casing volume ~17 gal

Water Column 24.72 ft Total Purge Volume ~25 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
17	1557	6.78	1960	22.0	No sheen Slightly turbid, faint HC odor
25	1600	6.72	2140	22.6	SAME
SAMPLE	1610	6.99	1840	21.8	SAME

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-202 Time 1650 Date 12/17/96

Total Depth 92.47 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 81.78 ft Gallons/ Casing volume ~7 gal

Water Column 10.69 ft Total Purge Volume ~14 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
7 gal	1658	6.82	2200	22.5	clear to cloudy, faint HC odor
14 gal	1700	6.85	2210	22.9	Cloudy, grey-green, HC odor
SAMPLE	1710	7.06	2100	22.8	SAME

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number _____

Well Designation MW-203 Time 749 Date 12/17/96

Total Depth 107.8 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 87.03 ft Gallons/ Casing volume 2 14 gal

Water Column 20.77 ft Total Purge Volume 223 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
14 gal	0800	6.89	2410 ~~2500~~	19.2 ~~17.2~~	Very faint HC odor? Clear to slightly cloudy
22 gal	0805	6.88	2090	21.5	Slightly turbid, no HC odor
23 gal Sample	0810	7.00	2340	21.6	Slightly turbid, no HC odor

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-204 Time 1621 Date 12/17/96

Total Depth 100.00 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 82.42 ft Gallons/ Casing volume ~12 gal

Water Column 17.58 ft Total Purge Volume ~19 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
12 gal	1632	6.79	2220	24.1	Green gray, HC odor, turbid
19 gal	1635	6.73	2220	24.6	SAME
SAMPLE	1640	6.82	2170	23.9	SAME

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number _____

Well Designation MW-205 Time 1632 Date 12/16/96

Total Depth 98.10 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 76.09 ft Gallons/ Casing volume ~15 gal

Water Column 22.01 ft Total Purge Volume 30 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
15 gal	1645	6.78	1990	22.0	clear, no sheen or HC odor
30 gal	1652	6.91	2020	21.7	clear to cloudy
Sample	1700	7.07	2000	21.9	clear to slightly cloudy

Remarks Well location and casing (mc) exhibits HC odor, stale bilge odor, but no apparent HC odor from purge water. 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-206 Time 1352 Date 12/18/96

Total Depth 99.50 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 79.40 ft Gallons/ Casing volume ~13 gal

Water Column 20.10 ft Total Purge Volume ~30 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
13 gal	1401	6.72	2180	23.1	No sheen slight turbid; HC odor
26 gal	1405	6.62	2180	22.6	AS ABOVE
SAMPLE	1410	6.60	2160	22.8	AS ABOVE

Remarks Possible surface contam. at well head from standing water. Trace of sheen in purge barrel, strong HC odor w/initial bailing.
3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-501 Time 1428 Date 12/18/96

Total Depth 99.40 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 78.67 ft Gallons/ Casing volume 214 gal

Water Column 20.73 ft Total Purge Volume 225 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
14 gal	1441	6.78	2340	23.2	HC sheen & odor Gray, turbid.
25 gal	1445	6.69	2260	22.7	SAME AS ABOVE
SAMPLE	1450	6.76	2230	22.7	SAME AS ABOVE

Remarks Strong HC odor & visible fumes @ well head; sheen on purge water. 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-502 Time 1501 Date 12/18/96

Total Depth 103.1 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 80.68 ft Gallons/ Casing volume 2.15 gal

Water Column 22.42 ft Total Purge Volume 30 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
15 gal	1518	6.60	3060	22.3	sheen & HC odor Grey turbid
30 gal	1524	6.57	2980	22.5	AS ABOVE
SAMPLE	1530	6.65	2990	22.1	AS ABOVE

Remarks Sheen present on purge water

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-503 Time 1130 Date 12/18/96

Total Depth 110.2 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 79.31 ft Gallons/ Casing volume ~20 gal

Water Column 30.89 ft Total Purge Volume 32 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
20 gal	1141	7.15	1000	22.3	No sheen; HC odor Gray, turbid, silty
32 gal	1146	7.23	1600	22.6	SAME AS ABOVE
SAMPLE	1150	7.16	1610	23.1	SAME AS ABOVE

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-504 Time 1539 Date 12/18/96

Total Depth 95.88 ft Well Diameter 4 in

Depth to Hydrocarbon 78.85' ft Gallons/ft 0.67 gal

Depth to Water 79.15 ft Gallons/ Casing volume ~11 gal

Water Column 16.73 ft Total Purge Volume ~19 gal

Not corrected for product.

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
11 gal	1555	6.80	2140	22.9	Product on surface Water is slightly turbid
19 gal	1601	6.67	1860	21.8	AS ABOVE
SAMPLE	1605	6.75	1430	21.2	Sheen, strong HC odor Gray, turbid

Remarks Free phase HC encountered, thickness = 0.3'.
3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-600 Time 0823 Date 12/19/96

Total Depth 100.67 ft Well Diameter 4 in

Depth to Hydrocarbon 71.35 ft Gallons/ft 0.67 gal

Depth to Water 73.90 ft Gallons/ Casing volume 2 18 gal

Water Column 26.77 ft Total Purge Volume 228 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
18 gal	0847	6.63	1800	22.2	Sheen/product on surface Gray water, turbid.
28 gal	0852	6.58	1900	22.7	Sheen Gray, turbid
SAMPLE	0900	6.59	1800	22.6	Gray, turbid, HC odor

Remarks Free phase HC encountered (Product thickness = 2.55')
3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-601 Time 0917 Date 12/19/96

Total Depth 113.75 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 77.57 ft Gallons/ Casing volume ~24 gal

Water Column 36.18 ft Total Purge Volume ~31 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
24 gal	0942	6.63	1700	22.1	Gray, turbid, HC sheen/odor
31 gal	0945	6.43	1700	22.2	AS ABOVE
SAMPLE	0950	6.58	1700	21.7	As above

Remarks Free phase HC on surface of purge water.
3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-0021

Well Designation MW-603 Time 1530 Date 12/16/96

Total Depth 97.7 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 72.39 ft Gallons/ Casing volume 17 gal

Water Column 25.31 ft Total Purge Volume 51 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
17	1548	6.54	1999	22.2	DK Brown, High turb, No sheen
~34	1555	6.57	1918	22.5	DK Brown, High turb, no sheen
SAMPLED	1600	6.56	~~2028~~ 1864	20.8	DK. Brown, High turb
					No sheen,

Remarks 3 VOAs, 1 250 ml plastic

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-604 Time 0902 Date 12/17/96

Total Depth 103.10 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 89.57 ft Gallons/ Casing volume 9 gal

Water Column 13.53 ft Total Purge Volume ~18 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
9	915	6.73	2800	22.1	DK Grey, High turb, HC odor, No sheen
~18	920	6.68	2760	22.3	SAME
SAMPLED	925	6.68	2720	22.6	DK Grey, High turb, No sheen
					HC odor, Grey silt

Remarks

3 VOAs, 1 250 ml plastic

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number _____

Well Designation MW-605 Time 1408 Date 12/16/96

Total Depth 93.90 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 74.06 ft Gallons/ Casing volume ~13 gal

Water Column 19.84 ft Total Purge Volume ~30 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
13	1421	6.72	2060	22.5	No sheen or HC odor Rust colored, cloudy
26	1428	6.73	1944	21.6	Rust colored, cloudy
				~~27~~	
30 gal Sample	1432	6.77	1889	22.0	Rust colored, cloudy

Remarks 3 VOAs; 1 250ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number _____

Well Designation MW-606 Time 1442 Date 12/16/96

Total Depth 99.1 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 77.50 ft Gallons/ Casing volume ~14 gal

Water Column 21.50 ft Total Purge Volume ~28 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
14 gal	1500	6.91	1441	23.3	Cloudy Rust colored, no HC sheen/odor
28 gal	1504	7.02	1526	22.7	Cloudy, rust color
Sample	1510	6.86	1529	23.6	Cloudy, rust color

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation MW-607 Time 939 Date 12/17/96

Total Depth 106.7 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 87.56 ft Gallons/ Casing volume 12.82 gal

Water Column 19.14 ft Total Purge Volume ~26.0 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
~13.0	954	6.75	2670	22.9	gray, HC odor, High turb
~26.0	1000	6.74	2670	22.1	
SAMPLED	1005	6.68	2760	21.7	Grey, High turb,
					No sheen, Grey Silt, HC odor

Remarks 3 VOAs, 1 250 ml plastic

* Missing Bolt

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation N-1 Time 0927 Date 12/18/96

Total Depth 130.16 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 90.10 ft Gallons/ Casing volume ~27 gal

Water Column 40.06 ft Total Purge Volume ~35 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
27 gal	0952	6.80	2860	22.3	Clear to slightly cloudy, HC odor
35 gal	0959	6.75	2910	22.0	SAME AS ABOVE
SAMPLE	1005	6.78	1760	22.1	SAME AS ABOVE

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation W-2 Time 735 Date 12/18/96

Total Depth 130.3 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 88.72 ft Gallons/ Casing volume ~28 gal

Water Column 41.58 ft Total Purge Volume ~45 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
28 gal	0800	6.90	3920	19.2	Gray, turbid, slight HC odor
45 gal	0806	6.93	3900	20.5	AS ABOVE
SAMPLE	0820	6.93	3870	19.1	AS ABOVE

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation W-3 Time 1021 Date 12/18/96

Total Depth 130.38 ft Well Diameter 4 in

Depth to Hydrocarbon _____ ft Gallons/ft 0.67 gal

Depth to Water 90.98 ft Gallons/ Casing volume ~26 gal

Water Column 39.4 ft Total Purge Volume 33 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
26 gal	1048	6.96	3080	21.9	Gray, mod. turbid, No sheen, HC odor
33 gal	1053	6.78	3150	21.7	SAME AS ABOVE
SAMPLE	1100	6.81	3160	22.4	SAME AS ABOVE

Remarks 3 VOAs, 1 250 ml

WELL DEVELOPMENT AND SAMPLING INFORMATION

Project Number 063-004

Well Designation N-4 Time 0827 Date 12/18/96

Total Depth 131.92 ft Well Diameter 4 in

Depth to Hydrocarbon — ft Gallons/ft 0.67 gal

Depth to Water 92.88 ft Gallons/ Casing volume ~26 gal

Water Column 39.04 ft Total Purge Volume ~35 gal

Volume Removed	Time	pH	Sp. Cond.	Temp. °C	Notes
26 gal	0855	6.94	2720	20.8	Cloudy, slight HC odor
35 gal	0901	6.82	2780	21.8	AS ABOVE
SAMPLE	0910	6.81	2840	20.7	AS ABOVE

Remarks 3 VOAs, 1 250 ml

APPENDIX C

GROUNDWATER NATURAL ATTENUATION STUDY

BIOREMEDIATION MONTORING REPORT

FOR

POWERINE OIL COMPANY
12354 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

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FEBRUARY 14, 1997

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Table 1	Dissolved Oxygen Vs. Dissolved Benzene Concentrations
Table 2	Dissolved Oxygen, Benzene, and Carbon Dioxide Concentrations
Table 3	Redox Potential Measurements

Attachments

Attachment 1	Laboratory Analytical Reports and Chain of Custody

1.0 Introduction

Blakely Environmental Investigations, Inc. (BEI, Inc.) was contracted by Powerine Oil Company to identify intrinsic bioremediation of petroleum hydrocarbon aromatic constituents dissolved in groundwater underlaying the refinery site located at 12354 Lakeland Road, Santa Fe Springs, California and at the Walker Property located at the southeast parcel at the intersection of Lakeland Road and Bloomfield Avenue. Measurement of intrinsic biodegradation of the mass of petroleum hydrocarbon constituents dissolved in the groundwater will be accomplished by monitoring depletion of aerobic and anaerobic electron acceptors in areas of groundwater which have been impacted by petroleum hydrocarbons. Initially, dissolved oxygen, the primary electron receptor necessary for petroleum biodegradation, will be the exclusive electron receptor monitored until depletion. At that time lesser preferred electron receptors (nitrate, sulfate, and iron (III)) will be monitored for measurement of petroleum aromatic constituent mass biodegraded by anaerobic processes in the absence of dissolved oxygen. As dissolved oxygen remains available, the microbiological aerobic petroleum degradation process will be characterized through monitoring of the metabolic by-product carbon dioxide to indicate mass reduction of petroleum hydrocarbons. Similar dissolved phase petroleum hydrocarbon impacted sites have shown a distribution of electron receptors, metabolites and dissolved petroleum aromatic constituents demonstrating that aerobic respiration is, initially, the dominant terminal electron accepting process. Further, at similarly impacted sites, anaerobic biodegradation has effectively reduced dissolved petroleum hydrocarbon aromatic constituent mass where replenishment of dissolved oxygen has not been sufficient for aerobic respiration. Therefore, during successive monitoring episodes, lesser preferred biodegradation processes may be evaluated depending upon the anticipated significance of each process.

2.0 Aerobic Biodegradation

Testing for aerobic biodegradation is performed using the Expressed Assimilative Capacity (EAC) for dissolved oxygen, the dominant TEAP (terminal electron accepting process) of aerobic biodegradation. The EAC for a given TEAP is the amount of petroleum hydrocarbon contamination, such as BTEX (benzene, toluene, ethylbenzene, and xylene), that a body of groundwater has shown it has degraded using the stoichiometry of the oxidation reaction. The EAC for aerobic biodegradation of dissolved benzene is derived from the following reaction:

$$7.5\ O_2 + C_6H_6 \Rightarrow 6\ CO_2 + 3\ H_2O$$

From the stoichiometry of aerobic benzene biodegradation, 3.08 mg of oxygen are required to completely metabolize 1 mg of benzene and 1 mg of dissolved oxygen is capable of facilitating the destruction of 0.32 mg of benzene (Wiedemeier, Miller, Wilson, Kampbell, 1995). Similar calculations can be made using the stoichiometry for toluene, ethylbenzene, and xylene

aerobic biodegradation reactions. Using the average mass ratio of dissolved oxygen to total BTEX from the individual compound biodegradation stoichiometry, 1 mg of dissolved oxygen is therefore required to metabolize 0.32 mg of total BTEX. The EAC of groundwater for aerobic respiration is determined as follows:

$$EAC_{DO} = 0.32\ (O_B - O_M)$$

Where: EAC_{DO} = Expressed Assimilative Capacity, aerobic respiration.
0.32 = mg/L BTEX degraded per mg/L dissolved oxygen consumed ratio.
O_B = background dissolved oxygen concentration (mg/L).
O_M = dissolved oxygen concentration in plume (mg/L).

A reduction in dissolved oxygen and BTEX concentrations within an existing BTEX plume is a strong indication that indigenous microbes are established and actively biodegrading petroleum hydrocarbons via aerobic respiration.

3.0 Collection of Biodegradation Indicators

BEI, Inc. collected groundwater samples and analyzed biodegradation indicators in conjunction with groundwater sample collection by TriHydro Corporation from December 17, 1996 to December 19, 1996, to monitor the progress of aerobic intrinsic bioremediation of dissolved phase petroleum hydrocarbons. Dissolved carbon dioxide, dissolved oxygen and redox potential measurements were collected from groundwater to determine if subsurface conditions favor aerobic respiration. Aerobic biodegradation will remain the dominant TEAP until dissolved oxygen becomes limited in the dissolved petroleum hydrocarbon plume.

Two (2) 0.5 liter laboratory supplied sampling jars were filled with groundwater from each well for dissolved carbon dioxide laboratory analysis. Dissolved oxygen and redox potential were measured in the field using a YSI Model 55 and an Orion Model 290A with an Orion Redox Electrode, respectively. A portion of groundwater retrieved for sampling was cautiously poured in a jar containing the dissolved oxygen probe and redox electrode to minimize disturbances. The jar was also capped to minimize exposure to the ambient air. Dissolved oxygen and redox potential readings were recorded immediately following stabilization. Each instrument was calibrated on a daily basis to insure consistency in readings.

4.0 Dissolved Oxygen Results

Dissolved oxygen measurements obtained during this monitoring episode are tabulated along with dissolved benzene concentrations in Table 1.

TABLE 1: Dissolved Oxygen Vs. Dissolved Benzene Concentrations			
Well ID	**Dissolved Oxygen (mg/L)**	**Dissolved Benzene (mg/L)**	**Ratio of O_2 to C_6H_6**
MW-101	3.30	<0.025	132:1
MW-103	2.15	0.2	11:1
MW-104	1.91	0.0042	455:1
MW-105	1.84	0.014	131:1
MW-106	3.20	0.0031	1032:1
MW-107	2.84	0.022	129:1
MW-201	2.96	0.11	27:1
MW-202	3.37	0.89	4:1
MW-203	2.17	0.03	72:1
MW-204	2.97	0.75	4:1
MW-205	2.20	<0.002	1100:1
MW-206	1.82	2.2	0.8:1
MW-501	2.73	1.2	2:1
MW-502	2.79	11	0.25:1
MW-503	3.19	0.21	15:1
MW-601	2.22	10	0.2:1
MW-603	3.01	<0.005	602:1
MW-604	1.33	0.047	28:1
MW-605	3.33	<0.001	3330:1
MW-606	4.90	<0.001	4900:1
MW-607	3.04	0.021	145:1
W-1	2.53	0.078	32:1
W-2	2.92	0.056	52:1
W-3	2.24	0.59	4:1
W-4	3.12	0.08	39:1

Notes: MW-504 and MW-600 were not sampled for biodegradation indicators due to free product. Background levels are shaded.

Effective aerobic biodegradation of dissolved phase petroleum hydrocarbons requires sufficient dissolved oxygen to sustain aerobic microbial respiration for β-carbon cleavage of the petroleum hydrocarbon alkanes and cis-hydroxylation of aromatic petroleum hydrocarbons. Sufficient dissolved oxygen content occurs when the ratio of dissolved oxygen concentration to dissolved petroleum hydrocarbon concentrations in groundwater reaches 3:1 (Wiedemeier, Miller, Wilson, Kampbell, 1995). Aerobic biodegradation can be sustained as long as the dissolved oxygen concentration is maintained above the critical concentration of 0.5 mg/L; dissolved oxygen levels below 0.5 mg/L may favor anaerobic microbial activity (Riser-Roberts, 1992). The background level of dissolved oxygen beneath the site was identified as 4.9 mg/L in MW-606 which had no detectable levels of dissolved petroleum hydrocarbons.

This study is focused upon mass removal of dissolved benzene caused by intrinsic biodegradation. Dissolved benzene has been monitored since this is the most miscible and most mobile of the petroleum aromatic constituents tested. Benzene concentrations are monitored to identify the leading migratory edge of the dissolved gasoline constituents due to its relatively high water solubility of 1780 micrograms per liter (μg/L).

Based on 3:1 dissolved oxygen level to dissolved benzene concentration ratio, effective intrinsic bioremediation of dissolved phase petroleum hydrocarbons is occurring in the following 21 of the 25 wells monitored: MW-101, MW-103, MW-104, MW-105, MW-106, MW-107, MW-201, MW-202, MW-203, MW-204, MW-205, MW-503, MW-603, MW-604, MW-605, MW-606, MW-607, W-1, W-2, W-3, and W-4. Dissolved oxygen concentrations are, at a minimum, three times the concentration of dissolved phase benzene in each of these monitoring wells. Monitoring wells MW-605 and MW-606 identified no detectable concentrations of benzene and dissolved oxygen levels are sufficient in these wells for sustainable aerobic biodegradation.

Samples from monitoring wells MW-206, MW-501, MW-502, and MW-601 contained dissolved oxygen to dissolved benzene concentration ratios at less than 3:1. However, aerobic intrinsic biodegradation in these six wells is still the more favorable mechanism for petroleum hydrocarbon reduction since dissolved oxygen levels exceed the critical concentration of 0.5 mg/L needed for aerobic microbial activity. Further monitoring and analysis of dissolved oxygen to dissolved benzene ratios are recommended to confirm aerobic intrinsic bioremediation.

5.0 Dissolved Carbon Dioxide Results

Dissolved carbon dioxide concentrations obtained during this monitoring episode are tabulated along with dissolved oxygen and benzene concentrations in Table 2. Laboratory analytical reports are included as Attachment 1.

TABLE 2: Dissolved Oxygen, Benzene, and Carbon Dioxide Concentrations

Well ID	Dissolved Oxygen (mg/L)	Dissolved Benzene (mg/L)	Dissolved CO_2 (mg/L)
MW-101	3.30	<0.025	86
MW-103	2.15	0.2	173
MW-104	1.91	0.0042	109
MW-105	1.84	0.014	130
MW-106	3.20	0.0031	82
MW-107	2.84	0.022	44
MW-201	2.96	0.11	58
MW-202	3.37	0.89	104
MW-203	2.17	0.03	55
MW-204	2.97	0.75	59
MW-205	2.20	<0.002	40
MW-206	1.82	2.2	165
MW-501	2.73	1.2	129
MW-502	2.79	11	160
MW-503	3.19	0.21	38
MW-601	2.22	10	184
MW-603	3.01	<0.005	91
MW-604	1.33	0.047	134
MW-605	3.33	<0.001	55
MW-606	4.90	<0.001	38
MW-607	3.04	0.021	123
W-1	2.53	0.078	133
W-2	2.92	0.056	67
W-3	2.24	0.59	96
W-4	3.12	0.08	77

Note: Background levels are shaded.

Dissolved carbon dioxide, a by-product of microbial aerobic biodegradation of dissolved phase petroleum hydrocarbons, is monitored and used as an indicator of dissolved petroleum hydrocarbon mass reduction from intrinsic bioremediation. Elevated levels of dissolved carbon dioxide, where dissolved benzene and adequate dissolved oxygen levels for microbial respiration are identified, indicate effective intrinsic biodegradation. Dissolved carbon dioxide background levels in groundwater beneath the facility average approximately 38 mg/L as identified by monitoring well MW-606, which had the maximum dissolved oxygen concentration and no detectable levels of dissolved phase petroleum hydrocarbons to influence dissolved carbon dioxide equilibrium.

Based on dissolved carbon dioxide levels, dissolved oxygen levels, and dissolved benzene concentrations, intrinsic bioremediation of dissolved phase petroleum hydrocarbons is occurring by aerobic microbial respiration in 19 of 25 monitoring wells. The elevated carbon dioxide levels, a by-product of respiration, identified in 19 wells suggest the occurrence of microbial respiration. The availability of dissolved oxygen levels above 0.5 mg/L and a dissolved oxygen to dissolved benzene ratio of 3:1 identified in the 19 wells, supports the occurrence and sustain ability of microbial respiration. The dissolved benzene concentrations identified in the 19 wells serve as a food source for continuing microbial respiration. These monitoring wells identified dissolved carbon dioxide levels at greater than background levels, sufficient dissolved oxygen levels to sustain aerobic biodegradation, and dissolved benzene concentrations to supply a food source for petroleum degrading microbes.

Monitoring wells MW-206, MW-501, MW-502, and MW-601 identified dissolved oxygen levels above 0.5 mg/L, however, dissolved oxygen to dissolved benzene ratios are less than 3:1. Aerobic biodegradation in these four wells is less effective than those in the other 21 wells monitored. Monitoring for anaerobic biodegradation indicators is recommended to confirm intrinsic, effective, anaerobic petroleum aromatic constituent mass removal by biodegradation .

6.0 Redox Potential

Redox potential measurements obtained during this monitoring episode are tabulated in Table 3.

TABLE 3: Redox Potential Measurements	
Well ID	**Redox Potential (mV)**
MW-101	-4
MW-103	8
MW-104	3
MW-105	4
MW-106	-6
MW-107	-11
MW-201	-14
MW-202	-7
MW-203	-10
MW-204	-3
MW-205	-24
MW-206	-2
MW-501	-5
MW-502	7
MW-503	-24
MW-601	5
MW-603	12
MW-604	4
MW-605	2
MW-606	-20
MW-607	1
W-1	6
W-2	-9
W-3	-2
W-4	-14

Redox potential is the measurement of electron transfer from one ion to another via an electrical current. A positive redox potential is indicative of an oxidation reaction while a negative redox potential indicates a reducing reaction.

Based on combined positive redox potential readings and high O_2 to C_6H_6 ratios, aerobic biodegradation is occurring in monitoring wells MW-104, MW-105, MW-603, MW-604, MW-605, MW-607, and W-1. The remaining monitoring wells identified negative redox potentials indicative of dormant oxidation states, either due to attenuated levels of dissolved oxygen available or to insufficient dissolved petroleum hydrocarbon food source available for aerobic microbe consumption. In twenty-one (21) of twenty-five (25) monitoring wells tested, sufficient dissolved oxygen was identified for effective aerobic biodegradation of the dissolved petroleum aromatics. It is anticipated that anaerobic biodegradation has become the dominant biodegradation process occurring in the remaining four (4) monitoring wells (MW-206, MW-501, MW-502, and MW-601) where dissolved oxygen has not replenished to levels (greater than three times benzene concentrations) necessary for effective aerobic biodegradation. As identified in long term monitoring at similar sites with similar subsurface conditions, anaerobic biodegradation processes will effectively remove in excess of ninety percent (90 %) of the petroleum mass dissolved in groundwater where low replenishment of dissolved oxygen limits effective aerobic respiration.

7.0 Estimated Assimilative Capacity

The EAC for a given TEAP is the amount of petroleum hydrocarbon contamination, such as BTEX (benzene, toluene, ethylbenzene, and xylene), that a body of groundwater has shown it has degraded using the stoichiometry of the oxidation reaction. Background dissolved oxygen concentrations and dissolved oxygen concentrations in the dissolved BTEX plume were identified as follows:

$$O_B = 4.9 \text{ mg/L}$$
$$O_M = 1.82 \text{ mg/L}$$

Based on the background dissolved oxygen level and plume dissolved oxygen level, the aerobic biodegradation estimated assimilative capacity for the plume is as follows:

$$EAC_{DO} = 0.32\ (4.9\text{-}1.82) = 0.9856 \text{ mg/L of BTEX}$$

The groundwater beneath the site has the capacity to biodegrade 985.6 μg/L of BTEX via aerobic respiration. A reduction in dissolved oxygen and BTEX concentrations within an existing BTEX plume is a strong indication that indigenous microbes are established and actively

biodegrading petroleum hydrocarbons via aerobic respiration.

8.0 Recommendations

BEI, Inc. recommends that the Powerine Oil Company continue to monitor indicators of intrinsic biodegradation for determination of petroleum aromatic mass removal as effective remediation of petroleum impacted groundwater. Dissolved petroleum hydrocarbon aromatic constituent mass removed by biodegradation will be quantified allowing determination of time estimates for completion of remediation. In addition, sustainable and effective intrinsic bioremediation will be demonstrated in locations where it is occurring. Those monitoring wells where dissolved oxygen to dissolved benzene ratios are less than 3:1 and where oxidation states are dormant will be analyzed for anaerobic biodegradation indicators. As identified at similarly impacted sites, anaerobic biodegradation processes will effectively remove greater than 90 % of the dissolved petroleum aromatic mass where oxygen replenishment is limited. As demonstrated at similarly impacted sites with similar subsurface conditions, aggregate aerobic and anaerobic biodegradation process provide effective remediation of dissolved petroleum hydrocarbon constituents considered potentially hazardous.

REFERENCES

Riser-Roberts, E. 1992. Bioremediation of Petroleum Contaminated Sites. CRC Press, Inc., Boca Raton, FL.

Wiedemeier, T., Wilson, J., Kampbell, D., Miller, R., and Hansen, J. 1995. *Technical Protocol for Implementing Intrinsic Remediation with Long-Term Monitoring for Natural Attenuation of Fuel Contamination Dissolved in Groundwater*. USEPA and AFCEE publication.

Attachment 1

Applied P & Ch Laboratory
[illegible] Magnolia Ave. Chino, CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Blakely Environmental Investigations
Attention: Hiram Garcia
P.O. Box 339
Wrightwood, CA 92397
Tel: (619)249-5498 Fax: (619)249-1016

Service ID #: 801-964779
Collected by:
Collected on: 12/17/96

Received: 12/17/96
Extracted: N/A
Tested: 12/18/96
Reported: 12/30/96

Sample Description: Water
Project Description:

Analysis of Water Samples

Sample ID	Lab ID	Method	Unit	PQL	Dissolved Carbon Dioxide
MW-603	96-04779-1	SM4500	mg/L	2	91
MW-604	96-04779-2	SM4500	mg/L	2	134
MW-605	96-04779-3	SM4500	mg/L	2	55
MW-606	96-04779-4	SM4500	mg/L	2	38
MW-607	96-04779-5	SM4500	mg/L	2	123

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.

Respectfully submitted,

Jack Y. Zhang, Ph. D.,
President
Applied P & Ch Laboratory

Applied P & Ch Laboratory

APCL

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Chain of Custody

Please Print in pen Page ____ of ____

Client: Blakely Environmental Inv. Inc. Contact: Hiram Garcia Tel #: (619) 249-5498 Fax #: (619) 249-1016

Address: City: State: Zip code:

Bill to: Powerine Oil Company

Project Name/Code Job # P.O. #

Project Address 12354 Lakeland St. Santa Fe Springs APCL Quotation #

Due Date: ☒ Regular ☐ rush: ____ days ____ hours Sampled by:

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Analysis Items: Dissolved O_2	Analysis Items: CO_2	Remarks
MW-603		12/17/96	13:00	Water	Ice	4-250mL	X	X	
MW-604							X	X	
MW-606							X	X	
MW-605							X	X	
MW-607			16:00				X	X	

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ____ (E, C or D); ☐ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (_____ °C).

Relinquished by Hiram Garcia Date/Time 12/17/96 / 5:30PM Received by [illegible] Date/Time 12/17/96 1730

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients under[illegible]nd that all terms described in the proposals, quotations for this project, and/or the [illegible]eral terms provided in the current APCL price schedules will be followed. APCL reserves the right to [redacted]ate [redacted] [redacted] [redacted] [redacted]CL's [redacted] [redacted] [redacted] be[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino, CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Blakely Environmental Investigations
Attention: Hiram Garcia
P.O. Box 339
Wrightwood, CA 92397
Tel: (619)249-5498 Fax: (619)249-1016

Service ID #: 801-964800
Collected by:
Collected on: 12/18/96

Received: 12/18/96
Extracted: N/A
Tested: 12/19/96
Reported: 12/30/96

Sample Description: Water
Project Description:

Analysis of Water Samples

Sample ID	Lab ID	Method	Unit	PQL	Dissolved Carbon Dioxide
MW-101	96-04800-1	SM4500	mg/L	2	86
MW-103	96-04800-2	SM4500	mg/L	2	173
MW-104	96-04800-3	SM4500	mg/L	2	109
MW-105	96-04800-4	SM4500	mg/L	2	130
MW-106	96-04800-5	SM4500	mg/L	2	82
MW-107	96-04800-6	SM4500	mg/L	2	44
MW-201	96-04800-7	SM4500	mg/L	2	58
MW-202	96-04800-8	SM4500	mg/L	2	104
MW-203	96-04800-9	SM4500	mg/L	2	55
MW-204	96-04800-10	SM4500	mg/L	2	59
MW-205	96-04800-11	SM4500	mg/L	2	40

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.

Respectfully submitted,

Jack Y. Zhang, Ph. D.,
President
Applied P & Ch Laboratory

Applied P & Ch Laboratory

APCL

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Chain of Custody

Please Print in pen Page 1 of ____

Client: Blakely Environ. Investigations, Inc. Contact: Hiram Garcia Tel #: (619) 249-5498 Fax #: (619) 249-1016

Address: P.O. Box 339 City: Wrightwood State: CA Zip code: 92397

Bill to: Powerine Oil Company, 12354 Lakeland St., Santa Fe Springs CA

Project Name/Code Job # P.O. #

Project Address APCL Quotation #

Due Date: ☒ regular ☐ rush: ____ days ____ hours Sampled by:

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Analysis Items: Carbon Dioxide												Remarks
MW-105		12/18/96	11:45	Water	Ice	2-250 mL	X												
MW-104							X												
MW-205							X												
MW-203							X												
MW-107							X												
MW-106							X												
MW-204							X												
MW-202							X												
MW-101							X												
MW-201			5				X												
MW-103			16:20				X												

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ____ (E, C or D); ☐ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (_____ °C).

Relinquished by [signature] Date/Time 12/18/96 / 5:55pm Received by TIEN Date/Time 12/18/96 / 1755

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to [redacted] APCL's discretion the terms of [redacted] project have been broken. [redacted]

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino, CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Blakely Environmental Investigations
Attention: Hiram Garcia
P.O. Box 339
Wrightwood, CA 92397
Tel: (619)249-5498 Fax: (619)249-1016

Service ID #: 801-964810
Collected by:
Collected on: 12/19/96

Received: 12/19/96
Extracted: N/A
Tested: 12/19/96
Reported: 12/30/96

Sample Description: Water
Project Description:

Analysis of Water Samples

Sample ID	Lab ID	Method	Unit	PQL	Dissolved Carbon Dioxide
MW-206	96-04810-1	SM4500	mg/L	2	165
MW-501	96-04810-2	SM4500	mg/L	2	129
MW-502	96-04810-3	SM4500	mg/L	2	160
MW-503	96-04810-4	SM4500	mg/L	2	38
MW-601	96-04810-5	SM4500	mg/L	2	184
W-1	96-04810-6	SM4500	mg/L	2	133
W-2	96-04810-7	SM4500	mg/L	2	67
W-3	96-04810-8	SM4500	mg/L	2	96
W-4	96-04810-9	SM4500	mg/L	2	77

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.

Respectfully submitted,

Jack Y. Zhang, Ph. D.,
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Applied P & Ch Laboratory