February 7, 2002

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SECOR
International Incorporated

Mr. Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite #250
Alameda, CA 94502-6577

RE: QUARTERLY GROUNDWATER MONITORING REPORT FOR THE FOURTH QUARTER 2001, PENSKE TRUCK LEASING FACILITY, 725 JULIE ANN WAY, OAKLAND, CALIFORNIA

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is pleased to submit the Fourth Quarter Groundwater Monitoring Report presenting the results of groundwater monitoring conducted on December 12, 2001, at the former Penske Truck Leasing Co. (Penske) facility, 725 Julie Ann Way, Oakland, California (the Site, see Figure 1). We are submitting this document on behalf of the Penske Truck Leasing Company (Penske) who formerly operated the Site as a truck leasing facility. The scope of work performed was in accordance with the requirements set by the Alameda County Health Services (ACEHS) and the San Francisco Bay Water Quality Control Board (SFRWQCB) in their letter dated March 25, 1994.

GROUNDWATER MONITORING PROCEDURES

On December 12, 2001, SECOR sounded (MW-3, MW-5 and MW-6 were sounded only), purged, and sampled eight monitoring wells (MW-1, -2, -4, -5, -7 -8, OW-1, and OW-2) using an electronic water-level indicator, a diaphragm pump for purging, and clean disposable bailers to obtain water samples. The depth-to-water, reference water level elevation, and corrected water level elevations were recorded on the Water Sample Field Data Sheet included in Appendix A. The water-level indicator was rinsed with deionized water between the sounding of each well to prevent cross contamination. All seven groundwater monitoring wells were also measured for pH, temperature, specific conductivity, dissolved oxygen (DO), and oxidation reduction potential (ORP). The measurements were recorded on the Water Sample Field Data Sheets included in Appendix A. ORP, pH, temperature, and specific conductivity were measured using a Horiba model D-22 meter. DO was measured using a YSI model 51B DO meter.

Prior to sampling, wells were purged of approximately three well casing volumes of water using a diaphragm pump. During purging, the evacuated water was periodically measured for pH, electrical conductivity, and temperature, and visually inspected for color and turbidity. All measured parameters and purge volumes for each well were recorded on the Water Sample Field Data Sheets included in Appendix A. Upon removal of the appropriate purge volume and stabilization of the measured parameters, samples were collected from each well using a disposable PVC bailer. Groundwater samples were transferred into preserved, labeled laboratory-supplied glassware, placed in an ice-filled cooler, and transferred under chain-of-custody to STL San Francisco (STL) of Pleasanton, California, a state-certified laboratory.

Seven samples were submitted for chemical analysis of total petroleum hydrocarbons reported as gasoline (TPHg) by EPA Method 8015M and total extractable petroleum hydrocarbons (TEPH reported as diesel – TPHd) by EPA Method 8015M, and benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl

tertbutyl ether (MTBE) by EPA Method 8020. TPHd samples were pre-treated with silica-gel prior to analysis. Wells OW-1 and –2 were additionally analyzed for nitrate, sulfate, and ferrous iron. Ferrous iron was analyzed using a HACH field test kit. Laboratory analytical reports and chain-of-custody records are included in Appendix B.

SUMMARY OF RESULTS

Historical groundwater elevations including the current quarter are included in Table 1. Historical groundwater chemical results including the current quarter are included in Table 2. DO, pH, and ORP for the current quarter are included in Table 3.

Monitoring Well Soundings

A groundwater elevation contour map based on the December 12, 2001 elevation data is presented in Figure 2. The depth to water for the current quarter ranged from 4.73 feet to 5.95 feet below the top of the PVC well casing in wells MW-7 and MW-3, respectively. Groundwater elevations ranged from 0.65 feet (MW-7) to –0.15 feet (MW-3), based on surveying of the site wells and use of the City of Oakland datum. Overall groundwater elevations increased when compared to the August 2001 monitoring results. Interpretation of the groundwater elevation contour map indicates that groundwater flow in the northern portion of the site is directed towards the west and southwest. In the southern portion of the site, groundwater flow appears to be controlled by local mounding in the groundwater surface in the vicinity of wells MW-7 and MW-8.

Groundwater Chemical Results

Groundwater pH ranged from 6.81 to 7.15. Temperatures ranged from 15.1° to 18.1° Centigrade. Specific conductivity ranged from 2.31 to 12.26 micromhos per centimeter (µmhos/cm). Turbidity ranged from low to moderate, and color ranged from clear to yellow. DO ranged from 0.88 to 3.98 mg/L and ORP ranged from -61 to 199 millivolts (mV). The pH, conductivity, temperature, and appearance are in the ranges that would be considered normal for sites in this area. The negative ORP and low DO levels (approximately 1 mg/L) are indicative of oxygen depleting conditions, indicating that microbial activity may be occurring in the groundwater. The depletion of oxygen is most likely a result of the microbial degradation of hydrocarbons in groundwater. The oxygen depleted conditions also indicate that microbial activity was not significantly impacted by Fenton's reagent treatments conducted by SECOR in September 2000. Nitrate, sulfate, and ferrous iron concentrations in OW-1 were non-detect (< 1.0 mg/L), 25 mg/L and 1.5 mg/L; and for OW-2 were non-detect, 4.6 mg/L, and 3.0 mg/L for each analyte in each well respectively. The elevated dissolved iron concentrations are indicative of microbial activity. Nitrate concentrations have been depleted by microbial degradation after an initial post Fenton's reagent treatment spike. Sulfate concentrations are elevated as a result of Fenton's reagent injection.

A groundwater concentration map based on the December 12, 2001 groundwater chemical results is presented in Figure 3. No separate phase free product was observed in any of the monitoring wells. Product sheen or what may also be a ferrous iron oxidation sheen, was reported on groundwater from wells MW-1, MW-4, MW-7, OW-1 and OW-2. TPHd concentrations ranged from 97 µg/L (MW-8) to 6,900 µg/L (MW-7). TPHg concentrations ranged from non-detect (MW-2, MW-4 and MW-8) to 610 µg/L (MW-7). Benzene concentrations ranged from non-detect (MW-2, MW-4, MW-5, MW-7, MW-8 and OW-1) to 14 µg/L (OW-2). Toluene, ethylbenzene and total xylenes were not detected in any of the wells this quarter. Methyl tert-butyl ether (MTBE) was detected only in well OW-2 at 11 µg/L.

Overall, TPHd, TPHg and BTEX concentrations decreased significantly since the Fenton's reagent treatment in wells MW-1, MW-4 and MW-7. Separate phase free product has been eliminated in all wells, and only a minor sheen is evident in selected wells. Fenton's reagent and the microbial stimulation generated by Fenton's reagent production of oxygen significantly decreased the overall concentration of petroleum hydrocarbons at the Site.

Fenton's reagent and intrinsic biodegradation have significantly reduced petroleum hydrocarbon concentrations and eliminated free product in groundwater underlying the site. Free product has not appeared despite fluctuations in groundwater elevation and heavy rainfall. Therefore, the presence or absence of free product does not appear to be related to changes in groundwater elevation. The ACEHS has previously stated for another site on Julie Ann Way, that TPHg and BTEX concentrations in approximately the same range as at the Penske Site "would pass a Tier 1 Risk Based Corrective Action (RBCA) evaluation." It appears that the current site conditions qualify the Site for closure based on the absence of free product over the past three quarters. SECOR is preparing a letter request for closure which reviews the current and previous site conditions.

If you should have any questions regarding the results detailed in this report, please contact Richard G. Saut at (610) 775-6010 or Angus E. McGrath at (510) 285-2556 extension 228.

(925) 299-9300

Sincerely,

SECOR International Incorporated

for

Dylan Cardiff
Staff Geologist

Angus E. McGrath, Ph.D.
Principal Geochemist

Reviewed by:

Bruce E. Scarbrough, R.G.
Principal Geologist

Attachments:

Table 1 - Chronological Listing of Groundwater Elevation Data
Table 2 - Chronological Listing of Groundwater Analytical Results
Table 3 - pH, Dissolved Oxygen, and Oxidation Reduction Potential Measurements Results

Figure 1 - Site Location Map
Figure 2 - Shallow Groundwater Contours, 4th Quarter, 2001
Figure 3 - Petroleum Hydrocarbon Concentrations, 4th Quarter, 2001

TABLE 1
CHRONOLOGICAL LISTING OF
GROUNDWATER ELEVATION DATA
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	RE (FEET)[a]	DTW (FEET)	GWTE (FEET)
MW-1	02/20/97	5.43	5.41	0.02
	05/28/97		5.98	-0.55
	09/19/97		6.45	-1.02
	11/17/97		6.14	-0.71
	02/27/98		4.83	0.60
	05/27/98		6.42	-0.99
	10/01/98		6.49	-1.06
	12/22/98		6.35	-0.92
	12/28/99		7.34	-1.91
	03/14/00		4.95	0.48
	06/28/00		5.54	-0.11
	09/14/00		6.41	-0.98
	12/11/00		6.08	-0.65
	03/14/01		6.11	-0.68
	06/13/01		5.68	-0.25
	08/29/01		6.13	-0.70
	12/12/01		5.31	0.12
MW-2	02/20/97	6.20	6.26	-0.06
	05/28/97		6.65	-0.45
	09/19/97		6.90	-0.70
	11/17/97		6.75	-0.55
	02/27/98		5.31	0.89
	05/27/98		5.87	0.33
	10/01/98		6.95	-0.75
	12/22/98		6.70	-0.50
	12/28/99		7.08	-0.88
	03/15/00		5.45	0.75
	06/28/00		6.37	-0.17
	09/14/00		6.86	-0.66
	12/11/00		7.33	-1.13
	03/14/01		5.75	0.45
	06/13/01		6.33	-0.13
	08/29/01		6.71	-0.51
	12/12/01		5.92	0.28
MW-3	02/20/97	6.10	6.36	-0.26
	05/28/97		6.62	-0.52
	09/19/97		6.83	-0.73
	11/17/97		6.77	-0.67
	02/27/98		5.38	0.72
	05/27/98		6.05	0.05
	10/01/98		6.95	-0.85
	12/22/98		6.73	-0.63
	12/28/99		7.22	-1.12
	03/14/00		NM	NM
	06/28/00		6.37	-0.27
	09/14/00		7.06	-0.96
	12/11/00		6.68	-0.58
	03/14/01		5.85	0.25
	06/13/01		6.34	-0.24
	08/29/01		6.70	-0.60
	12/12/01		5.95	0.15
MW-4	02/20/97	5.18	5.29	-0.11
	05/28/97		5.66	-0.48
	09/19/97		6.00	-0.82
	11/17/97		6.06	-0.88
	02/27/98		4.66	0.52
	05/27/98		5.98	-0.80
	10/01/98		5.23	-0.05
	12/22/98		6.57	-1.39
	12/28/99		6.54	-1.36

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GROUNDWATER ELEVATION DATA
PENSKE TRUCK LEASING FACILITY
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Oakland, California

WELL NO.	DATE	RE (FEET)[a]	DTW (FEET)	CWTE (FEET)
MW-4 Cont.	03/14/00		4.86	0.32
	06/28/00		5.55	-0.37
	09/14/00		6.05	-0.87
	12/11/00		5.93	-0.75
	03/14/01		5.04	0.14
	06/13/01		5.25	-0.07
	08/29/01		5.89	-0.71
	12/12/01		5.14	0.04
MW-5	02/20/97	4.71	4.68	0.03
	05/28/97		5.21	-0.50
	09/19/97		5.43	-0.72
	11/17/97		5.28	-0.57
	02/27/98		4.10	0.61
	05/27/98		5.40	-0.69
	10/01/98		5.42	-0.71
	12/22/98		5.40	-0.69
	12/28/99		5.73	-1.02
	03/14/00		NM	NM
	06/28/00		5.11	-0.40
	09/14/00		NM	NM
	12/11/00		5.48	-0.77
	03/14/01		4.57	0.14
	06/13/01		5.05	-0.34
	08/29/01		5.34	-0.63
	12/12/01		4.79	-0.08
MW-6	02/20/97	5.37	5.38	-0.01
	05/28/97		5.93	-0.56
	09/19/97		6.15	-0.78
	11/17/97		6.06	-0.69
	02/27/98		4.74	0.63
	05/27/98		5.40	-0.03
	10/01/98		6.37	-1.00
	12/22/98		6.06	-0.69
	12/28/99		6.40	-1.03
	03/14/00		NM	NM
	06/28/00		6.71	-1.34
	09/14/00		6.17	-0.80
	12/11/00		NM	NM
	03/14/01		5.11	0.26
	06/13/01		6.65	-1.28
	08/29/01		6.00	-0.63
	12/12/01		5.33	0.04
MW-7	02/20/97	5.38	5.70	-0.32
	05/28/97		5.46	-0.08
	09/19/97		5.91	-0.53
	11/17/97		5.59	-0.21
	02/27/98		4.68	0.70
	05/27/98		5.17	0.21
	10/01/98		5.80	-0.42
	12/22/98		5.78	-0.40
	12/28/99		7.72	-2.34
	03/14/00		4.50	0.88
	06/28/00		5.51	-0.13
	09/14/00		5.93	-0.55
	12/11/00		5.72	-0.34
	03/14/01		4.58	0.80
	06/13/01		5.18	0.20
	08/29/01		5.53	-0.15
	12/12/01		4.73	0.65
MW-8	02/20/97	5.44	5.10	0.34
	05/28/97		5.68	-0.24

TABLE 1
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GROUNDWATER ELEVATION DATA
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	RE (FEET)[a]	DTW (FEET)	CWTE (FEET)
MW-8	09/19/97		5.95	-0.51
Cont.	11/17/97		5.91	-0.47
	02/27/98		4.50	0.94
	05/27/98		6.10	-0.66
	10/01/98		6.13	-0.69
	12/22/98		6.10	-0.66
	12/28/99		6.30	-0.86
	03/14/00		5.01	0.43
	06/28/00		5.47	-0.03
	09/14/00		5.99	-0.55
	12/11/00		5.84	-0.40
	03/14/01		4.90	0.54
	06/13/01		5.40	0.04
	08/29/01		5.80	-0.36
	12/12/01		5.05	0.39
OW-1	12/28/99		5.77	NA
	03/15/00		4.47	NA
	06/29/00		4.95	NA
	09/14/00		5.31	NA
	12/11/00		5.17	NA
	03/14/01		4.54	NA
	06/13/01		4.75	NA
	08/29/01		5.01	NA
	12/12/01		4.80	NA
OW-2	12/28/99		6.08	NA
	03/15/00		4.76	NA
	06/29/00		5.15	NA
	09/14/00		5.60	NA
	12/11/00		5.45	NA
	03/14/01		4.77	NA
	06/13/01		5.01	NA
	08/29/01		5.31	NA
	12/12/01		5.10	NA

Notes:

RE - Reference Elevation
DTW - Depth to Water
CWTE - Corrected Water Table Elevation
(a) - All well elevations resurveyed to site benchmark on February 10, 1993.
NM - Not Measured
NA - Not Available

TABLE 2
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-1	02/20/97	200,000	2,900[a]	260	61	42	96	NS
	05/28/97	28,000[h]	2,100	230	42	55	110	NS
	09/19/97	2,700,000	110,000	230	140	250	700	ND
	11/17/97	950,000[c]	40,000[c]	240[c]	190[c]	270[c]	880[c]	ND[c]
	02/27/98	1,200,000	380,000	50	50	200	800	ND
	05/27/98	280,000	13,000	110	13	66	390	ND
	10/01/98	63,000	1,300[d]	43	1.2	15	84	ND
	12/22/98	79,000[e,f]	2,000[e,g]	32[e]	ND[e]	23[e]	130[e]	ND
	12/28/99	43000	1,700	49	1.3	11	24	ND
	03/14/00	4,300	540	59	1.3	12	23	NA
	06/28/00	290,000*	1,300#	26	ND	ND	23	ND
	09/14/00	770,000	1,100	34	ND	3.9	17	ND
	12/11/00	28,000	2,000	10	ND	ND	9.3	ND
	03/14/01	8,400	350	12	ND	ND	ND	ND
	06/13/01	13,000	340	6.4	ND	ND	1.6	ND
	08/29/01	26,000*	140#	ND	ND	ND	ND	ND
	12/12/01	5,600*	160#	0.65	ND	ND	ND	ND
MW-2	02/20/97	1,000[h]	ND	ND	ND	ND	ND	NS
	05/28/97	3,700[b,h]	ND	ND	ND	ND	ND	NS
	09/19/97	4,100	ND	ND	ND	ND	ND	ND
	11/17/97	1,300	ND	ND	ND	ND	ND	ND
	02/27/98	340	ND	ND	0.9	ND	ND	ND
	05/27/98	1,300	ND	ND	ND	ND	ND	ND
	10/01/98	3,500[i]	3,200[d]	ND	ND	ND	ND	ND
	12/22/98	1,200[j,k]	67[d]	ND	ND	ND	ND	ND
	12/28/99	750	ND	ND	ND	ND	ND	ND
	03/15/00	92	ND	ND	ND	ND	ND	ND
	06/28/00	ND	ND	ND	ND	ND	ND	ND
	09/14/00	120	ND	ND	ND	ND	ND	ND
	12/11/00	ND	ND	ND	ND	ND	ND	ND
	03/14/01	75	ND	ND	ND	ND	ND	ND
	06/13/01	ND	ND	ND	ND	ND	ND	ND
	08/29/01	ND	ND	ND	ND	ND	ND	ND
	12/12/01	150*	ND	ND	ND	ND	ND	ND
MW-3	02/20/97	140[h]	ND	ND	ND	ND	ND	NS
	05/28/97	240[b,h]	ND	ND	ND	ND	ND	NS
	09/19/97	ND	ND	0.7	ND	ND	ND	ND
	11/17/97	ND	ND	ND	ND	ND	ND	ND
	02/27/98	ND	ND	ND	ND	ND	ND	ND
	05/27/98	ND	ND	ND	ND	ND	ND	ND
	10/01/98	56[l]	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	NS	NS	NS	NS	NS	NS	NS
	03/14/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	NS	NS	NS	NS	NS	NS	NS
	09/14/00	NS	NS	NS	NS	NS	NS	NS

TABLE 2
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-3 Cont.	12/11/00	NS	NS	NS	NS	NS	NS	NS
	03/14/01	NS	NS	NS	NS	NS	NS	NS
	06/13/01	NS	NS	NS	NS	NS	NS	NS
	08/29/01	NS	NS	NS	NS	NS	NS	NS
	12/13/01	NS	NS	NS	NS	NS	NS	NS
MW-4	02/20/97	470,000	64,000[m]	ND	ND	ND	ND	NS
	05/28/97	1,000,000[b]	11,000[m]	ND	ND	ND	ND	NS
	09/19/97	2,600,000	37,000	260	ND	ND	ND	ND
	11/17/97	57,000[c]	4,400[c]	25[c]	ND[c]	ND[c]	ND[c]	ND[c]
	02/27/98	9,300	580	2.7	0.8	0.8	3	ND
	05/27/98	11,000	3,900	1.4	0.6	ND	ND	ND
	10/01/98	670,000	2,400[n]	5.7	ND	ND	4.6	ND
	12/22/98	3,700[e,o]	ND[p]	ND[p]	ND[p]	ND[p]	ND[p]	ND[p]
	12/28/99	5,800	1,000	ND	ND	ND	ND	ND
	03/14/00	4,800	350	ND	ND	ND	ND	NA
	06/28/00	8,400*	120#	ND	ND	ND	ND	ND
	09/14/00	19,000	130	ND	ND	ND	ND	ND
	12/11/00	730	120	ND	ND	ND	ND	ND
	03/14/01	580	ND	ND	ND	ND	ND	ND
	06/13/01	260	54	ND	ND	ND	ND	ND
	08/29/01	30,000*	940#	ND	ND	ND	ND	ND
	12/13/01	260*	ND	ND	ND	ND	ND	ND
MW-5	02/20/97	1,100[h]	ND	ND	ND	ND	ND	NS
	05/28/97	560[b,q]	60[m]	ND	ND	ND	ND	NS
	09/19/97	1,000	70	ND	ND	ND	ND	ND
	11/17/97	1,100	70	0.6	0.7	0.5	ND	5
	02/27/98	ND	ND	ND	ND	ND	ND	5
	05/27/98	770	ND	ND	ND	ND	ND	ND
	10/01/98	630	ND	ND	ND	ND	ND	ND
	12/22/98	890[r]	ND	ND	ND	ND	ND	ND
	12/28/99	440	ND	ND	ND	ND	ND	ND
	03/15/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	110*	ND	ND	ND	ND	ND	ND
	09/14/00	NS	NS	NS	NS	NS	NS	NS
	12/11/00	130	ND	ND	ND	ND	ND	ND
	03/14/01	NS	NS	NS	NS	NS	NS	NS
	06/13/01	120	ND	ND	ND	ND	ND	ND
	08/29/01	NS	NS	NS	NS	NS	NS	NS
	12/13/01	530*	ND	ND	ND	ND	ND	ND
MW-6	02/20/97	NS	NS	NS	NS	NS	NS	NS
	05/28/97	NS	NS	NS	NS	NS	NS	NS
	09/19/97	NS	NS	NS	NS	NS	NS	NS
	11/17/97	NS	NS	NS	NS	NS	NS	NS
	02/27/98	NS	NS	NS	NS	NS	NS	NS
	05/27/98	NS	NS	NS	NS	NS	NS	NS
	10/01/98	NS	NS	NS	NS	NS	NS	NS
	12/22/98	NS	NS	NS	NS	NS	NS	NS

TABLE 2
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-6 Cont.	12/28/99	NS	NS	NS	NS	NS	NS	NS
	03/15/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	NS	NS	NS	NS	NS	NS	NS
	09/14/00	NS	NS	NS	NS	NS	NS	NS
	12/11/00	NS	NS	NS	NS	NS	NS	NS
	03/14/01	NS	NS	NS	NS	NS	NS	NS
	06/13/01	NS	NS	NS	NS	NS	NS	NS
	08/29/01	NS	NS	NS	NS	NS	NS	NS
	12/13/01	NS	NS	NS	NS	NS	NS	NS
MW-7	02/20/97	1,500,000	15,000[m]	81	51	ND	ND	NS
	05/28/97	440,000[b]	390,000[m]	ND	ND	ND	ND	NS
	09/19/97	910,000	3,600	110	64	37	ND	ND
	11/17/97	18,000,000[c]	15,000[c]	110[c]	41[c]	12[c]	110[c]	ND[c]
	02/27/98	290,000	45,000	80	60	ND	ND	ND
	05/27/98	1,600	140	2.3	0.9	0.9	3	ND
	10/01/98	89,000	710[n]	39	2.4	11	31	ND
	12/22/98	240,000[o]	3,900[g]	51	ND	ND	ND	ND
	12/28/99	300,000	2,300	51	5.3	13	27	ND
	03/14/00	640,000	620	31	5.3	9.9	31	NA
	06/28/00	2,900,000	3,200#	15	ND	3.2	30	ND
	09/14/00	15,000,000	1,900	11	ND	10	39	ND
	12/12/00	340,000	4,500	ND	ND	ND	17	ND
	03/14/01	170,000	8,000	ND	ND	ND	ND	ND
	06/13/01	19,000	100	0.99	ND	ND	ND	6.2
	08/29/01	27,000*	120#	3.9	ND	ND	ND	5
	12/12/01	6,900*	610#	ND	ND	ND	ND	ND
MW-8	02/20/97	2,500	340[a]	2.1	53	7.1	94	NS
	05/28/97	200[b,s]	480[a]	2.5	12	ND	76	NS
	09/19/97	7,000	1,000	0.8	5	0.5	130	ND
	11/17/97	520	250	1.4	2.1	0.7	3	ND
	02/27/98	150	ND	ND	ND	ND	ND	ND
	05/27/98	70	ND	ND	ND	ND	ND	ND
	10/01/98	440[f]	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	130	ND	ND	ND	ND	ND	ND
	03/14/00	170	ND	ND	ND	ND	ND	NA
	06/28/00	300*	ND	ND	ND	ND	ND	ND
	09/14/00	310	ND	ND	ND	ND	ND	ND
	12/11/00	15,000	ND	ND	ND	ND	ND	ND
	03/14/01	130	ND	ND	ND	ND	ND	ND
	06/13/01	100	ND	ND	ND	ND	ND	ND
	08/29/01	160*	ND	ND	ND	ND	ND	ND
	12/13/01	97*	ND	ND	ND	ND	ND	ND
OW-1	12/28/99	7,700	3,400	11	ND	ND	2.6	ND
	03/15/00	5,300	700	1.7	ND	ND	ND	ND
	06/29/00	1,300*	140#	4	ND	ND	2.2	6.6
	09/14/00	5,800	180	ND	ND	ND	ND	ND
	12/12/00	230	110	3.4	ND	ND	ND	ND
	03/14/01	2,200	110	4	ND	ND	0.5	ND
	06/13/01	1,500	120	2.5	ND	ND	ND	ND
	08/29/01	1,200*	130#	ND	ND	ND	ND	ND
	12/12/01	3,100*	76#	ND	ND	ND	ND	ND
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16

TABLE 2
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
OW-2 Cont.	03/15/00	1,100	350	24	ND	ND	ND	9.3
	06/29/00	850*	160#	7.4	ND	ND	ND	13
	09/14/00	6,300	590	26	0.79	ND	1.7	17
	12/12/00	320	210	6.6	ND	ND	ND	7.4
	03/14/01	960	320	5.6	ND	ND	ND	ND
	06/13/01	900	250	2.9	ND	ND	ND	10
	08/29/01	1,400*	270#	5.3	ND	ND	ND	ND
	12/12/01	4,100*	280#	14	ND	ND	ND	11

Notes:

mg/L - micrograms per liter
TPHd - Total Petroleum Hydrocarbons as diesel
TPHg - Total Petroleum Hydrocarbons as gasoline
MTBE - Methyl tert butyl ether
NS - Well not sampled
ND - Not detected at or above the laboratory detection limit
NA - Not analyzed

(a) - Laboratory reports that chromatogram indicates gasoline and unidentified hydrocarbons >C8.
(b) - Laboratory reports that the laboratory control sample failed for this batch, as well as when it was initially analyzed on 6/3/97. All results should be considered as estimated values. No additional sample was available for re-extraction.
(c) - Laboratory reports reporting limits for diesel and gas/BTEX elevated due to high levels of target compound. Samples run at dilution.
(d) - Laboratory reports the peak pattern present in this sample represents an unknown mixture atypical of gasoline in the range of n-C09 to greater than n-C12. Quantitation is based on a gasoline reference in the range of n-C07 to n-C12 only.
(e) - Laboratory reports reporting limit(s) raised due to high level of analyte present in sample.
(f) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C09 to n-C36. Quantitation is based on a diesel reference between n-C10 and n-C24 only.
(g) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C20.
(h) - Analyzed by USEPA Method 8015, modified.
(i) - Analyzed by USEPA Method 8020.
(j) - Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.
* - Hydrocarbon reported does not match the diesel standard.
\# - Hydrocarbon reported (in the gasoline range) does not match lab standard.

TABLE 3
PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
	03/14/00	7.29	1.12	-23
	06/28/00	8.26	0.55	-248
	09/14/00	6.92	0.36	-316
	12/11/00	7.05	1.34	-55
	03/14/01	7.07	1.24	-66
	06/13/01	7.05	1.20	-109
	08/29/01	7.78	NM	-63
	12/12/01	6.93	1.28	-4
MW-2	12/28/99	7.94	0.96	-38
	03/15/00	7.28	1.43	-255
	06/28/00	7.52	0.89	-221
	09/14/00	7.44	0.61	-310
	12/11/00	7.28	1.96	24
	03/14/01	7.34	1.46	11
	06/13/01	7.07	0.95	-12
	08/29/01	7.24	NM	70
	12/12/01	7.13	0.88	13
MW-3	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	NM	NM	NM
	06/13/01	NM	NM	NM
	08/29/01	NM	NM	NM
	12/13/01	NM	NM	NM
MW-4	12/28/99	7.38	0.80	-201
	03/14/00	6.97	2.11	35
	06/28/00	6.87	3.57	-34
	09/14/00	7.23	1.06	16
	12/11/00	6.99	2.27	74
	03/14/01	6.81	1.28	-91
	06/13/01	6.97	0.97	-30
	08/29/01	7.45	NM	104
	12/13/01	6.88	0.34	199
MW-5	12/28/99	7.55	1.14	-118
	03/14/00	NM	NM	NM
	06/28/00	7.57	1.79	-103
	09/14/00	NM	NM	NM
	12/11/00	7.28	4.14	-11
	03/14/01	NM	NM	NM
	06/13/01	7.04	3.61	-44
	08/29/01	NM	NM	NM
	12/13/01	7.05	3.26	52

TABLE 3
PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

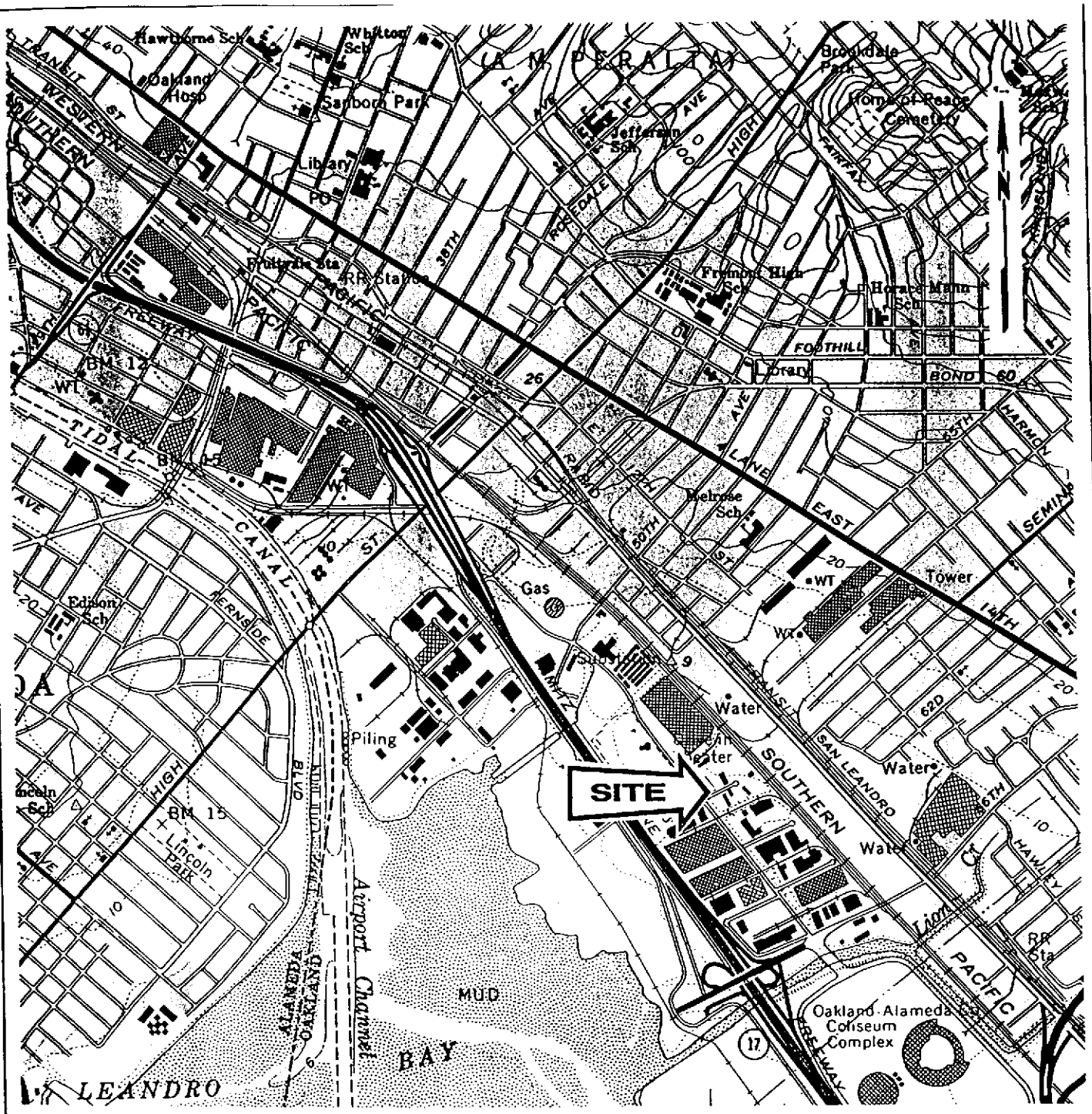
WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-6	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	NM	NM	NM
	06/13/01	NM	NM	NM
	08/29/01	NM	NM	NM
	12/13/01	NM	NM	NM
MW-7	12/28/99	7.94	1.30	-58
	03/14/00	7.23	1.05	-260
	06/28/00	7.18	5.76	-164
	09/14/00	7.06	0.65	-306
	12/12/00	7.02	1.25	-70
	03/14/01	7.10	0.94	-6
	06/13/01	7.03	1.77	-94
	08/29/01	7.34	NM	58
	12/12/01	7.09	0.98	47
MW-8	12/28/99	7.79	0.42	-136
	03/14/00	7.05	1.53	-27
	06/28/00	8.86	1.87	-77
	09/14/00	7.32	1.07	-166
	12/12/00	7.05	1.16	-61
	03/14/01	7.21	2.55	16
	06/13/01	7.10	2.43	-21
	08/29/01	7.52	NM	9
	12/13/01	7.15	1.55	12
OW-1	12/28/99	7.67	0.99	-89
	03/15/00	7.31	1.16	-55
	06/29/00	6.34	3.29	-48
	09/14/00	7.02	0.98	-115
	12/12/00	6.94	1.98	-5
	03/14/01	7.04	2.89	-5
	06/13/01	6.76	1.11	-58
	08/29/01	7.04	NM	-39
	12/12/01	6.83	1.17	-46
OW-2	12/28/99	7.69	1.79	-58
	03/15/00	7.25	0.99	-35
	06/29/00	6.44	2.39	-66
	09/14/00	7.21	1.33	-89
	12/12/00	6.90	1.44	-76
	03/14/01	7.16	2.68	-54

TABLE 3
PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
OW-2 Cont.	06/13/01	6.97	1.15	-92
	08/29/01	7.16	NM	-93
	12/12/01	6.81	1.36	-61

Notes:

D.O. - Dissolved Oxygen
mg/L - milligrams per liter
ORP - Oxidation Reduction Potential
NM - Not Measured



0 2000 4000

SCALE IN FEET

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
OAKLAND EAST, CALIFORNIA
(PHOTOREVISED 1980)

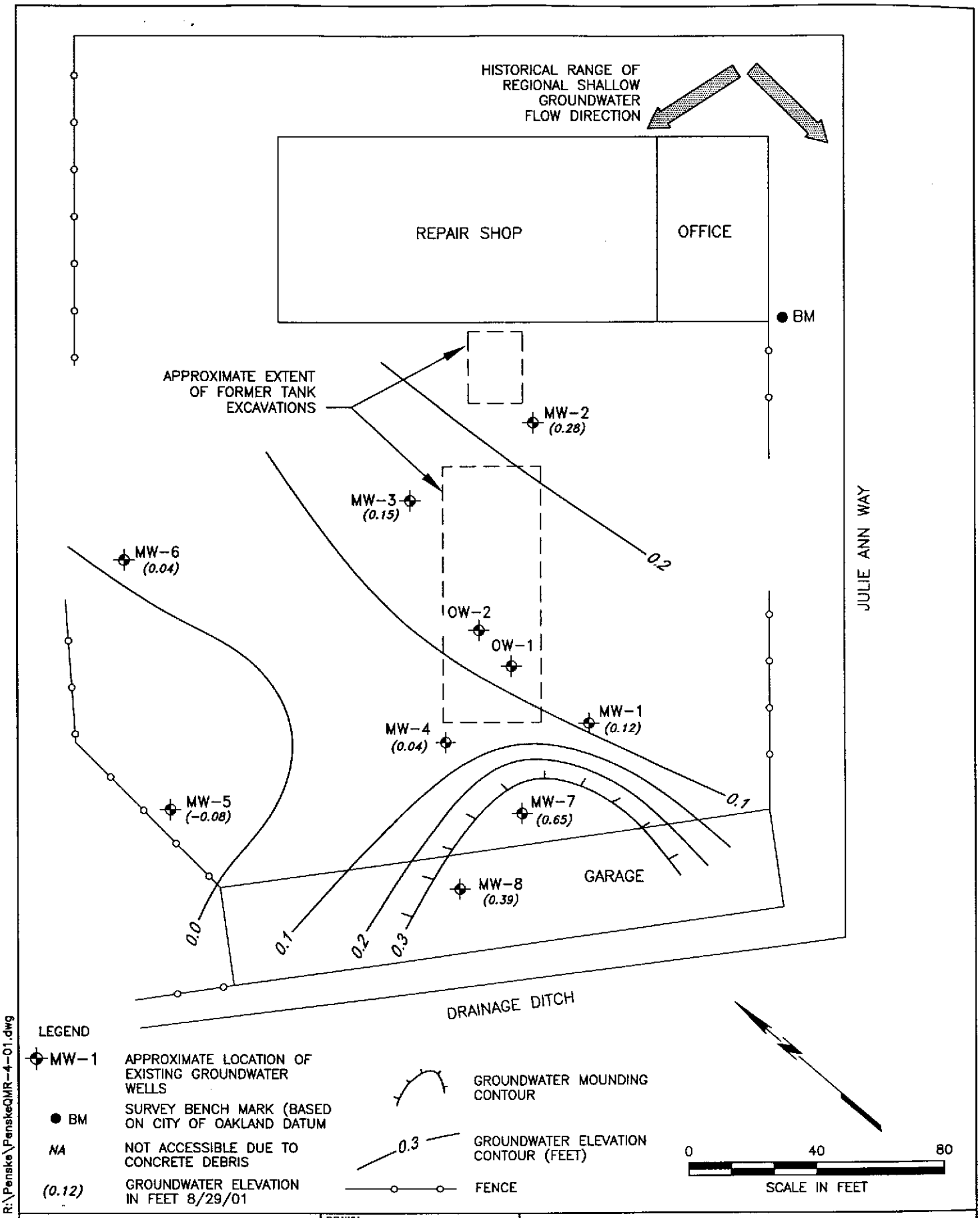
SECOR
International Incorporated

DRAWN	GEL
APPR	AEM
DATE	10NOV99
JOB NO.	014.07694.001

FIGURE 1
FORMER PENSKE TRUCKING COMPANY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

SITE LOCATION MAP

199812.271039 X:\OAKLAND\ACAD\PENSKE\PENSKE-014.07694.001-001.DWG 2/21/00



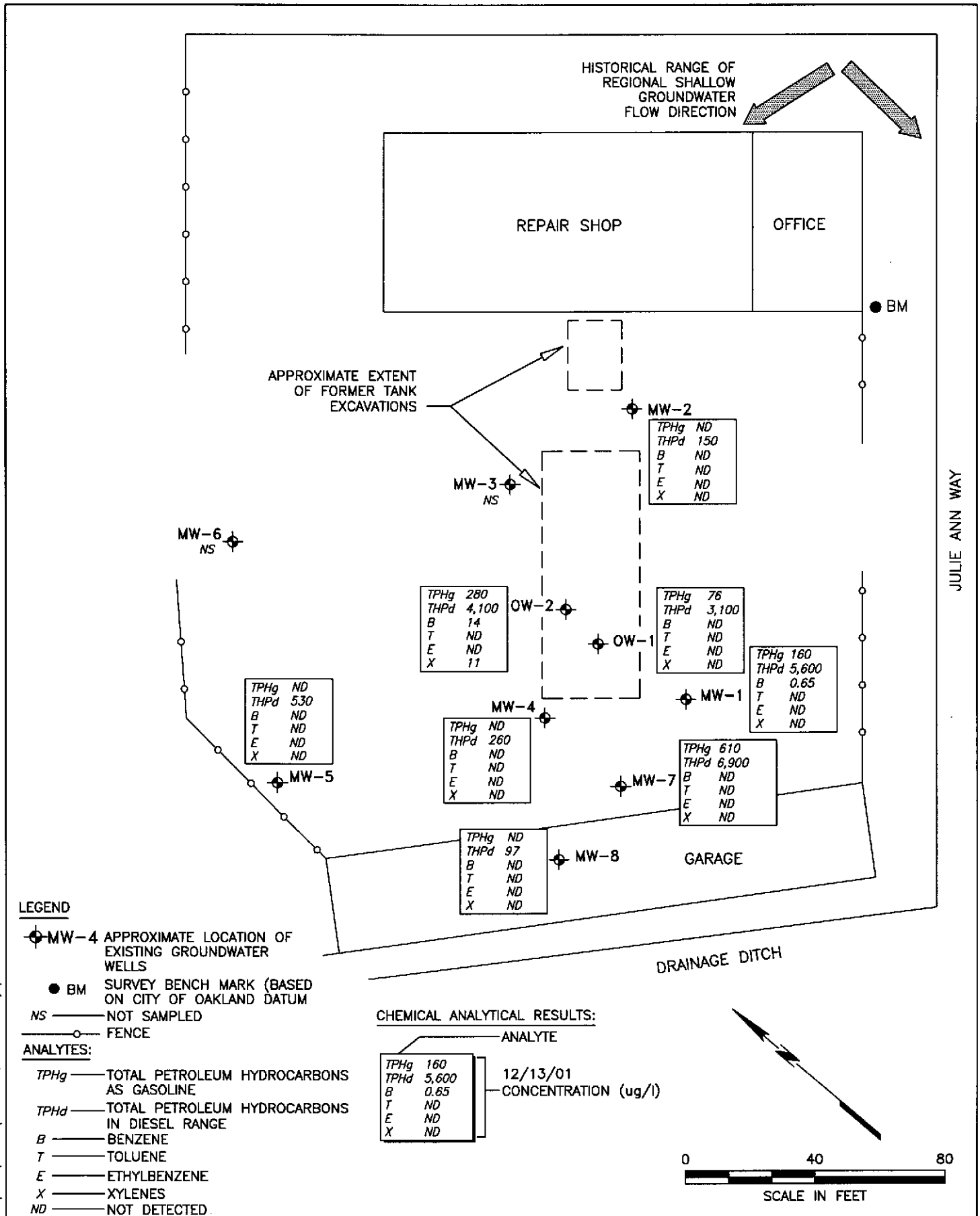
20020215.09281333 R:\Penske\PenskeQMR-4-01.dwg

SECOR
International Incorporated

DRAWN	RRR
APPR	AMcG
DATE	1 FEB 02
JOB NO.	014.07701.001

FIGURE 2
FORMER PENSKE TRUCKING COMPANY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

SHALLOW GROUNDWATER CONTOURS 4TH QUARTER, 2001



199812.271039 X:\OAKLAND\ACAD\PENSKE\PENSKE-4QRT-00.DWG 2/1/01

SECOR International Incorporated

DRAWN	RRR
APPR	AMcG
DATE	1 FEB 02
JOB NO.	014.07701.001

FIGURE 3
FORMER PENSKE TRUCKING COMPANY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

PETROLEUM HYDROCARBON CONCENTRATIONS 4TH QUARTER, 2001

APPENDIX A

WATER SAMPLE FIELD DATA SHEETS

HYDROLOGIC DATA SHEET

DATE: 12/12/01 PROJECT: Peake 4th Qtr Mon, PROJECT # 014.07701.001

EVENT: 4th Qtr Monitoring SAMPLER: CM

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTP	PT	ELEV	
MW-1			5.31	5.30	~~Heavy Sheen 0.01~~		Black Oily Product
MW-2			5.92				
MW-3			5.95				
MW-4			5.14				Sheen on purge water
MW-5			4.79				
MW-6			5.33				
MW-7			4.73	Sheen 4.73			Sheen
MW-8			5.05				
~~MW~~							
OW-1			4.80				Sheen on pur water
OW-2			5.10				Sheen on purge wate

CODES: TOC - TOP OF CASING (FEET, RELATIVE TO MEAN SEA LEVEL)
DTW - DEPTH TO WATER (FEET)
DTP - DEPTH TO PRODUCT (FEET)
PT - PRODUCT THICKNESS (FEET)

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: OW-1

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: OW-1

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?:

DATE PURGED 12-12-01 START (2400hr) 11:00

DATE SAMPLED 12-12-01 SAMPLE TIME (2400hr) 12:00

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ___ (0.17) 3" ___ (0.38) 4" X (0.67) 5" ___ (1.02) 6" ___ (1.50) 8" ___ (2.60) Other ___ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 14.20 CASING VOLUME (gal) = 6.30

DEPTH TO WATER (feet) = 4.80 CALCULATED PURGE (gal) = 18.89

WATER COLUMN HEIGHT (feet) = 9.40 ACTUAL PURGE (gal) = 19.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe2+ (mg/L)
12-12	11:15	6	18.6	2.79 s/m	6.83	Mod.	-56	
↓	11:30	13	18.5	2.73	6.84	"	-44	
↓	11:45	19	18.1	2.81	6.85	"	-46	
								1.5

Pre-purge DO 12.8% 1.17 mg/L Post-purge DO 12.8% 1.17 mg/L

80% RECHARGE: ✓ YES ___ NO ANALYSES: TPHg/BTEX/MTBE/TPHd/ Chloride, nitrate, sulfate

ODOR: moderate SAMPLE VESSEL / PRESERVATIVE: 3 HCl VOAs / 1 NP Liter / Plastic

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Well Wizard Bladder Pump	___ Bailer (Teflon)	___ WW Bladder Pump	___ Bailer (Teflon)
___ Active Extration Well Pump	X Bailer (PVC or X disp)	___ Sample Port	X Bailer (___ PVC or X disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristaltic Pump	___ Dedicated ___	___ Peristaltic Pump	___ Dedicated ___
Other: ___		Other: ___	
Pump Depth: ___			

WELL INTEGRITY: good

COMMENTS:

Slight Sheen on buckets of purge water. Water looks light yellow.

SIGNATURE:

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: OW-2

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: OW-2

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: _____

DATE PURGED 12-12-01 START (2400hr) 12:30

DATE SAMPLED 12-12-01 SAMPLE TIME (2400hr) 13:30

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" X 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 14.20 CASING VOLUME (gal) = 6.10

DEPTH TO WATER (feet) = 5.10 CALCULATED PURGE (gal) = 18.29

WATER COLUMN HEIGHT (feet) = 9.10 ACTUAL PURGE (gal) = 19.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe2+ (mg/L)
12-12	12:45	6.5	18.1	2.19 s/m	6.85	Mod.	-74	
↓	13:00	13.0	17.7	2.33	6.80	"	-61	
↓	13:15	19.0	17.4	2.31	6.81	"	-61	
								3.0

Pre-purge DO 15.1% 1.42 mg/L Post-purge DO 12.9% 1.36 mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPHg / BTEX / MTBE / TPHd / Sulfate, Nitrate,

ODOR: Strong SAMPLE VESSEL / PRESERVATIVE: 3 HCl Vials / 2 NP liters / Plastic

PURGING EQUIPMENT

____ Well Wizard Bladder Pump
____ Active Extration Well Pump
____ Submersible Pump
____ Peristaltic Pump
____ Bailer (Teflon)
X Bailer (PVC or X disp)
____ Bailer (Stainless Steel)
____ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

____ WW Bladder Pump
____ Sample Port
____ Submersible Pump
____ Peristaltic Pump
____ Bailer (Teflon)
X Bailer (___ PVC or X disposable)
____ Bailer (Stainless Steel)
____ Dedicated ____
Other: ____

WELL INTEGRITY: good

COMMENTS:

Sheen on purge water

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: MW-1

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: MW-1

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: —

DATE PURGED 12-12-01 START (2400hr) 14:30

DATE SAMPLED 12-12-01 SAMPLE TIME (2400hr) 15:30

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )
	____	____	X	____	____	____	____

DEPTH TO BOTTOM (feet) = 33.8 CASING VOLUME (gal) = 19.09

DEPTH TO WATER (feet) = 5.31 CALCULATED PURGE (gal) = 57.26

WATER COLUMN HEIGHT (feet) = 28.49 ACTUAL PURGE (gal) = 60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe2+ (mg/L)
12-12	14:45	20	19.3	0.545 s/m	7.56	low	134	
	15:00	40	18.1	4.79	7.04	"	26	
↓	15:15	60	17.9	~~4.69~~ 4.82	6.93	"	-4	
								0.8

Pre-purge DO 13.9% 1.36 mg/L Post-purge DO 13.7% 1.28 mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPHg / BTEX / MTBE / TPHd

ODOR: strong SAMPLE VESSEL / PRESERVATIVE: 3 HCl VOAs + 1 NP liter

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
____ Well Wizard Bladder Pump	____ Bailer (Teflon)	____ WW Bladder Pump	____ Bailer (Teflon)
____ Active Extration Well Pump	____ Bailer (PVC or ___ disp)	____ Sample Port	X Bailer (___ PVC or X disposable)
X Submersible Pump (Whale)	____ Bailer (Stainless Steel)	____ Submersible Pump	____ Bailer (Stainless Steel)
____ Peristaltic Pump	____ Dedicated ____	____ Peristaltic Pump	____ Dedicated ____
Other: ____		Other: ____	
Pump Depth: 7'			

WELL INTEGRITY: good

COMMENTS:

Heavy sheen on water

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: MW-2

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: MW-2

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: —

DATE PURGED 12-12-01 START (2400hr) 16:20

DATE SAMPLED 12-12-01 SAMPLE TIME (2400hr) 17:00

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" X 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 29.30 CASING VOLUME (gal) = 15.66

DEPTH TO WATER (feet) = 5.92 CALCULATED PURGE (gal) = 46.99

WATER COLUMN HEIGHT (feet) = 23.38 ACTUAL PURGE (gal) = 48

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe2+ (mg/L)
12-12	16:30	16	17.8	1.11 S/m	7.76	mod	-34	
↓	16:40	32	18.1	4.76	7.08	low	-2	
↓	16:50	48	17.8	4.65	7.13	"	13	
								0

Pre-purge DO 4.0 % 0.36 mg/L Post-purge DO 9.6 % 0.88 mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPHg / BTEX / MTBE / TPHd

ODOR: None SAMPLE VESSEL / PRESERVATIVE: 3 HCl VOAs + 1 NP liter

PURGING EQUIPMENT

____ Well Wizard Bladder Pump
____ Active Extration Well Pump
X Submersible Pump
____ Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (PVC or ___ disp)
____ Bailer (Stainless Steel)
____ Dedicated ____

Other: ____

Pump Depth: 8'

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
___ Bailer (Teflon)
X Bailer (___ PVC or X disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

WELL INTEGRITY: OK

COMMENTS: replaced J-plug, cleaned out box

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: MW-4

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: MW-4

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?:

DATE PURGED 12-13-01 START (2400hr) 11:10

DATE SAMPLED 12-13-01 SAMPLE TIME (2400hr) 12:00

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ___ 3" ___ 4" X 5" ___ 6" ___ 8" ___ Other ___

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 33.10 CASING VOLUME (gal) = 18.73

DEPTH TO WATER (feet) = 5.14 CALCULATED PURGE (gal) = 56.20

WATER COLUMN HEIGHT (feet) = 27.96 ACTUAL PURGE (gal) = 56.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe2+ (mg/L)
12-13	11:20	18	16.5	4.85 s/m	6.83	low	-95	
"	11:30	36	17.1	11.87	6.86	"	181	
"	11:40	56.5	17.4	12.26	6.88	"	199	
								0.0 *

Pre-purge DO 3.5% 0.34 mg/L Post-purge DO 27.8% 2.50 mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPHg / BTEX / MTBE / TPHd

ODOR: Strong SAMPLE VESSEL / PRESERVATIVE: 3 HCl Voas + 1 NP liter

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extration Well Pump
___ Submersible Pump
___ Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (PVC or ___ disp)
___ Bailer (Stainless Steel)
X Dedicated tube

Other: Centrifical pump

Pump Depth: Top of water column

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
___ Bailer (Teflon)
X Bailer (___ PVC or X disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

WELL INTEGRITY: good

COMMENTS:

Sheen on purge water, * initial water at start of purge looked yellow - cleared up over purge

SIGNATURE:

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: MW-5

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: MW-5

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: _____

DATE PURGED 12-13-01 START (2400hr) 9:50

DATE SAMPLED 12-13-01 SAMPLE TIME (2400hr) 11:00

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" X 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 31.5 CASING VOLUME (gal) = 17.90

DEPTH TO WATER (feet) = 4.79 CALCULATED PURGE (gal) = 53.69

WATER COLUMN HEIGHT (feet) = 26.71 ACTUAL PURGE (gal) = 54

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe2+ (mg/L)
12-13	10:00	18	14.5	2.20	6.91	low	-60	
↓	10:10	36	14.9	4.42	7.02	"	47	
↓	10:20	54	15.1	4.59	7.05	"	52	
								0.4

Pre-purge DO 32.8% 3.26 mg/L Post-purge DO 42.2% 3.98 mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPH g / BTEX / MTBE / TPH d

ODOR: Faint SAMPLE VESSEL / PRESERVATIVE: 3 HCl VOAs + 1 NP liter

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extration Well Pump
___ Submersible Pump
___ Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (PVC or ___ disp)
___ Bailer (Stainless Steel)
X Dedicated Tubr

Other: Centrifical pump

Pump Depth: top of water column

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
___ Bailer (Teflon)
X Bailer (___ PVC or X disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

WELL INTEGRITY: ____

COMMENTS:

pumped almost dry - let recharge

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: MW-7

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: MW-7

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: —

DATE PURGED 12-12-01 START (2400hr) 13:30

DATE SAMPLED 12-12-01 SAMPLE TIME (2400hr) 14:30

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	X (0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = 33.80 CASING VOLUME (gal) = 19.48

DEPTH TO WATER (feet) = 4.73 CALCULATED PURGE (gal) = 58.43

WATER COLUMN HEIGHT (feet) = 29.07 ACTUAL PURGE (gal) = 60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe^{2+} (mg/L)
12-12	13:45	20	17.3	5.25 S/m	7.15	low	88	
↓	14:00	40	17.1	3.67	7.11	"	51	
↓	14:15	60	16.8	3.55	7.04	"	97	
								0.4

Pre-purge DO 10.2 % 0.73 mg/L Post-purge DO 10.4 % 0.98 mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPHg/BTEX/MTBE/TPHd

ODOR: Strong SAMPLE VESSEL / PRESERVATIVE: 3 HCl VOAs + 1 NP liter

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Well Wizard Bladder Pump	___ Bailer (Teflon)	___ WW Bladder Pump	___ Bailer (Teflon)
___ Active Extration Well Pump	___ Bailer (PVC or ___ disp)	___ Sample Port	X Bailer (___ PVC or X disposable)
X Submersible Pump (white)	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristaltic Pump	___ Dedicated ___	___ Peristaltic Pump	___ Dedicated ___
Other: ___		Other: ___	
Pump Depth: 6'			

WELL INTEGRITY: good

COMMENTS:

Sheen on water

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: CM WELL I.D.: MW-8

CLIENT NAME: Penske SAMPLED BY: CM SAMPLE I.D.: MW-8

LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: -

DATE PURGED 12-13-01 START (2400hr) 8:50

DATE SAMPLED 12-17-01 SAMPLE TIME (2400hr) 10:30

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ___ (0.17) 3" ___ (0.38) 4" X (0.67) 5" ___ (1.02) 6" ___ (1.50) 8" ___ (2.60) Other ___ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 25.88 CASING VOLUME (gal) = 13.90

DEPTH TO WATER (feet) = 5.05 CALCULATED PURGE (gal) = 41.71

WATER COLUMN HEIGHT (feet) = 20.75 ACTUAL PURGE (gal) = 42

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe^{2+} (mg/L)
12-13	9:00	14	14.7	4.48 s/m	6.91	low	128	
↓	9:10	28	15.1	5.91	7.11	mod	17	
↓	9:20	42	15.3	6.00	7.15	"	12	
								0.5

Pre-purge DO 24.3% 2.44mg/L Post-purge DO 16.1% 1.55mg/L

80% RECHARGE: X YES ___ NO ANALYSES: TPHg / BTEX / MTBE / TPHd

ODOR: Faint SAMPLE VESSEL / PRESERVATIVE: 3 HCl VOAs + 1 NP liter

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Well Wizard Bladder Pump	___ Bailer (Teflon)	___ WW Bladder Pump	___ Bailer (Teflon)
___ Active Extration Well Pump	___ Bailer (PVC or ___ disp)	___ Sample Port	X Bailer (___ PVC or X disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristaltic Pump	X Dedicated tube	___ Peristaltic Pump	___ Dedicated ___
Other: Centrifugal pump		Other: ___	
Pump Depth: top of water column			

WELL INTEGRITY: good

COMMENTS:

pumped almost dry - let recharge

SIGNATURE:

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Oakland
Address: 360 - 22nd St. # 600
Oakland, CA 94612

☐ Additional documents are attached, and are a part of this Record.

Job Name: Peaske
Location: 725 Julie Ann Way
Oakland, CA

Project # 014.07701.001 Task # ____
Project Manager August McGrath
Laboratory STL - Chromalab
Turnaround Time Standard

Sampler's Name Charles McLaughlin
Sampler's Signature [signature]

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020 MTBE	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
MW-7	12-12-01	14:30	water		X	X													4
MW-1	↓	15:30	↓		X	X													4
MW-2	↓	17:00	↓		X	X													4
MW-8	12-13-01	10:30	↓		X	X													4
MW-5	↓	11:00	↓		X	X													4
MW-4	↓	12:00	↓		X	X													4
																			1

Special Instructions/Comments:

Relinquished by:
Sign [signature]
Print Charles McLaughlin
Company SECOR
Time 14:45 Date 12-13-01

Received by:
Sign ____
Print ____
Company ____
Time ____ Date ____

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold:
Conforms to record:

Relinquished by:
Sign ____
Print ____
Company ____
Time ____ Date ____

Received by:
Sign ____
Print ____
Company ____
Time ____ Date ____

Client: ____
Client Contact: ____
Client Phone: ____

SECOR CUSTREC Rev. 2/99

Date: 12 / 13 / 01 Page 1 of 1

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Oakland
Address: 360 - 22nd St. # 600
Oakland CA 94612

☐ Additional documents are attached, and are a part of this Record.

Job Name: Penske
Location: 725 Julie Ann Way
Oakland, CA

Project # 014.0770I.001 Task # ____
Project Manager Angus McBeath
Laboratory STL Chromalab
Turnaround Time Standard

Sampler's Name Charles McLennan
Sampler's Signature [signature]

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G MTBE 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Cl, Nitrate, Sulfate		Comments/ Instructions	Number of Containers
OW-1	12-12-01	12:00	Water		X	X										X			5
OW-2	"	13:30	"		X	X										X			5

Special Instructions/Comments:

Relinquished by:	Received by:	Sample Receipt
Sign [signature]	Sign [signature]	Total no. of containers:
Print Charles McLennan	Print [illegible]	Chain of custody seals:
Company SECOR	Company [illegible]	Rec'd in good condition/cold:
Time 13:45 Date 12-12-01	Time [illegible] Date 12/12/01	Conforms to record:
Relinquished by:	Received by:	Client:
Sign	Sign	
Print	Print	Client Contact:
Company	Company	
Time Date	Time Date	Client Phone:

SECOR CUSTREC Rev. 2/99

Date: 12 / 12 / 01 Page 1 of 1

SEVERN TRENT SERVICES

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Legend & Notes

Test Method: 8015M
8021B

Prep Method: 5030

QC Compound Flags

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference. Precision and Accuracy were verified by LCS/LCSD.

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Chain-of Custody Number: 63704

SECOR Chain-of Custody Record 2001-12-0294

Field Office: Oakland
Address: 360 - 22nd St. #600
Oakland, CA 94612

☐ Additional documents are attached, and are a part of this Record.

Job Name: Peralta
Location: 725 Julie Ann Way
Oakland, CA

Project # 014.07701.001 Task # ____
Project Manager Angus McGrath
Laboratory STL - Chromalab
Turnaround Time Standard

Sampler's Name Charles McLemore
Sampler's Signature

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
MW-7	12-12-01	14:30	water		X	X													4
MW-1	↓	15:30	↓		X	X													4
MW-2	↓	17:00	↓		X	X													4
MW-8	12-13-01	10:30	↓		X	X													4
MW-5	↓	11:00	↓		X	X													4
MW-4	↓	12:00	↓		X	X													4

Special Instructions/Comments:

Relinquished by:
Sign
Print Charles McLemore
Company SECOR
Time 14:45 Date 12-12-01

Received by:
Sign Surinder Sidhu
Print SURINDER SIDHU
Company STL-CL 1488
Time 14:45 Date 12/13/01

Relinquished by: Surinder Sidhu
Sign
Print SURINDER SIDHU
Company STL - CL
Time 6:15 AM Date 12/17/01

Received by:
Sign Denise Harrington
Print D. Harrington
Company STL CL
Time 1000 Date 12/17/01

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold:
Conforms to record:

Client:
Client Contact:
Client Phone:

SECOR CUSTREC Rev. 2/99

Date: 12 / 13 / 01 Page 1 of 1

Submission #: 2001-12-0216

Date: December 26, 2001

SEVERN TRENT SERVICES

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

SECOR-Oakland

360 22nd Street, Suite 600
Oakland, CA 94612

Angus McGrath

Project: 014.07701.001
Penske
725 Julie Ann Way

Attached is our report for your samples received on Wednesday December 12, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after January 26, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@chromalab.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

Submission #: 2001-12-0294

Date: December 26, 2001

SEVERN TRENT SERVICES

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

SECOR-Oakland

360 22nd Street, Suite 600
Oakland, CA 94612

Angus McGrath

Project: 014.07701.001
Penske
725 Julie Ann Way

Attached is our report for your samples received on Friday December 14, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after January 28, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@chromalab.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

SECOR-Oakland	✉ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
014.07701.001 Site 725 Julie Ann Way	Project: Penske

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-7	Water	12/12/2001 14:30	1
MW-1	Water	12/12/2001 15:30	2
MW-2	Water	12/12/2001 17:00	3
MW-8	Water	12/13/2001 10:30	4
MW-5	Water	12/13/2001 11:00	5
MW-4	Water	12/13/2001 12:00	6

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M

Prep Method: 3510/8015M

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2001-12-0294-001
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/17/2001 11:58
Sampled:	12/12/2001 14:30	QC-Batch:	2001/12/17-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	6900	50	ug/L	1.00	12/18/2001 10:31	ndp
Surrogate(s)						
o-Terphenyl	81.8	60-130	%	1.00	12/18/2001 10:31	

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland
Attn: Angus McGrath

Test Method: 8015M
Prep Method: 3510/8015M

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-1**	Lab Sample ID:	2001-12-0294-002
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/17/2001 11:58
Sampled:	12/12/2001 15:30	QC-Batch:	2001/12/17-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5600	50	ug/L	1.00	12/18/2001 11:17	ndp
Surrogate(s)						
o-Terphenyl	81.0	60-130	%	1.00	12/18/2001 11:17	

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M

Prep Method: 3510/8015M

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-2**	Lab Sample ID:	2001-12-0294-003
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/17/2001 11:58
Sampled:	12/12/2001 17:00	QC-Batch:	2001/12/17-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	150	50	ug/L	1.00	12/18/2001 12:04	ndp
Surrogate(s)						
o-Terphenyl	80.3	60-130	%	1.00	12/18/2001 12:04	

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland
Attn: Angus McGrath

Test Method: 8015M
Prep Method: 3510/8015M

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2001-12-0294-004
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/17/2001 11:58
Sampled:	12/13/2001 10:30	QC-Batch:	2001/12/17-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	97	50	ug/L	1.00	12/18/2001 08:58	ndp
Surrogate(s)						
o-Terphenyl	85.8	60-130	%	1.00	12/18/2001 08:58	

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M

Prep Method: 3510/8015M

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-5**	Lab Sample ID:	2001-12-0294-005
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/17/2001 11:58
Sampled:	12/13/2001 11:00	QC-Batch:	2001/12/17-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	530	50	ug/L	1.00	12/18/2001 09:44	ndp
Surrogate(s)						
o-Terphenyl	83.9	60-130	%	1.00	12/18/2001 09:44	

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland
Attn: Angus McGrath

Test Method: 8015M
Prep Method: 3510/8015M

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-4**	Lab Sample ID:	2001-12-0294-006
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/17/2001 11:58
Sampled:	12/13/2001 12:00	QC-Batch:	2001/12/17-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	260	50	ug/L	1.00	12/18/2001 09:14	ndp
Surrogate(s)						
o-Terphenyl	97.0	60-130	%	1.00	12/18/2001 09:14	

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CA DHS ELAP#1094

Diesel

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015 M

Method Blank | **Water** | **QC Batch # 2001/12/17-02.10**

MB: 2001/12/17-02.10-001

Date Extracted: 12/17/2001 11:58

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/17/2001 17:54	
Surrogate(s)					
o-Terphenyl	85.1	60-130	%	12/17/2001 17:54	

Submission #: 2001-12-0294

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Diesel

Batch QC report

Test Method: 8015M Prep Method: 3510/8015M

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/17-02.10**
LCS:	2001/12/17-02.10-002	Extracted:	12/17/2001 11:58	Analyzed: 12/17/2001 16:39
LCSD:	2001/12/17-02.10-003	Extracted:	12/17/2001 11:58	Analyzed: 12/17/2001 17:17

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1110	1100	1250	1250	88.8	88.0	0.9	60-130	25		
Surrogate(s)											
o-Terphenyl	16.8	16.4	20.0	20.0	83.8	82.2		60-130	0		

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Diesel

Legend & Notes

Test Method: 8015M Prep Method: 3510/8015M

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP#1094

SECOR-Oakland	✉ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
014.07701.001 Site 725 Julie Ann Way	Project: Penske

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-7	Water	12/12/2001 14:30	1
MW-1	Water	12/12/2001 15:30	2
MW-2	Water	12/12/2001 17:00	3
MW-8	Water	12/13/2001 10:30	4
MW-5	Water	12/13/2001 11:00	5
MW-4	Water	12/13/2001 12:00	6

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M 8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2001-12-0294-001
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/20/2001 21:31
Sampled:	12/12/2001 14:30	QC-Batch:	2001/12/20-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	610	50	ug/L	1.00	12/20/2001 21:31	g
Benzene	ND	0.50	ug/L	1.00	12/20/2001 21:31	
Toluene	ND	0.50	ug/L	1.00	12/20/2001 21:31	
Ethyl benzene	ND	0.50	ug/L	1.00	12/20/2001 21:31	
Xylene(s)	ND	0.50	ug/L	1.00	12/20/2001 21:31	
MTBE	ND	5.0	ug/L	1.00	12/20/2001 21:31	
Surrogate(s)						
Trifluorotoluene	93.5	58-124	%	1.00	12/20/2001 21:31	
4-Bromofluorobenzene-FID	99.2	50-150	%	1.00	12/20/2001 21:31	

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M 8021B

Prep Method: 5030

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Sample ID:	**MW-1**	Lab Sample ID:	2001-12-0294-002
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/21/2001 11:49
Sampled:	12/12/2001 15:30	QC-Batch:	2001/12/21-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	160	50	ug/L	1.00	12/21/2001 11:49	g
Benzene	0.65	0.50	ug/L	1.00	12/21/2001 11:49	
Toluene	ND	0.50	ug/L	1.00	12/21/2001 11:49	
Ethyl benzene	ND	0.50	ug/L	1.00	12/21/2001 11:49	
Xylene(s)	ND	0.50	ug/L	1.00	12/21/2001 11:49	
MTBE	ND	5.0	ug/L	1.00	12/21/2001 11:49	
Surrogate(s)						
Trifluorotoluene	60.7	58-124	%	1.00	12/21/2001 11:49	
4-Bromofluorobenzene-FID	66.9	50-150	%	1.00	12/21/2001 11:49	

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M 8021B

Prep Method: 5030

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Sample ID:	**MW-2**	Lab Sample ID:	2001-12-0294-003
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/21/2001 02:26
Sampled:	12/12/2001 17:00	QC-Batch:	2001/12/20-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/21/2001 02:26	
Benzene	ND	0.50	ug/L	1.00	12/21/2001 02:26	
Toluene	ND	0.50	ug/L	1.00	12/21/2001 02:26	
Ethyl benzene	ND	0.50	ug/L	1.00	12/21/2001 02:26	
Xylene(s)	ND	0.50	ug/L	1.00	12/21/2001 02:26	
MTBE	ND	5.0	ug/L	1.00	12/21/2001 02:26	
Surrogate(s)						
Trifluorotoluene	73.2	58-124	%	1.00	12/21/2001 02:26	
4-Bromofluorobenzene-FID	79.0	50-150	%	1.00	12/21/2001 02:26	

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Test Method: 8015M 8021B

Attn: Angus McGrath

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2001-12-0294-004
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/20/2001 22:41
Sampled:	12/13/2001 10:30	QC-Batch:	2001/12/20-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/20/2001 22:41	
Benzene	ND	0.50	ug/L	1.00	12/20/2001 22:41	
Toluene	ND	0.50	ug/L	1.00	12/20/2001 22:41	
Ethyl benzene	ND	0.50	ug/L	1.00	12/20/2001 22:41	
Xylene(s)	ND	0.50	ug/L	1.00	12/20/2001 22:41	
MTBE	ND	5.0	ug/L	1.00	12/20/2001 22:41	
Surrogate(s)						
Trifluorotoluene	78.4	58-124	%	1.00	12/20/2001 22:41	
4-Bromofluorobenzene-FID	78.8	50-150	%	1.00	12/20/2001 22:41	

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

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Attn: Angus McGrath

Test Method: 8015M 8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-5**	Lab Sample ID:	2001-12-0294-005
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/20/2001 23:13
Sampled:	12/13/2001 11:00	QC-Batch:	2001/12/20-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/20/2001 23:13	
Benzene	ND	0.50	ug/L	1.00	12/20/2001 23:13	
Toluene	ND	0.50	ug/L	1.00	12/20/2001 23:13	
Ethyl benzene	ND	0.50	ug/L	1.00	12/20/2001 23:13	
Xylene(s)	ND	0.50	ug/L	1.00	12/20/2001 23:13	
MTBE	ND	5.0	ug/L	1.00	12/20/2001 23:13	
Surrogate(s)						
Trifluorotoluene	72.6	58-124	%	1.00	12/20/2001 23:13	
4-Bromofluorobenzene-FID	76.2	50-150	%	1.00	12/20/2001 23:13	

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

Sample ID:	**MW-4**	Lab Sample ID:	2001-12-0294-006
Project:	014.07701.001 Penske	Received:	12/14/2001 14:45
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/20/2001 23:45
Sampled:	12/13/2001 12:00	QC-Batch:	2001/12/20-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/20/2001 23:45	
Benzene	ND	0.50	ug/L	1.00	12/20/2001 23:45	
Toluene	ND	0.50	ug/L	1.00	12/20/2001 23:45	
Ethyl benzene	ND	0.50	ug/L	1.00	12/20/2001 23:45	
Xylene(s)	ND	0.50	ug/L	1.00	12/20/2001 23:45	
MTBE	ND	5.0	ug/L	1.00	12/20/2001 23:45	
Surrogate(s)						
Trifluorotoluene	77.2	58-124	%	1.00	12/20/2001 23:45	
4-Bromofluorobenzene-FID	83.0	50-150	%	1.00	12/20/2001 23:45	

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank | **Water** | **QC Batch # 2001/12/20-01.02**

MB: 2001/12/20-01.02-003 | Date Extracted: 12/20/2001 08:11

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/20/2001 08:11	
Benzene	ND	0.5	ug/L	12/20/2001 08:11	
Toluene	ND	0.5	ug/L	12/20/2001 08:11	
Ethyl benzene	ND	0.5	ug/L	12/20/2001 08:11	
Xylene(s)	ND	0.5	ug/L	12/20/2001 08:11	
MTBE	ND	5.0	ug/L	12/20/2001 08:11	
Surrogate(s)					
Trifluorotoluene	103.2	58-124	%	12/20/2001 08:11	
4-Bromofluorobenzene-FID	99.4	50-150	%	12/20/2001 08:11	

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank **Water** **QC Batch # 2001/12/20-01.05**

MB: 2001/12/20-01.05-003 Date Extracted: 12/20/2001 08:56

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/20/2001 08:56	
Benzene	ND	0.5	ug/L	12/20/2001 08:56	
Toluene	ND	0.5	ug/L	12/20/2001 08:56	
Ethyl benzene	ND	0.5	ug/L	12/20/2001 08:56	
Xylene(s)	ND	0.5	ug/L	12/20/2001 08:56	
MTBE	ND	5.0	ug/L	12/20/2001 08:56	
Surrogate(s)					
Trifluorotoluene	87.0	58-124	%	12/20/2001 08:56	
4-Bromofluorobenzene-FID	88.5	50-150	%	12/20/2001 08:56	

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank | **Water** | **QC Batch # 2001/12/21-01.02**

MB: 2001/12/21-01.02-004

Date Extracted: 12/21/2001 09:07

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/21/2001 09:07	
Benzene	ND	0.5	ug/L	12/21/2001 09:07	
Toluene	ND	0.5	ug/L	12/21/2001 09:07	
Ethyl benzene	ND	0.5	ug/L	12/21/2001 09:07	
Xylene(s)	ND	0.5	ug/L	12/21/2001 09:07	
MTBE	ND	5.0	ug/L	12/21/2001 09:07	
Surrogate(s)					
Trifluorotoluene	93.0	58-124	%	12/21/2001 09:07	
4-Bromofluorobenzene-FID	95.7	50-150	%	12/21/2001 09:07	

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/20-01.02**
LCS:	2001/12/20-01.02-004	Extracted: 12/20/2001 08:43	Analyzed:	12/20/2001 08:43
LCSD:	2001/12/20-01.02-005	Extracted: 12/20/2001 09:15	Analyzed:	12/20/2001 09:15

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	111	107	100.0	100.0	111.0	107.0	3.7	77-123	20		
Toluene	105	101	100.0	100.0	105.0	101.0	3.9	78-122	20		
Ethyl benzene	110	119	100.0	100.0	110.0	119.0	7.9	70-130	20		
Xylene(s)	325	311	300	300	108.3	103.7	4.3	75-125	20		
Surrogate(s)											
Trifluorotoluene	562	526	500	500	112.4	105.2		58-124			

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/20-01.02**
LCS:	2001/12/20-01.02-006	Extracted: 12/20/2001 09:47	Analyzed:	12/20/2001 09:47
LCSD:	2001/12/20-01.02-007	Extracted: 12/20/2001 10:18	Analyzed:	12/20/2001 10:18

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	439	440	500	500	87.8	88.0	0.2	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-	540	528	500	500	108.0	105.6		50-150			

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/20-01.05**
LCS:	2001/12/20-01.05-006	Extracted: 12/20/2001 10:33	Analyzed:	12/20/2001 10:33
LCSD:	2001/12/20-01.05-007	Extracted: 12/20/2001 11:05	Analyzed:	12/20/2001 11:05

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	416	458	500	500	83.2	91.6	9.6	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-	477	522	500	500	95.4	104.4		50-150			

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/20-01.05**
LCS:	2001/12/20-01.05-025	Extracted:	12/20/2001 09:28	Analyzed: 12/20/2001 09:28
LCSD:	2001/12/20-01.05-026	Extracted:	12/20/2001 10:01	Analyzed: 12/20/2001 10:01

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	97.0	96.2	100.0	100.0	97.0	96.2	0.8	77-123	20		
Toluene	89.1	88.0	100.0	100.0	89.1	88.0	1.2	78-122	20		
Ethyl benzene	93.0	92.9	100.0	100.0	93.0	92.9	0.1	70-130	20		
Xylene(s)	275	273	300	300	91.7	91.0	0.8	75-125	20		
Surrogate(s)											
Trifluorotoluene	457	476	500	500	91.4	95.2		58-124	0		

Submission #: 2001-12-0294

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/21-01.02**
LCS:	2001/12/21-01.02-005	Extracted:	12/21/2001 09:39	Analyzed: 12/21/2001 09:39
LCSD:	2001/12/21-01.02-006	Extracted:	12/21/2001 10:11	Analyzed: 12/21/2001 10:11

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	106	106	100.0	100.0	106.0	106.0	0.0	77-123	20		
Toluene	101	101	100.0	100.0	101.0	101.0	0.0	78-122	20		
Ethyl benzene	105	106	100.0	100.0	105.0	106.0	0.9	70-130	20		
Xylene(s)	310	313	300	300	103.3	104.3	1.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	529	535	500	500	105.8	107.0		58-124			

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

Batch QC report

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Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/21-01.02**
LCS:	2001/12/21-01.02-009	Extracted:	12/21/2001 11:17	Analyzed: 12/21/2001 11:17
LCSD:	2001/12/21-01.02-008	Extracted:	12/21/2001 11:17	Analyzed: 12/21/2001 11:17

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	438	438	500	500	87.6	87.6	0.0	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-	511	511	500	500	102.2	102.2		50-150	0		

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

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1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
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www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC Report

Test Method: 8021B Prep Method: 5030

Matrix Spike (MS / MSD)	**Water**		**QC Batch # 2001/12/20-01.02**
Sample ID: **MW-7 >> MS**		Lab ID:	2001-12-0294-001
MS: 2001/12/20-01.02-021	Extracted: 12/20/2001 22:02	Analyzed:	12/20/2001 22:02
		Dilution:	1
MSD: 2001/12/20-01.02-022	Extracted: 12/20/2001 22:34	Analyzed:	12/20/2001 22:34
		Dilution:	1

Compound	Conc. [ug/L]			Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Benzene	97.6	104	ND	100.0	100.0	97.6	104.0	6.3	65-135	20		
Toluene	90.7	98.2	ND	100.0	100.0	90.7	98.2	7.9	65-135	20		
Ethyl benzene	93.4	104	ND	100.0	100.0	93.4	104.0	10.7	65-135	20		
Xylene(s)	276	306	ND	300	300	92.0	102.0	10.3	65-135	20		
Surrogate(s)												
Trifluorotoluene	482			500		96.4			58-124			

Submission #: 2001-12-0294

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC Report

Test Method: 8015M Prep Method: 5030

Matrix Spike (MS / MSD)	**Water**		**QC Batch # 2001/12/20-01.02**
Sample ID: **MW-7 >> MS**		Lab ID:	2001-12-0294-001
MS: 2001/12/20-01.02-023	Extracted: 12/20/2001 23:06	Analyzed:	12/20/2001 23:06
		Dilution:	1
MSD: 2001/12/20-01.02-024	Extracted: 12/20/2001 23:38	Analyzed:	12/20/2001 23:38
		Dilution:	1

Sample / Anaysis flag:,s (See Legend & Note section)

Compound	Conc. [ug/L]			Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Gasoline	508	525	606	500	500	-19.6	-16.2	-19.	65-135	20	mso	mso
Surrogate(s)												
4-Bromofluorobenz	539	543		500	500	107.	108.6		50-150			

Submission #: 2001-12-0216

Diesel

SEVERN TRENT SERVICES

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Pleasanton, CA 94566

Tel 925 484 1919
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www.chromalab.com

CA DHS ELAP#1094

SECOR-Oakland	✉ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
014.07701.001 Site 725 Julie Ann Way	Project: Penske

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	12/12/2001 12:00	1
OW-2	Water	12/12/2001 13:30	2

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland
Attn: Angus McGrath

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**OW-1**	Lab Sample ID:	2001-12-0216-001
Project:	014.07701.001 Penske	Received:	12/12/2001 16:53
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/14/2001 10:11
Sampled:	12/12/2001 12:00	QC-Batch:	2001/12/14-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3100	50	ug/L	1.00	12/14/2001 22:41	ndp
Surrogate(s)						
o-Terphenyl	88.2	60-130	%	1.00	12/14/2001 22:41	

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Diesel

SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015M

Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**OW-2**	Lab Sample ID:	2001-12-0216-002
Project:	014.07701.001 Penske	Received:	12/12/2001 16:53
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/14/2001 10:11
Sampled:	12/12/2001 13:30	QC-Batch:	2001/12/14-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4100	50	ug/L	1.00	12/15/2001 01:12	ndp
Surrogate(s)						
o-Terphenyl	94.8	60-130	%	1.00	12/15/2001 01:12	

Submission #: 2001-12-0216

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CA DHS ELAP#1094

Diesel

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015 M

Method Blank | **Water** | **QC Batch # 2001/12/14-01.10**

MB: 2001/12/14-01.10-001

Date Extracted: 12/14/2001 10:11

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/14/2001 18:17	
Surrogate(s)					
o-Terphenyl	82.4	60-130	%	12/14/2001 18:17	

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CA DHS ELAP#1094

Diesel

Batch QC report

Test Method: 8015M Prep Method: 3510/8015M

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/14-01.10**
LCS:	2001/12/14-01.10-002	Extracted:	12/14/2001 10:11	Analyzed: 12/14/2001 18:55
LCSD:	2001/12/14-01.10-003	Extracted:	12/14/2001 10:11	Analyzed: 12/14/2001 19:32

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	898	897	1250	1250	71.8	71.8	0.0	60-130	25		
Surrogate(s)											
o-Terphenyl	17.5	17.9	20.0	20.0	87.4	89.7		60-130	0		

Submission #: 2001-12-0216

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CA DHS ELAP#1094

Diesel

Legend & Notes

Test Method: 8015M Prep Method: 3510/8015M

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP#1094

SECOR-Oakland	✉ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
014.07701.001 Site 725 Julie Ann Way	Project: Penske

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	12/12/2001 12:00	1
OW-2	Water	12/12/2001 13:30	2

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Attn: Angus McGrath

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CA DHS ELAP#1094

Test Method: 8015M
8021B

Prep Method: 5030

Sample ID:	**OW-1**	Lab Sample ID:	2001-12-0216-001
Project:	014.07701.001 Penske	Received:	12/12/2001 16:53
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/20/2001 12:18
Sampled:	12/12/2001 12:00	QC-Batch:	2001/12/20-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	76	50	ug/L	1.00	12/20/2001 12:18	g
Benzene	ND	0.50	ug/L	1.00	12/20/2001 12:18	
Toluene	ND	0.50	ug/L	1.00	12/20/2001 12:18	
Ethyl benzene	ND	0.50	ug/L	1.00	12/20/2001 12:18	
Xylene(s)	ND	0.50	ug/L	1.00	12/20/2001 12:18	
MTBE	ND	5.0	ug/L	1.00	12/20/2001 12:18	
Surrogate(s)						
Trifluorotoluene	88.1	58-124	%	1.00	12/20/2001 12:18	
4-Bromofluorobenzene-FID	86.0	50-150	%	1.00	12/20/2001 12:18	

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

SECOR-Oakland

Test Method: 8015M 8021B

Attn: Angus McGrath

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**OW-2**	Lab Sample ID:	2001-12-0216-002
Project:	014.07701.001 Penske	Received:	12/12/2001 16:53
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/20/2001 12:50
Sampled:	12/12/2001 13:30	QC-Batch:	2001/12/20-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	280	50	ug/L	1.00	12/20/2001 12:50	g
Benzene	14	0.50	ug/L	1.00	12/20/2001 12:50	
Toluene	ND	0.50	ug/L	1.00	12/20/2001 12:50	
Ethyl benzene	ND	0.50	ug/L	1.00	12/20/2001 12:50	
Xylene(s)	ND	0.50	ug/L	1.00	12/20/2001 12:50	
MTBE	11	5.0	ug/L	1.00	12/20/2001 12:50	
Surrogate(s)						
Trifluorotoluene	83.4	58-124	%	1.00	12/20/2001 12:50	
4-Bromofluorobenzene-FID	85.2	50-150	%	1.00	12/20/2001 12:50	

Submission #: 2001-12-0216

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank | **Water** | **QC Batch # 2001/12/20-01.02**

MB: 2001/12/20-01.02-003 | Date Extracted: 12/20/2001 08:11

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/20/2001 08:11	
Benzene	ND	0.5	ug/L	12/20/2001 08:11	
Toluene	ND	0.5	ug/L	12/20/2001 08:11	
Ethyl benzene	ND	0.5	ug/L	12/20/2001 08:11	
Xylene(s)	ND	0.5	ug/L	12/20/2001 08:11	
MTBE	ND	5.0	ug/L	12/20/2001 08:11	
Surrogate(s)					
Trifluorotoluene	103.2	58-124	%	12/20/2001 08:11	
4-Bromofluorobenzene-FID	99.4	50-150	%	12/20/2001 08:11	

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/20-01.02**
LCS:	2001/12/20-01.02-004	Extracted:	12/20/2001 08:43	Analyzed: 12/20/2001 08:43
LCSD:	2001/12/20-01.02-005	Extracted:	12/20/2001 09:15	Analyzed: 12/20/2001 09:15

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	111	107	100.0	100.0	111.0	107.0	3.7	77-123	20		
Toluene	105	101	100.0	100.0	105.0	101.0	3.9	78-122	20		
Ethyl benzene	110	119	100.0	100.0	110.0	119.0	7.9	70-130	20		
Xylene(s)	325	311	300	300	108.3	103.7	4.3	75-125	20		
Surrogate(s)											
Trifluorotoluene	562	526	500	500	112.4	105.2		58-124			

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

Batch QC report

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CA DHS ELAP#1094

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/20-01.02**	
LCS:	2001/12/20-01.02-006	Extracted:	12/20/2001 09:47	Analyzed:	12/20/2001 09:47
LCSD:	2001/12/20-01.02-007	Extracted:	12/20/2001 10:18	Analyzed:	12/20/2001 10:18

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	439	440	500	500	87.8	88.0	0.2	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-	540	528	500	500	108.0	105.6		50-150			

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Legend & Notes

Test Method: 8015M
8021B

Prep Method: 5030

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Misc Anions by Ion Chromatograph

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

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CA DHS ELAP#1094

SECOR-Oakland	✉ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
014.07701.001 Site 725 Julie Ann Way	Project: Penske

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	12/12/2001 12:00	1
OW-2	Water	12/12/2001 13:30	2

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Misc Anions by Ion Chromatograph

SECOR-Oakland

Attn: Angus McGrath

Test Method: 9056

Prep Method: 9056

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Pleasanton, CA 94566

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CA DHS ELAP#1094

Sample ID:	**OW-1**	Lab Sample ID:	2001-12-0216-001
Project:	014.07701.001 Penske	Received:	12/12/2001 16:53
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/13/2001
Sampled:	12/12/2001 12:00	QC-Batch:	2001/12/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chloride	270	10	mg/L	10.00	12/13/2001	
Nitrate	ND	1.0	mg/L	1.00	12/13/2001	
Sulfate	25	1.0	mg/L	1.00	12/13/2001	

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

Misc Anions by Ion Chromatograph

SECOR-Oakland
Attn: Angus McGrath

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CA DHS ELAP#1094

Test Method: 9056
Prep Method: 9056

Sample ID:	OW-2	Lab Sample ID:	2001-12-0216-002
Project:	014.07701.001 Penske	Received:	12/12/2001 16:53
Site:	725 Julie Ann Way Oakland, CA	Extracted:	12/13/2001
Sampled:	12/12/2001 13:30	QC-Batch:	2001/12/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chloride	250	10	mg/L	10.00	12/13/2001	
Nitrate	ND	1.0	mg/L	1.00	12/13/2001	
Sulfate	4.6	1.0	mg/L	1.00	12/13/2001	

Submission #: 2001-12-0216

SEVERN TRENT SERVICES

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Misc Anions by Ion Chromatograph

Batch QC report

Test Method: 9056 Prep Method: 9056

Method Blank **Water** **QC Batch # 2001/12/13-01.41**

MB: 2001/12/13-01.41-001 Date Extracted: 12/13/2001

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Chloride	ND	1.0	mg/L	12/13/2001	
Nitrate	ND	1.0	mg/L	12/13/2001	
Sulfate	ND	1.0	mg/L	12/13/2001	

Submission #: 2001-12-0216

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CA DHS ELAP#1094

Misc Anions by Ion Chromatograph

Batch QC report

Test Method: 9056 Prep Method: 9056

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/12/13-01.41**
LCS:	2001/12/13-01.41-002	Extracted:	12/13/2001	Analyzed: 12/13/2001
LCSD:	2001/12/13-01.41-003	Extracted:	12/13/2001	Analyzed: 12/13/2001

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Chloride	18.9	18.9	20.0	20.0	94.5	94.5	0.0	80-120	20		
Nitrate	19.8	19.7	20.0	20.0	99.0	98.5	0.5	80-120	20		
Sulfate	19.3	19.3	20.0	20.0	96.5	96.5	0.0	80-120	20		

Chain-of Custody Number: 63622

SECOR Chain-of Custody Record 2001-12-0216

Field Office: Oakland
Address: 360-22nd St. #600
Oakland CA 94612

☐ Additional documents are attached, and are a part of this Record.

Job Name: Penske
Location: 725 Julie Ann Way
Oakland, CA

Project # 014.0770I.001 Task # ____
Project Manager Angus McBrath
Laboratory STL-Chromalab
Turnaround Time Standard

Sampler's Name Charles McLaughlin
Sampler's Signature

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G/MTBE 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Chloride, Nitrate, Sulfate		Comments/ Instructions	Number of Containers
OW-1	12-12-01	12:00	Water		X	X										X			5
OW-2	"	13:30	"		X	X										X			5

Special Instructions/Comments: 3.7°C

Relinquished by:
Sign
Print Charles McLaughlin
Company SECOR
Time 13:45 Date 12-12-01

Received by:
Sign
Print B Morrow
Company STL CL
Time 1345 Date 12/12/01

Relinquished by:
Sign
Print B Morrow
Company STL CL
Time 1653 Date 12/12/01

Received by:
Sign Denise Harrington
Print D. Harrington
Company STL-CL
Time 1653 Date 12/12/01

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold:
Conforms to record:

Client:
Client Contact:
Client Phone:

SECOR CUSTREC Rev. 2/99

Date: 12/12/01 Page 1 of 1