

February 28, 2000

ENVIRONMENTAL  
PROTECTION

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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

# 584

**RE: QUARTERLY GROUNDWATER MONITORING REPORT FOR THE FOURTH QUARTER 1999, 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 28, 1999, at the former Penske Truck Leasing Co. (Penske) facility, 725 Julie Ann Way, Oakland, California (the Site, see Figure 1, Site Location Map). 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 March 25, 1994. This report also addresses your request for analysis of polynuclear aromatic hydrocarbons (PNA) and total extractable petroleum hydrocarbons (TEPH) using silica gel pre-treatment, as described in your letter dated October 4, 1999.

#### **GROUNDWATER MONITORING PROCEDURES**

On December 28, 1999, SECOR sounded, 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 a clean disposable bailer to obtain a sample. 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 eight groundwater monitoring wells were also measured for pH, temperature, specific conductivity, dissolved oxygen (DO), and oxidation reduction potential (ORP), and 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 visual inspected for color and turbidity. All measured parameters and pumping volumes for each well were recorded on the Water Sample Field Data Sheets included in Appendix A. Upon removal of the appropriate purge volumes 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 ChromaLab, Incorporated (ChromaLab) of Pleasanton, California, a state-certified laboratory.

Eight samples were submitted for chemical analysis of total petroleum hydrocarbons in the gas range (TPHg) by EPA Method 8015 and total extractable petroleum hydrocarbons in the diesel range (TPHd) by EPA Method 8015m, and benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertbutyl ether (MTBE) by EPA Method 8020. The sample from well MW-7 was additionally analyzed for PNAs by EPA Method 8270A. Wells OW-1 and -2 were analyzed for nitrate, sulfate, and dissolved iron (assumed to be ferrous iron). 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 28, 1999 elevation data is presented in Figure 2. The groundwater elevations for the current quarter ranged from 5.73 feet to 7.74 feet below the top of the PVC well casing. These elevations corresponded to elevations of -2.34 feet to -0.86 feet, based on Arcadis/Garaghty and Miller's surveying of the site wells and use of the City of Oakland datum. Groundwater elevations increased in all wells, when compared to the September 22, 1999 monitoring results. Interpretation of the groundwater elevation contour map indicates that groundwater flow is generally directed towards the south and southwest. The elevation in well MW-7 was the lowest point measured in December 1999. Groundwater in the vicinity of this well is directed towards the well.

### Groundwater Chemical Results

Groundwater pH ranged from 7.38 to 7.94. Temperatures ranged from 14.1 to 19.4° Centigrade. Specific conductivity ranged from 245 to 1045 micromhos per centimeter ( $\mu\text{mhos/cm}$ ). Turbidity ranged from low to high, and color ranged from clear to brown or black to cloudy and tan. DO ranged from 0.42 to 1.79 mg/L and ORP ranged from -211 to -38 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 is indicative of oxygen depleting conditions, indicating that microbial activity may be occurring in the groundwater. The DO levels are indicative of oxygen depleted conditions, since all readings are around 1 mg/L. The depletion in oxygen is most likely a result of the microbial degradation of hydrocarbons in groundwater. The oxygen levels in wells OW-1 and OW-2 may be influenced by the presence of ORC socks. Nitrate, sulfate, and iron concentrations in OW-1 and OW-2 were 1 mg/L and non-detect, 9 and 12 mg/L, and 1.8 and 0.78 mg/L for each analyte in each well respectively. The reduced nitrate and elevated dissolved iron concentrations are indicative of microbial activity.

~~Free product~~ was observed in monitoring wells MW-1, -4, and -7. TPHd concentrations ranged from 130  $\mu\text{g/L}$  (MW-8) to 300,000  $\mu\text{g/L}$  (MW-7). TPHg concentrations ranged from non-detect (MW-2, -5, and -8) to 3,400  $\mu\text{g/L}$  (OW-1). Benzene concentrations ranged from non-detect (MW-2, -4, -5, and -8) and 51 (MW-7). Toluene concentrations ranged from non-detect (MW-2, -4, -5, -8, OW-1, and -2). Ethylbenzene concentrations ranged from non-detect (MW-2, -4, -5, -8, OW-1, and -2) to 13  $\mu\text{g/L}$  (MW-7), and xylenes concentrations ranged from non-detect to 27  $\mu\text{g/L}$  (MW-7).

Overall TPHd and TPHg concentrations remained in the low range of historical values observed in each well. BTEX concentrations decreased or remained the same in all wells except in MW-1, where benzene

increased from 32 to 49  $\mu\text{g/L}$ . MTBE was only detected in monitoring well OW-2 at a concentration of 16  $\mu\text{g/L}$ . Historically MTBE has only been detected in monitoring well MW-5 at 5  $\mu\text{g/L}$ , which is the reporting limit for the analysis. Historical and December 1999 groundwater chemical results are recorded in Table 2.


The PNAs naphthalene and phenanthrene were detected in MW-7 at concentrations of 65 and 75  $\mu\text{g/L}$ , respectively. There were no other PNAs detected in the groundwater.

Based on the results presented in this report, natural attenuation may be occurring at the site in the source area. 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." Penske currently plans to move forward with Fenton's reagent treatment on the site in order to reduce overall hydrocarbon concentrations in the highly impacted zones. Pending the results of the treatment, Penske plans to move forward with a request for Site closure.

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.

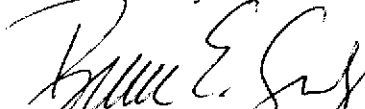
Sincerely,

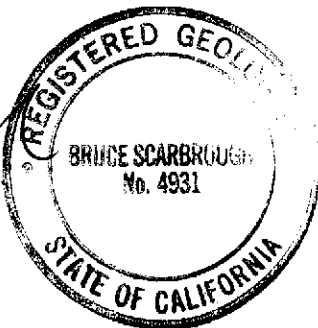
**SECOR International Incorporated**

  
Angus E. McGrath, Ph.D.  
Principal Geochemist

  
Don Pratt  
Project Manager

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

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

WELL NO.	DATE	REI (FEET) <sup>(*)</sup>	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
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
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
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
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

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

WELL NO.	DATE	RE (FEET)	DTW (FEET)	CWTE (FEET)
MW-5 Cont.	10/01/98		5.42	-0.71
	12/22/98		5.40	-0.69
	12/28/99		5.73	-1.02
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
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
MW-8	02/20/97	5.44	5.10	0.34
	05/28/97		5.68	-0.24
	09/19/97		5.95	-0.51
	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
OW-1	12/28/99		5.77	NA
OW-2	12/28/99		6.08	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.
- 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)						
		TPH <sub>3</sub>	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MIBK
MW-1	02/20/97	200,000	2,900 <sup>(a)</sup>	260	61	42	96	NS
	05/28/97	28,000 <sup>(b)</sup>	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 <sup>(c)</sup>	40,000 <sup>(c)</sup>	240 <sup>(c)</sup>	190 <sup>(c)</sup>	270 <sup>(c)</sup>	880 <sup>(c)</sup>	ND <sup>(c)</sup>
	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 <sup>(d)</sup>	43	1.2	15	84	ND
	12/22/98	79,000 <sup>(e,f)</sup>	2,000 <sup>(e,g)</sup>	32 <sup>(e)</sup>	ND <sup>(e)</sup>	23 <sup>(e)</sup>	130 <sup>(e)</sup>	ND
	12/28/99	43,000	1,700	49	1.3	11	24	ND
MW-2	02/20/97	1,000 <sup>(h)</sup>	ND	ND	ND	ND	ND	NS
	05/28/97	3,700 <sup>(b,h)</sup>	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 <sup>(i)</sup>	3,200 <sup>(d)</sup>	ND	ND	ND	ND	ND
	12/22/98	1,200 <sup>(j,k)</sup>	67 <sup>(d)</sup>	ND	ND	ND	ND	ND
	12/28/99	750	ND	ND	ND	ND	ND	ND
MW-3	02/20/97	140 <sup>(h)</sup>	ND	ND	ND	ND	ND	NS
	05/28/97	240 <sup>(b,h)</sup>	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 <sup>(l)</sup>	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
MW-4	02/20/97	470,000	64,000 <sup>(m)</sup>	ND	ND	ND	ND	NS
	05/28/97	1,000,000 <sup>(b)</sup>	11,000 <sup>(m)</sup>	ND	ND	ND	ND	NS
	09/19/97	2,600,000	37,000	260	ND	ND	ND	ND
	11/17/97	57,000 <sup>(c)</sup>	4,400 <sup>(c)</sup>	25 <sup>(c)</sup>	ND <sup>(c)</sup>	ND <sup>(c)</sup>	ND <sup>(c)</sup>	ND <sup>(c)</sup>
	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 <sup>(n)</sup>	5.7	ND	ND	4.6	ND
	12/22/98	3,700 <sup>(e,o)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>
	12/28/99	5,800	1,000	ND	ND	ND	ND	ND

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

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPH <sub>g</sub>	TPH <sub>g</sub>	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-5	02/20/97	1,100 <sup>(b)</sup>	ND	ND	ND	ND	ND	NS
	05/28/97	560 <sup>(b,q)</sup>	60 <sup>(m)</sup>	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 <sup>(r)</sup>	ND	ND	ND	ND	ND	ND
	12/28/99	440	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
	12/28/99	NS	NS	NS	NS	NS	NS	NS
MW-7	02/20/97	1,500,000	15,000 <sup>(m)</sup>	81	51	ND	ND	NS
	05/28/97	440,000 <sup>(b)</sup>	390,000 <sup>(m)</sup>	ND	ND	ND	ND	NS
	09/19/97	910,000	3,600	110	64	37	ND	ND
	11/17/97	18,000,000 <sup>(c)</sup>	15,000 <sup>(c)</sup>	110 <sup>(c)</sup>	41 <sup>(c)</sup>	12 <sup>(c)</sup>	110 <sup>(c)</sup>	ND <sup>(c)</sup>
	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 <sup>(n)</sup>	39	2.4	11	31	ND
	12/22/98	240,000 <sup>(o)</sup>	3,900 <sup>(g)</sup>	51	ND	ND	ND	ND
	12/28/99	300,000	2,300	51	5.3	13	27	ND
MW-8	02/20/97	2,500	340 <sup>(a)</sup>	2.1	53	7.1	94	NS
	05/28/97	200 <sup>(b,s)</sup>	480 <sup>(a)</sup>	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 <sup>(l)</sup>	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

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

WELL NO.	DATE	CONCENTRATIONS (mg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
OW-1	12/28/99	7,700	3,400	11	ND	ND	2.6	ND
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16

Notes:

mg/L - micrograms per liter

TPHd - Total Petroleum Hydrocarbons as diesel

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl tert butyl ether

ND - Not detected at or above the laboratory detection limit

NS - Well not sampled

(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 the peak pattern present in this sample represents an unknown mixture atypical of gasoline in the range of n-C10 to greater than n-C12. Quantitation is based on a gasoline reference in the range of n-C07 to n-C12 only.

(h) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C20.

(i) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C08 to n-C40. Quantitation is based on a diesel reference between n-C10 and n-C24 only.

(j) - Analyzed by USEPA Method 8015, modified.

(k) - Analyzed by USEPA Method 8020.

(l) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C12 to n-C28. Quantitation is based on a diesel reference between n-C10 and n-C24 only.

(m) - Laboratory reports that chromatogram indicates unidentified hydrocarbons >C8.

(n) - Laboratory reports the peak pattern present in this sample represents an unknown mixture atypical of gasoline in the range of n-C07 to greater than n-C12. Quantitation is based on a gasoline reference in the range of n-C07 to n-C12 only.

(o) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C10 to n-C26. Quantitation is based on a diesel reference between n-C10 and n-C24 only.

(p) - Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.

(q) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C24.

(r) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C10 to n-C40. Quantitation is based on a diesel reference between n-C10 and n-C24 only.

(s) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C15.

(t) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C10 to n-C28. Quantitation is based on a diesel reference between n-C10 and n-C24 only.

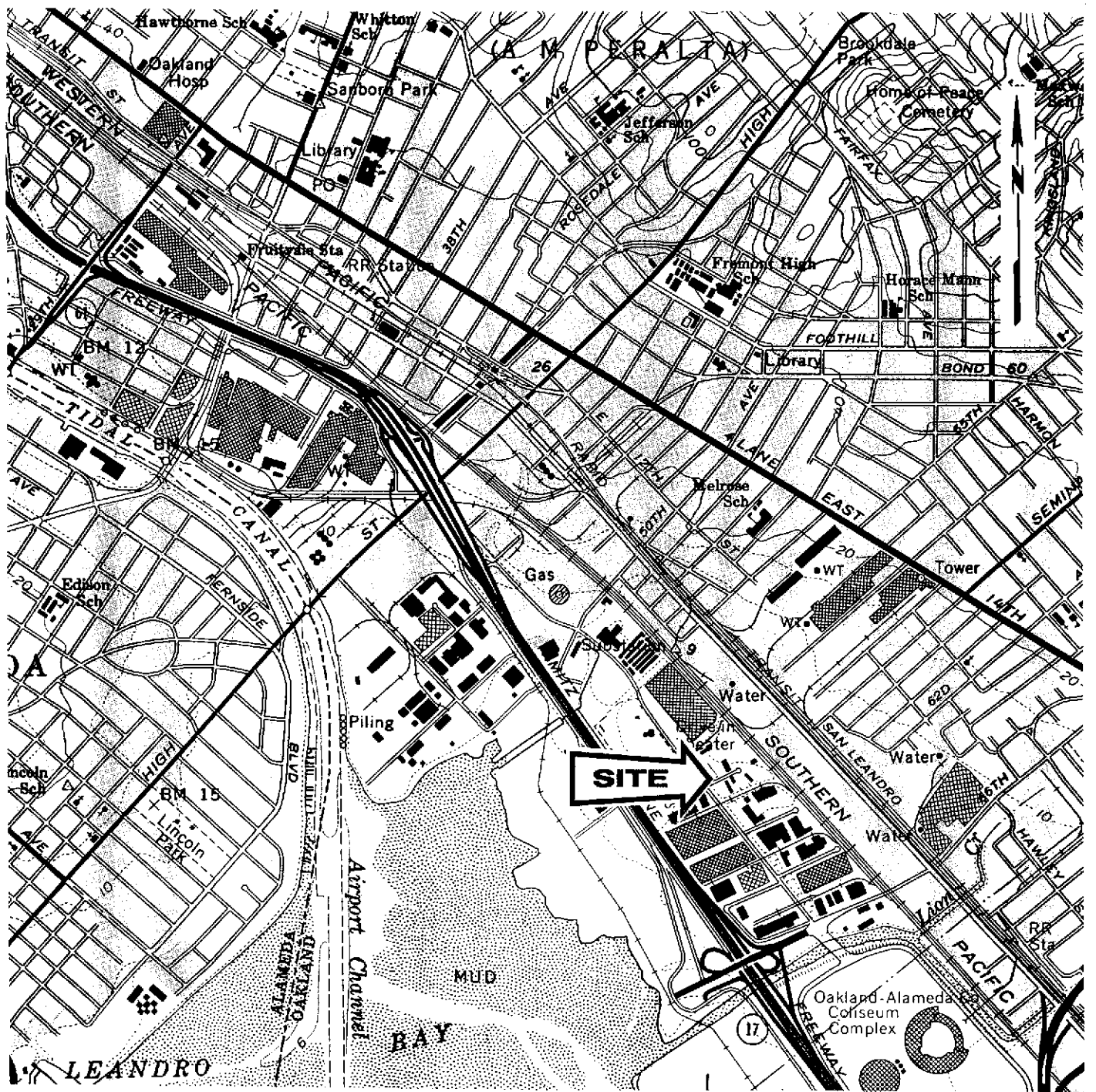


**TABLE 3**  
**PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS**  
**PENSKE TRUCK LEASING FACILITY**  
**725 Julie Ann Way**  
**Oakland, California**

WELL NO	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
MW-2	12/28/99	7.94	0.96	-38
MW-3	12/28/99	NM	NM	NM
MW-4	12/28/99	7.38	0.80	-201
MW-5	12/28/99	7.55	1.14	-118
MW-6	12/28/99	NM	NM	NM
MW-7	12/28/99	7.94	1.30	-58
MW-8	12/28/99	7.79	0.42	-136
OW-1	12/28/99	7.67	0.99	-89
OW-2	12/28/99	7.69	1.79	-58

Notes:

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



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

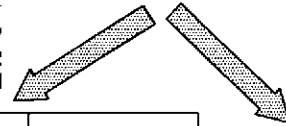
**SECOR**  
*International Incorporated*

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 2/71/00

HISTORICAL RANGE OF  
REGIONAL SHALLOW  
GROUNDWATER  
FLOW DIRECTION



REPAIR SHOP

OFFICE

● BM  
(6.62)

APPROXIMATE EXTENT  
OF FORMER TANK  
EXCAVATIONS

MW-3  
(-1.12)

MW-2  
(-0.88)

MW-6  
(-1.03)

OW-2

OW-1

MW-4  
(-1.36)

MW-1  
(-1.91)

MW-5  
(-1.02)

MW-7  
(-2.34)

MW-8  
(-0.86)

GARAGE

DRAINAGE DITCH

JULIE ANN WAY

LEGEND

◆ MW-1

APPROXIMATE LOCATION OF  
EXISTING GROUNDWATER  
WELLS

● BM

SURVEY BENCH MARK (BASED  
ON CITY OF OAKLAND DATUM)

(-1.91)

GROUNDWATER ELEVATION  
IN FEET 12/22/99

-1.00

GROUNDWATER ELEVATION  
CONTOUR (FEET)

○ ○ ○ ○

FENCE

0 40 80

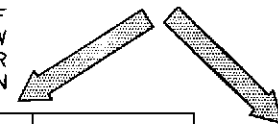
SCALE IN FEET

**SECOR**  
*International Incorporated*

DRAWN	GEL
APPR	AEM
DATE	20 FEB 00
JOB NO.	014.07701.001

**FIGURE 2**  
FORMER PENSKE TRUCKING COMPANY  
725 JULIE ANN WAY  
OAKLAND, CALIFORNIA  
**SHALLOW GROUNDWATER CONTOURS**  
**FOURTH QUARTER, 1999**

HISTORICAL RANGE OF REGIONAL SHALLOW GROUNDWATER FLOW DIRECTION



REPAIR SHOP

OFFICE

BM

APPROXIMATE EXTENT OF FORMER TANK EXCAVATIONS

MW-3  
NS

MW-2

TPHg	ND
THPd	750
B	ND
T	ND
E	ND
X	ND

MW-6  
NS

TPHg	770
THPd	3,300
B	36
T	ND
E	ND
X	1.7

OW-2

OW-1

TPHg	3,400
THPd	7,700
B	11
T	ND
E	ND
X	2.6

TPHg	1,700
THPd	43,000
B	49
T	1.3
E	11
X	24

TPHg	ND
THPd	440
B	ND
T	ND
E	ND
X	ND

MW-5

TPHg	1,000
THPd	5,800
B	ND
T	ND
E	ND
X	ND

MW-4

MW-1

TPHg	2,300
THPd	300,000
B	51
T	5.3
E	13
X	27

MW-7

TPHg	ND
THPd	130
B	ND
T	ND
E	ND
X	ND

MW-8

GARAGE

DRAINAGE DITCH

JULIE ANN WAY

LEGEND

- ⊕ MW-1 APPROXIMATE LOCATION OF EXISTING GROUNDWATER WELLS
- BM SURVEY BENCH MARK (BASED ON CITY OF OAKLAND DATUM)

—○— FENCE

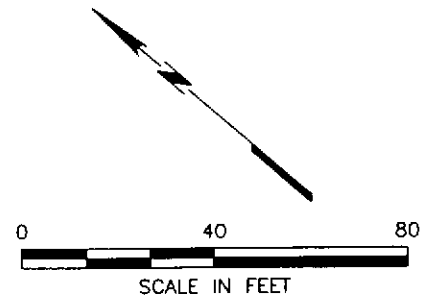
ANALYTES:

- TPHg — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- THPd — TOTAL PETROLEUM HYDROCARBONS IN DIESEL RANGE
- B — BENZENE
- T — TOLUENE
- E — ETHYLBENZENE
- X — XYLENES
- NS — NOT SAMPLED

CHEMICAL ANALYTICAL RESULTS:

ANALYTE	CONCENTRATION (ug/l)
TPHg	43,000
THPd	1,700
B	49
T	1.3
E	11
X	24

12/28/99



199812.271039 X:\OAKLAND\ACAD\PENSKY\PENSKY-4THQRT-99.DWG 2/20/00

**SECOR**  
International Incorporated

DRAWN	GEL
APPR	AEM
DATE	20 FEB 00
JOB NO.	014.07701.001

**FIGURE 3**  
FORMER PENSKY TRUCKING COMPANY  
725 JULIE ANN WAY  
OAKLAND, CALIFORNIA  
**PETROLEUM HYDROCARBON CONCENTRATIONS**  
**FOURTH QUARTER, 1999**

**APPENDIX A**  
**WATER SAMPLE FIELD DATA SHEETS**

DATE: 12-28-99 PROJECT: Penske Trucking PROJECT # 014.07614.001

EVENT: 4th QTR SAMPLER: GARY CUM

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTP <i>(feet)</i>	PT <i>Corrected elevation</i>	ELEV	
MW-1			7.34	5.42	-1.92		
MW-2			7.08	6.21	-0.87		
MW-3			7.22	6.10	-1.12		DTW only
MW-4			6.54	5.18	-1.36		
MW-5			5.73	4.71	-1.02		
MW-6			6.40	5.37	-1.03		DTW only
OW-1			5.77	<del>5.38</del>	<del>0.39</del>		
OW-2			6.08				
MW-7			7.72	5.38	-2.34		
MW-8			6.30	5.44	-0.86		

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)  
 ELEV - GROUNDWATER ELEVATION (FEET, RELATIVE TO MEAN SEA LEVEL)

# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 01407694.001 PURGED BY: Gc WELL I.D.: Mw-5  
 CLIENT NAME: Former Perske Tract SAMPLED BY: Gc SAMPLE I.D.: Mw-5  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 15:05 END (2400hr) 15:40  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 15:45

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 31.20 CASING VOLUME (gal) = 17.06  
 DEPTH TO WATER (feet) = 5.73 CALCULATED PURGE (gal) = 51.19  
 WATER COLUMN HEIGHT (feet) = 25.47 ACTUAL PURGE (gal) = 52.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	D
<u>15:15</u>	<u>20</u>	<u>18.7</u>	<u>560</u>	<u>7.54</u>	<u>Clear</u>	<u>low</u>	<u>1.3</u>
<u>15:25</u>	<u>40</u>	<u>18.6</u>	<u>588</u>	<u>7.55</u>	<u>Clear</u>	<u>low</u>	<u>1.4</u>
<u>15:35</u>	<u>52</u>	<u>18.8</u>	<u>584</u>	<u>7.59</u>	<u>Clear</u>	<u>low</u>	<u>1.25</u>

SAMPLE PARAMETERS ORP -120 -118 -115  
 ODOR: None 80% RECHARGED?  Yes  No  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES See C.O.C.

#### PURGING EQUIPMENT

Bladder Pump                       Bailer (Teflon)  
 Centrifugal Pump                     Bailer (PCV)  
 Submersible Pump                    Bailer (Stainless Steel)  
 Peristaltic Pump                     Dedicated tube  
 Other: \_\_\_\_\_

#### SAMPLING EQUIPMENT

Bladder Pump                       Bailer (Teflon)  
 Centrifugal Pump                     Bailer (  PVC or  disposable)  
 Peristaltic Pump                     Bailer (Stainless Steel)  
 Dedicated \_\_\_\_\_  
 Other: \_\_\_\_\_

WELL INTEGRITY: Good LOCK#: MASTER

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: [Signature] Page 1 of 1

**SECOR International Incorporated**  
**WATER SAMPLE FIELD DATA SHEET**

PROJECT #: 014.07694.001 PURGED BY: Gc WELL I.D.: MW-1  
 CLIENT NAME: Former Penske Truck SAMPLED BY: Gc SAMPLE I.D.: MW-1  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 14:25 END (2400hr) 14:55  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 14:55

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 34.00 CASING VOLUME (gal) = 17.86  
 DEPTH TO WATER (feet) = 7.34 CALCULATED PURGE (gal) = 53.58  
 WATER COLUMN HEIGHT (feet) = 26.66 ACTUAL PURGE (gal) = 55.00

**FIELD MEASUREMENTS**

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	
<u>14:35</u>	<u>20</u>	<u>14.1</u>	<u>787</u>	<u>8.11</u>	<u>Clear</u>	<u>med</u>	<u>1.0</u>
<u>14:45</u>	<u>40</u>	<u>14.3</u>	<u>782</u>	<u>7.92</u>	<u>Clear</u>	<u>med</u>	<u>.8</u>
<u>14:55</u>	<u>55</u>	<u>14.3</u>	<u>785</u>	<u>7.88</u>	<u>Clear</u>	<u>med</u>	<u>.8</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE PARAMETERS ORP - -202 -211 -218  
 ODOR: GAS 80% RECHARGED?  Yes \_\_\_\_\_ No \_\_\_\_\_  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES SEE C.O.C.

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
_____ Bladder Pump	_____ Bailer (Teflon)	_____ Bladder Pump	_____ Bailer (Teflon)
<input checked="" type="checkbox"/> Centrifugal Pump	_____ Bailer (PCV)	_____ Centrifugal Pump	<input checked="" type="checkbox"/> Bailer ( _____ PVC or <input checked="" type="checkbox"/> disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)	_____ Peristaltic Pump	_____ Bailer (Stainless Steel)
_____ Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>Tube</u>	_____ Dedicated _____	_____
Other: _____		Other: _____	

WELL INTEGRITY: Good LOCK#: None

REMARKS: product in well

SIGNATURE: [Signature] Page 1 of 1



# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.076.94.001 PURGED BY: GC WELL I.D.: MW-8  
 CLIENT NAME: Former Penske Truck SAMPLED BY: GC SAMPLE I.D.: MW-8  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 13:45 END (2400hr) 14:20  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 14:20

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 25.60 CASING VOLUME (gal) = 12.93  
 DEPTH TO WATER (feet) = 6.30 CALCULATED PURGE (gal) = 38.79  
 WATER COLUMN HEIGHT (feet) = 19.30 ACTUAL PURGE (gal) = 40.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	
<u>13:55</u>	<u>15</u>	<u>19.1</u>	<u>745</u>	<u>7.80</u>	<u>BIK</u>	<u>High</u>	<u>2</u>
<u>14:05</u>	<u>30</u>	<u>19.0</u>	<u>712</u>	<u>7.79</u>	<u>BIK</u>	<u>High</u>	<u>4</u>
<u>14:15</u>	<u>40</u>	<u>19.0</u>	<u>711</u>	<u>7.84</u>	<u>BIK</u>	<u>High</u>	<u>3</u>

SAMPLE PARAMETERS ORP -133 -136 -130  
 ODOR: Gas 80% RECHARGED?  Yes  No  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES SEE C.O.C.

PURGING EQUIPMENT	SAMPLING EQUIPMENT
<input type="checkbox"/> Bladder Pump <input checked="" type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Peristaltic Pump Other: _____	<input type="checkbox"/> Bladder Pump <input type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Peristaltic Pump <input type="checkbox"/> Dedicated _____ Other: _____
<input type="checkbox"/> Bailer (Teflon) <input type="checkbox"/> Bailer (PCV) <input type="checkbox"/> Bailer (Stainless Steel) <input checked="" type="checkbox"/> Dedicated <u>Tube</u>	<input type="checkbox"/> Bailer (Teflon) <input checked="" type="checkbox"/> Bailer ( <input type="checkbox"/> PVC or <input checked="" type="checkbox"/> disposable) <input type="checkbox"/> Bailer (Stainless Steel)

WELL INTEGRITY: Good Need Bolts LOCK#: None

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: [Signature] Page 1 of 1

# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: GC WELL I.D.: MW-4  
 CLIENT NAME: Former Panske Truck SAMPLED BY: GC SAMPLE I.D.: MW-4  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 12:55 END (2400hr) 13:35  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 13:40

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 33.50 CASING VOLUME (gal) = 18.06  
 DEPTH TO WATER (feet) = 6.54 CALCULATED PURGE (gal) = 54.18  
 WATER COLUMN HEIGHT (feet) = 26.96 ACTUAL PURGE (gal) = 55.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees $^{\circ}$ R)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	
<u>13:10</u>	<u>20</u>	<u>18.2</u>	<u>1045</u>	<u>7.43</u>	<u>BRN</u>	<u>High</u>	<u>.6</u>
<u>13:20</u>	<u>40</u>	<u>18.8</u>	<u>1048</u>	<u>7.38</u>	<u>BRN</u>	<u>High</u>	<u>.8</u>
<u>13:35</u>	<u>55</u>	<u>18.9</u>	<u>1043</u>	<u>7.36</u>	<u>BRN</u>	<u>High</u>	<u>.8</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE PARAMETERS ORP -194 -201 -200  
 ODOR: GAS 80% RECHARGED?  Yes \_\_\_\_\_ No \_\_\_\_\_  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES See C.O.C.

PURGING EQUIPMENT	SAMPLING EQUIPMENT
<input type="checkbox"/> Bladder Pump <input checked="" type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Peristaltic Pump Other: _____	<input type="checkbox"/> Bladder Pump <input type="checkbox"/> Centrifugal Pump <input checked="" type="checkbox"/> Bailer ( _____ PVC or <input checked="" type="checkbox"/> disposable) <input type="checkbox"/> Peristaltic Pump <input type="checkbox"/> Bailer (Stainless Steel) <input checked="" type="checkbox"/> Dedicated <u>Tube</u> Other: _____

WELL INTEGRITY: Good LOCK#: None

REMARKS: product

SIGNATURE: [Signature] Page 1 of 1

# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: GC WELL I.D.: MW-7  
 CLIENT NAME: Former Penske Truck SAMPLED BY: GC SAMPLE I.D.: MW-7  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 12:15 END (2400hr) 12:45  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 12:45

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 28.52 CASING VOLUME (gal) = 13.93  
 DEPTH TO WATER (feet) = 7.72 CALCULATED PURGE (gal) = 41.80  
 WATER COLUMN HEIGHT (feet) = 20.80 ACTUAL PURGE (gal) = 45.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees $\text{C}$ )	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY ( <del>NTU</del> )	D
<u>12:25</u>	<u>15</u>	<u>19.2</u>	<u>591</u>	<u>7.97</u>	<u>clear</u>	<u>low</u>	<u>1.3</u>
<u>12:35</u>	<u>30</u>	<u>19.4</u>	<u>597</u>	<u>7.94</u>	<u>clear</u>	<u>low</u>	<u>1.3</u>
<u>12:45</u>	<u>45</u>	<u>19.3</u>	<u>594</u>	<u>7.89</u>	<u>cloudy</u>	<u>low</u>	<u>1.2</u>

SAMPLE PARAMETERS ORP - -53 -58 -61  
 ODOR: Slight GAS 80% RECHARGED?  Yes \_\_\_\_\_ No \_\_\_\_\_  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES See C.A.C.

PURGING EQUIPMENT	SAMPLING EQUIPMENT
<input type="checkbox"/> Bladder Pump <input checked="" type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Peristaltic Pump Other: _____	<input type="checkbox"/> Bladder Pump <input type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Peristaltic Pump <input checked="" type="checkbox"/> Dedicated <u>Tube</u> <input type="checkbox"/> Bailer (Teflon) <input type="checkbox"/> Bailer (PCV) <input type="checkbox"/> Bailer (Stainless Steel) <input type="checkbox"/> Bailer ( _____ PVC or _____ disposable) <input type="checkbox"/> Bailer (Stainless Steel) Other: _____

WELL INTEGRITY: Good LOCK#: None

REMARKS: Product

SIGNATURE: [Signature] Page 1 of 1

# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: Gc WELL I.D.: OW-1  
 CLIENT NAME: Former Penske Truck SAMPLED BY: Gc SAMPLE I.D.: OW-1  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 11:45 END (2400hr) 12:07  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 12:10

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 14.40 CASING VOLUME (gal) = 5.78  
 DEPTH TO WATER (feet) = 5.77 CALCULATED PURGE (gal) = 17.34  
 WATER COLUMN HEIGHT (feet) = 8.63 ACTUAL PURGE (gal) = 19.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees $\text{C}$ )	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	
<u>11:50</u>	<u>7.0</u>	<u>18.6</u>	<u>243</u>	<u>7.66</u>	<u>TAN</u>	<u>High</u>	<u>.9</u>
<u>11:58</u>	<u>14.0</u>	<u>18.9</u>	<u>235</u>	<u>7.67</u>	<u>TAN</u>	<u>High</u>	<u>.9</u>
<u>12:07</u>	<u>19.0</u>	<u>18.9</u>	<u>254</u>	<u>7.54</u>	<u>TAN</u>	<u>High</u>	<u>.9</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE PARAMETERS ORP - -82 -89 -88

ODOR: GAS 80% RECHARGED?  Yes \_\_\_\_\_ No

SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES \_\_\_\_\_

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input checked="" type="checkbox"/> Bladder Pump	_____ Bailer (Teflon)	_____ Bladder Pump	_____ Bailer (Teflon)
<input checked="" type="checkbox"/> Centrifugal Pump	_____ Bailer (PCV)	_____ Centrifugal Pump	_____ Bailer ( _____ PVC or <input checked="" type="checkbox"/> disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)	_____ Peristaltic Pump	_____ Bailer (Stainless Steel)
_____ Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>Tube</u>	_____ Dedicated _____	_____
Other: _____		Other: _____	

WELL INTEGRITY: Good LOCK#: Dolphin

REMARKS: ORC Socks in well

SIGNATURE: [Signature] Page 1 of 1

# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: GC WELL I.D.: OW-2  
 CLIENT NAME: Former Penske Truck SAMPLED BY: GC SAMPLE I.D.: OW-2  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 11:00 END (2400hr) 11:25  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 11:30

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 14.10 CASING VOLUME (gal) = 5.37  
 DEPTH TO WATER (feet) = 6.08 CALCULATED PURGE (gal) = 16.12  
 WATER COLUMN HEIGHT (feet) = 8.02 ACTUAL PURGE (gal) = 17.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY ( <del>umhos/cm</del> )	D Mg
<u>11:40</u>	<u>6.0</u>	<u>18.4</u>	<u>244</u>	<u>7.79</u>	<u>TAN</u>	<u>High</u>	<u>2.0</u>
<u>11:15</u>	<u>12.0</u>	<u>18.4</u>	<u>241</u>	<u>7.69</u>	<u>TAN</u>	<u>High</u>	<u>1.7</u>
<u>11:20</u>	<u>17.00</u>	<u>18.5</u>	<u>241</u>	<u>7.59</u>	<u>TAN</u>	<u>High</u>	<u>1.5</u>

SAMPLE PARAMETERS ORP - -60 -58 -61  
 ODOR: GAS 80% RECHARGED?  Yes  No  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES See C.O.C.

PURGING EQUIPMENT	SAMPLING EQUIPMENT
<input type="checkbox"/> Bladder Pump <input checked="" type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Peristaltic Pump Other: _____	<input type="checkbox"/> Bladder Pump <input type="checkbox"/> Centrifugal Pump <input type="checkbox"/> Peristaltic Pump <input type="checkbox"/> Dedicated _____ Other: _____
<input type="checkbox"/> Bailer (Teflon) <input type="checkbox"/> Bailer (PCV) <input type="checkbox"/> Bailer (Stainless Steel) <input checked="" type="checkbox"/> Dedicated <u>Tube</u>	<input type="checkbox"/> Bailer (Teflon) <input checked="" type="checkbox"/> Bailer ( <input type="checkbox"/> PVC or <input checked="" type="checkbox"/> disposable) <input type="checkbox"/> Bailer (Stainless Steel)

WELL INTEGRITY: Good LOCK#: None

REMARKS: ORP sock in well

SIGNATURE: [Signature] Page 1 of 1

# SECOR International Incorporated

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: Gc WELL I.D.: MW-2  
 CLIENT NAME: Former Penske Truck SAMPLED BY: Gc SAMPLE I.D.: MW-2  
 LOCATION: 725 Julie Ann Way Oakland QA SAMPLES: None

DATE PURGED 12-28-99 START (2400hr) 15:50 END (2400hr) 16:25  
 DATE SAMPLED 12-28-99 SAMPLE TIME (2400hr) 16:30

SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  4.5" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 29.00 CASING VOLUME (gal) = 14.68  
 DEPTH TO WATER (feet) = 7.08 CALCULATED PURGE (gal) = 44.05  
 WATER COLUMN HEIGHT (feet) = 21.92 ACTUAL PURGE (gal) = 45.00

### FIELD MEASUREMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees $\text{C}$ )	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>16:00</u>	<u>15</u>	<u>18.7</u>	<u>592</u>	<u>8.04</u>	<u>Clear</u>	<u>low</u>
<u>16:10</u>	<u>30</u>	<u>19.2</u>	<u>611</u>	<u>7.94</u>	<u>Clear</u>	<u>low</u>
<u>16:20</u>	<u>45</u>	<u>19.2</u>	<u>620</u>	<u>7.92</u>	<u>Clear</u>	<u>low</u>

SAMPLE PARAMETERS ORP -40 -38 -33  
 ODOR: None 80% RECHARGED?  Yes  No  
 SAMPLE VESSEL / PRESERVATIVE: \_\_\_\_\_ ANALYSES See C.O.C.

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input checked="" type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input checked="" type="checkbox"/> Centrifugal Pump	<input type="checkbox"/> Bailer (PCV)	<input type="checkbox"/> Centrifugal Pump	<input checked="" type="checkbox"/> Bailer ( <input type="checkbox"/> PVC or <input checked="" type="checkbox"/> disposable)
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)	<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>Tube</u>	<input type="checkbox"/> Dedicated _____	
Other: _____		Other: _____	

WELL INTEGRITY: ok LOCK#: None

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: [Signature] Page 1 of 1

**APPENDIX B**

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY**

**SECOR-Oakland**

360 22nd Street, Suite 600  
Oakland, CA 94612

Attn.: Angus McGrath

Project: 014.07694.001  
Penske Truck Leasing

Site: 725 Julie Ann Way  
Oakland, CA

Attached is our report for your samples received on Wednesday December 29, 1999  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after January 28, 2000  
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](mailto:asalimpour@chromalab.com)

Sincerely,

  
Afsaneh Salimpour



Environmental Services (SDB)

Diesel

**SECOR-Oakland**

✉ 360 22nd Street, Suite 600  
Oakland, CA 94612

Attn: Angus McGrath

Phone: (510) 285-2556 Fax: (510) 285-2568

Project #: 014.07694.001

Project: Penske Truck Leasing

Site: 725 Julie Ann Way  
Oakland, CA

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-5	Water	12/28/1999 15:45	1
MW-1	Water	12/28/1999 14:55	2
MW-8	Water	12/28/1999 14:20	3
MW-4	Water	12/28/1999 13:40	4
MW-2	Water	12/28/1999 16:30	5

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Diesel

Sample ID: MW-5	Lab Sample ID: 1999-12-0457-001
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/03/2000 09:00
Sampled: 12/28/1999 15:45	QC-Batch: 2000/01/03-02.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	440	50	ug/L	1.01	01/03/2000 23:14	ndp
<i>Surrogate(s)</i> o-Terphenyl	109.0	60-130	%	1.00	01/03/2000 23:14	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: **SECOR-Oakland**  
Attn.: Angus McGrath

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

Diesel

Sample ID: <b>MW-1</b>	Lab Sample ID: <b>1999-12-0457-002</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/03/2000 09:00
Sampled: 12/28/1999 14:55	QC-Batch: 2000/01/03-02.10
Matrix: Water	
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	43000	510	ug/L	10.26	01/04/2000 20:03	
<b>Surrogate(s)</b> o-Terphenyl	135.0	60-130	%	10.00	01/04/2000 20:03	

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Diesel

Sample ID: MW-8	Lab Sample ID: 1999-12-0457-003
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/03/2000 09:00
Sampled: 12/28/1999 14:20	QC-Batch: 2000/01/03-02.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	130	50	ug/L	1.00	01/03/2000 23:50	ndp
Surrogate(s) o-Terphenyl	93.1	60-130	%	1.00	01/03/2000 23:50	

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Diesel

Sample ID: MW-4	Lab Sample ID: 1999-12-0457-004
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/03/2000 09:00
Sampled: 12/28/1999 13:40	QC-Batch: 2000/01/03-02.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5800	50	ug/L	1.00	01/04/2000 00:27	ndp
<i>Surrogate(s)</i> o-Terphenyl	85.0	60-130	%	1.00	01/04/2000 00:27	

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Diesel

Sample ID: MW-2	Lab Sample ID: 1999-12-0457-005
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/03/2000 09:00
Sampled: 12/28/1999 16:30	QC-Batch: 2000/01/03-02.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	750	50	ug/L	1.01	01/04/2000 01:03	ndp
<i>Surrogate(s)</i> o-Terphenyl	105.4	60-130	%	1.00	01/04/2000 01:03	

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland  
Attn.: Angus McGrath

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

## Batch QC Report Diesel

Method Blank	Water	QC Batch # 2000/01/03-02.10
MB: 2000/01/03-02.10-001		Date Extracted: 01/03/2000 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	01/03/2000 23:07	
<i>Surrogate(s)</i> o-Terphenyl	101.0	60-130	%	01/03/2000 23:07	

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn: Angus McGrath

Prep Method: 3510/8015M

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/01/03-02.10
LCS: 2000/01/03-02.10-002	Extracted: 01/03/2000 09:00	Analyzed: 01/04/2000 02:52
LCSD: 2000/01/03-02.10-003	Extracted: 01/03/2000 09:00	Analyzed: 01/04/2000 03:29

Compound	Conc. [ ug/L ]		Exp. Conc. [ ug/L ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	861	901	1250	1250	68.9	72.1	4.5	60-130	25		
<b>Surrogate(s)</b>											
o-Terphenyl	20.7	21.5	20.0	20.0	103.5	107.5		60-130			



To: SECOR-Oakland

Test Method: 8015m

Attn: Angus McGrath

Prep Method: 3510/8015M

## Legend & Notes

Diesel

### Analysis Flags

shc

Surrogate recoveries biased high due to hydrocarbon co-elution

### Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Environmental Services (SDB)

Gas/BTEX and MTBE

<b>SECOR-Oakland</b>	☒ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
Project #: 014.07694.001	Project: Penske Truck Leasing
Site: 725 Julie Ann Way Oakland, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-5	Water	12/28/1999 15:45	1
MW-1	Water	12/28/1999 14:55	2
MW-8	Water	12/28/1999 14:20	3
MW-4	Water	12/28/1999 13:40	4
MW-2	Water	12/28/1999 16:30	5

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-5	Lab Sample ID: 1999-12-0457-001
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/07/2000 17:46
Sampled: 12/28/1999 15:45	QC-Batch: 2000/01/07-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/07/2000 17:46	
Benzene	ND	0.50	ug/L	1.00	01/07/2000 17:46	
Toluene	ND	0.50	ug/L	1.00	01/07/2000 17:46	
Ethyl benzene	ND	0.50	ug/L	1.00	01/07/2000 17:46	
Xylene(s)	ND	0.50	ug/L	1.00	01/07/2000 17:46	
MTBE	ND	5.0	ug/L	1.00	01/07/2000 17:46	
<i>Surrogate(s)</i>						
Trifluorotoluene	103.9	58-124	%	1.00	01/07/2000 17:46	
4-Bromofluorobenzene-FID	51.9	50-150	%	1.00	01/07/2000 17:46	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-1	Lab Sample ID: 1999-12-0457-002
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/07/2000 15:37
Sampled: 12/28/1999 14:55	QC-Batch: 2000/01/07-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1700	50	ug/L	1.00	01/07/2000 15:37	g
Benzene	49	0.50	ug/L	1.00	01/07/2000 15:37	
Toluene	1.3	0.50	ug/L	1.00	01/07/2000 15:37	
Ethyl benzene	11	0.50	ug/L	1.00	01/07/2000 15:37	
Xylene(s)	24	0.50	ug/L	1.00	01/07/2000 15:37	
MTBE	ND	5.0	ug/L	1.00	01/07/2000 15:37	
<b>Surrogate(s)</b>						
Trifluorotoluene	96.4	58-124	%	1.00	01/07/2000 15:37	
4-Bromofluorobenzene-FID	69.7	50-150	%	1.00	01/07/2000 15:37	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-12-0457

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-8	Lab Sample ID: 1999-12-0457-003
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/06/2000 07:37
Sampled: 12/28/1999 14:20	QC-Batch: 2000/01/06-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/06/2000 07:37	
Benzene	ND	0.50	ug/L	1.00	01/06/2000 07:37	
Toluene	ND	0.50	ug/L	1.00	01/06/2000 07:37	
Ethyl benzene	ND	0.50	ug/L	1.00	01/06/2000 07:37	
Xylene(s)	ND	0.50	ug/L	1.00	01/06/2000 07:37	
MTBE	ND	5.0	ug/L	1.00	01/06/2000 07:37	
<i>Surrogate(s)</i>						
Trifluorotoluene	93.4	58-124	%	1.00	01/06/2000 07:37	
4-Bromofluorobenzene-FID	54.7	50-150	%	1.00	01/06/2000 07:37	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-12-0457

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-4	Lab Sample ID: 1999-12-0457-004
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/07/2000 18:14
Sampled: 12/28/1999 13:40	QC-Batch: 2000/01/07-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1000	50	ug/L	1.00	01/07/2000 18:14	g
Benzene	ND	0.50	ug/L	1.00	01/07/2000 18:14	
Toluene	ND	0.50	ug/L	1.00	01/07/2000 18:14	
Ethyl benzene	ND	0.50	ug/L	1.00	01/07/2000 18:14	
Xylene(s)	ND	0.50	ug/L	1.00	01/07/2000 18:14	
MTBE	ND	5.0	ug/L	1.00	01/07/2000 18:14	
<i>Surrogate(s)</i>						
Trifluorotoluene	100.7	58-124	%	1.00	01/07/2000 18:14	
4-Bromofluorobenzene-FID	69.8	50-150	%	1.00	01/07/2000 18:14	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-12-0457

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

## Gas/BTEX and MTBE

Sample ID: MW-2	Lab Sample ID: 1999-12-0457-005
Project: 014.07694.001 Penske Truck Leasing	Received: 12/29/1999 16:51
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/07/2000 11:12
Sampled: 12/28/1999 16:30	QC-Batch: 2000/01/07-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/07/2000 11:12	
Benzene	ND	0.50	ug/L	1.00	01/07/2000 11:12	
Toluene	ND	0.50	ug/L	1.00	01/07/2000 11:12	
Ethyl benzene	ND	0.50	ug/L	1.00	01/07/2000 11:12	
Xylene(s)	ND	0.50	ug/L	1.00	01/07/2000 11:12	
MTBE	ND	5.0	ug/L	1.00	01/07/2000 11:12	
<i>Surrogate(s)</i>						
Trifluorotoluene	83.9	58-124	%	1.00	01/07/2000 11:12	
Trifluorotoluene-FID	63.1	58-124	%	1.00	01/07/2000 11:12	

# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

## Batch QC Report Gas/BTEX and MTBE

Method Blank	Water	QC Batch # 2000/01/06-01.01
MB: 2000/01/06-01.01-001		Date Extracted: 01/06/2000 13:25

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	01/06/2000 13:25	
Benzene	ND	0.5	ug/L	01/06/2000 13:25	
Toluene	ND	0.5	ug/L	01/06/2000 13:25	
Ethyl benzene	ND	0.5	ug/L	01/06/2000 13:25	
Xylene(s)	ND	0.5	ug/L	01/06/2000 13:25	
MTBE	ND	5.0	ug/L	01/06/2000 13:25	
<b>Surrogate(s)</b>					
Trifluorotoluene	97.6	58-124	%	01/06/2000 13:25	
4-Bromofluorobenzene-FID	53.8	50-150	%	01/06/2000 13:25	



# CHROMALAB, INC.

Submission #: 1999-12-0457

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

## Batch QC Report Gas/BTEX and MTBE

Method Blank	Water	QC Batch # 2000/01/07-01.01
MB: 2000/01/07-01.01-001		Date Extracted: 01/07/2000 07:37

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	01/07/2000 07:37	
Benzene	ND	0.5	ug/L	01/07/2000 07:37	
Toluene	ND	0.5	ug/L	01/07/2000 07:37	
Ethyl benzene	ND	0.5	ug/L	01/07/2000 07:37	
Xylene(s)	ND	0.5	ug/L	01/07/2000 07:37	
MTBE	ND	5.0	ug/L	01/07/2000 07:37	
<b>Surrogate(s)</b>					
Trifluorotoluene	107.8	58-124	%	01/07/2000 07:37	
4-Bromofluorobenzene-FID	54.4	50-150	%	01/07/2000 07:37	

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn: Angus McGrath

Prep Method: 5030

**Batch QC Report**

Gas/BTEX and MTBE

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/01/06-01.01</b>
LCS: 2000/01/06-01.01-002	Extracted: 01/06/2000 11:31	Analyzed: 01/06/2000 11:31
LCSD: 2000/01/06-01.01-003	Extracted: 01/06/2000 11:59	Analyzed: 01/06/2000 11:59

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	530	543	500	500	106.0	108.6	2.4	75-125	20		
Benzene	108	109	100.0	100.0	108.0	109.0	0.9	77-123	20		
Toluene	111	113	100.0	100.0	111.0	113.0	1.8	78-122	20		
Ethyl benzene	115	116	100.0	100.0	115.0	116.0	0.9	70-130	20		
Xylene(s)	329	337	300	300	109.7	112.3	2.3	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	588	568	500	500	117.6	113.6		58-124			
4-Bromofluorobenzene-FI	327	344	500	500	65.4	68.8		50-150			

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn: Angus McGrath

Prep Method: 5030

**Batch QC Report**

Gas/BTEX and MTBE

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/01/07-01.01</b>
LCS: 2000/01/07-01.01-002	Extracted: 01/07/2000 08:05	Analyzed: 01/07/2000 08:05
LCSD: 2000/01/07-01.01-003	Extracted: 01/07/2000 08:34	Analyzed: 01/07/2000 08:34

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	556	562	500	500	111.2	112.4	1.1	75-125	20		
Benzene	106	107	100.0	100.0	106.0	107.0	0.9	77-123	20		
Toluene	109	110	100.0	100.0	109.0	110.0	0.9	78-122	20		
Ethyl benzene	113	113	100.0	100.0	113.0	113.0	0.0	70-130	20		
Xylene(s)	319	321	300	300	106.3	107.0	0.7	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	563	560	500	500	112.6	112.0		58-124			
4-Bromofluorobenzene-FI	330	329	500	500	66.0	65.8		50-150			

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015M  
8020

Attn: Angus McGrath

Prep Method: 5030

### Legend & Notes

Gas/BTEX and MTBE

### Analyte Flags

9

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

## SECOR Chain-of Custody Record

99-12-0457

Field Office: SECOR  
 Address: 1390 Willowpass Road Suite 360  
Concord CA 94520

Additional documents are attached, and are a part of this Record.  
 Job Name: Penske Truck Leasing  
 Location: 725 Julie Ann Way  
Oakland CA

Project # 014.07694.00 Task # \_\_\_\_\_  
 Project Manager Angus McGrath  
 Laboratory Chroma Lab  
 Turnaround Time Standard

Sampler's Name GARY CLIFT  
 Sampler's Signature [Signature]

## Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHg/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	MTBE	Comments/ Instructions	Number of Containers
MW-5	12-28	15:45	H <sub>2</sub> O		X	X										X		6
MW-1	12-28	14:55	H <sub>2</sub> O		X	X										X		6
MW-8	12-28	14:20	H <sub>2</sub> O		X	X										X		6
MW-4	12-28	13:40	H <sub>2</sub> O		X	X										X		6
MW-2	12-28	16:30	H <sub>2</sub> O		X	X										X		6

Special Instructions/Comments:

Relinquished by: SECOR  
 Sign [Signature]  
 Print GARY R. CLIFT  
 Company SECOR  
 Time 8:00 Date 12-29-99

Relinquished by: [Signature]  
 Sign [Signature]  
 Print [Signature]  
 Company Chromalab  
 Time 1651 Date 12-29-99

Received by: [Signature]  
 Sign [Signature]  
 Print [Signature]  
 Company [Signature]  
 Time 1255 Date 12-29-99

Received by: [Signature]  
 Sign Devin Harrington  
 Print D. Harrington  
 Company Chromalab  
 Time 1651 Date 12/29/99

## Sample Receipt

Total no. of containers: 35  
 Chain of custody seals: \_\_\_\_\_  
 Rec'd in good condition/cold: \_\_\_\_\_  
 Conforms to record: \_\_\_\_\_

Client: SECOR  
 Client Contact: Angus McGrath  
 Client Phone: (510) 285-2556

Date: 12, 29, 99 Page 1 of 1

**SECOR-Oakland**

360 22nd Street, Suite 600  
Oakland, CA 94612

Attn.: Angus McGrath

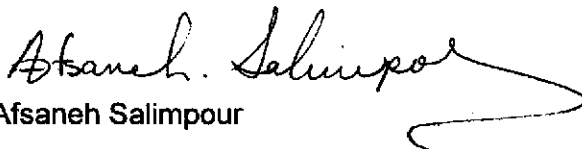
Project: 014.07694.001  
Penske Truck Leasing

Site: 725 Julie Ann Way  
Oakland, CA

Attached is our report for your samples received on Tuesday December 28, 1999  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after January 27, 2000  
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](mailto:asalimpour@chromalab.com)

Sincerely,

  
Afsaneh Salimpour

Environmental Services (SDB)

PNA analysis by 8270A

<b>SECOR-Oakland</b>	✉ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
Project #: 014.07694.001	Project: Penske Truck Leasing
Site: 725 Julie Ann Way Oakland, CA	

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-7	Water	12/28/1999 12:45	3

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-12-0447

To: SECOR-Oakland

Test Method: 8270A

Attn.: Angus McGrath

Prep Method: 3510/8270A

PNA analysis by 8270A

Sample ID: MW-7	Lab Sample ID: 1999-12-0447-003
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/03/2000 13:19
Sampled: 12/28/1999 12:45	QC-Batch: 2000/01/03-01.11
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	65	20	ug/L	10.00	01/04/2000 13:46	
Acenaphthylene	ND	20	ug/L	10.00	01/04/2000 13:46	
Acenaphthene	ND	20	ug/L	10.00	01/04/2000 13:46	
Fluorene	ND	50	ug/L	10.00	01/04/2000 13:46	
Phenanthrene	75	20	ug/L	10.00	01/04/2000 13:46	
Anthracene	ND	20	ug/L	10.00	01/04/2000 13:46	
Fluoranthene	ND	20	ug/L	10.00	01/04/2000 13:46	
Pyrene	ND	20	ug/L	10.00	01/04/2000 13:46	
Benzo(a)anthracene	ND	20	ug/L	10.00	01/04/2000 13:46	
Chrysene	ND	20	ug/L	10.00	01/04/2000 13:46	
Benzo(b)fluoranthene	ND	20	ug/L	10.00	01/04/2000 13:46	
Benzo(k)fluoranthene	ND	20	ug/L	10.00	01/04/2000 13:46	
Benzo(a)pyrene	ND	20	ug/L	10.00	01/04/2000 13:46	
Indeno(1,2,3-c,d)pyrene	ND	20	ug/L	10.00	01/04/2000 13:46	
Dibenzo(a,h)anthracene	ND	20	ug/L	10.00	01/04/2000 13:46	
Benzo(g,h,i)perylene	ND	20	ug/L	10.00	01/04/2000 13:46	
<b>Surrogate(s)</b>						
Nitrobenzene-d5	68.8	35-114	%	10.00	01/04/2000 13:46	
2-Fluorobiphenyl	98.4	43-116	%	10.00	01/04/2000 13:46	
p-Terphenyl-d14	70.0	33-141	%	10.00	01/04/2000 13:46	



# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8270A

Attn.: Angus McGrath

Prep Method: 3510/8270A

## Batch QC Report PNA analysis by 8270A

Method Blank	Water	QC Batch # 2000/01/03-01.11
MB: 2000/01/03-01.11-001		Date Extracted: 01/03/2000

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Naphthalene	ND	2.0	ug/L	01/03/2000 15:49	
Acenaphthylene	ND	2.0	ug/L	01/03/2000 15:49	
Acenaphthene	ND	2.0	ug/L	01/03/2000 15:49	
Fluorene	ND	5.0	ug/L	01/03/2000 15:49	
Phenanthrene	ND	2.0	ug/L	01/03/2000 15:49	
Anthracene	ND	2.0	ug/L	01/03/2000 15:49	
Fluoranthene	ND	2.0	ug/L	01/03/2000 15:49	
Pyrene	ND	2.0	ug/L	01/03/2000 15:49	
Benzo(a)anthracene	ND	2.0	ug/L	01/03/2000 15:49	
Chrysene	ND	2.0	ug/L	01/03/2000 15:49	
Benzo(b)fluoranthene	ND	2.0	ug/L	01/03/2000 15:49	
Benzo(k)fluoranthene	ND	2.0	ug/L	01/03/2000 15:49	
Benzo(a)pyrene	ND	2.0	ug/L	01/03/2000 15:49	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	01/03/2000 15:49	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	01/03/2000 15:49	
Benzo(g,h,i)perylene	ND	2.0	ug/L	01/03/2000 15:49	
<b>Surrogate(s)</b>					
Nitrobenzene-d5	57.6	35-114	%	01/03/2000 15:49	
2-Fluorobiphenyl	73.6	43-116	%	01/03/2000 15:49	
p-Terphenyl-d14	68.0	33-141	%	01/03/2000 15:49	

Environmental Services (SDB)

To: **SECOR-Oakland**

Test Method: 8270A

Attn: Angus McGrath

Prep Method: 3510/8270A

**Batch QC Report**

PNA analysis by 8270A

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/01/03-01.11</b>
LCS: 2000/01/03-01.11-002	Extracted: 01/03/2000	Analyzed: 01/03/2000 16:33
LCSD: 2000/01/03-01.11-003	Extracted: 01/03/2000	Analyzed: 01/03/2000 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
Acenaphthene	29.3	29.0	30.0	30.0	97.7	96.7	1.0	56-118	30		
Pyrene	27.4	26.0	30.0	30.0	91.3	86.7	5.2	52-115	35		
<b>Surrogate(s)</b>											
Nitrobenzene-d5	16.8	15.9	25	25	67.2	63.6		35-114			
2-Fluorobiphenyl	21.5	21.0	25	25	86.0	84.0		43-116			
p-Terphenyl-d14	21.2	19.7	25	25	84.8	78.8		33-141			

Environmental Services (SDB)

Diesel

<b>SECOR-Oakland</b>	☒ 360 22nd Street, Suite 600 Oakland, CA 94612
Attn: Angus McGrath	Phone: (510) 285-2556 Fax: (510) 285-2568
Project #: 014.07694.001	Project: Penske Truck Leasing
Site: 725 Julie Ann Way Oakland, CA	

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	12/28/1999 12:10	1
OW-2	Water	12/28/1999 11:30	2
MW-7	Water	12/28/1999 12:45	3

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Diesel

Sample ID: <b>OW-1</b>	Lab Sample ID: <b>1999-12-0447-001</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 12/30/1999 08:00
Sampled: 12/28/1999 12:10	QC-Batch: 1999/12/30-02.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7700	50	ug/L	1.00	01/03/2000 16:31	
<i>Surrogate(s)</i> o-Terphenyl	80.8	60-130	%	1.00	01/03/2000 16:31	

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Diesel

Sample ID: <b>OW-2</b>	Lab Sample ID: <b>1999-12-0447-002</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 12/30/1999 08:00
Sampled: 12/28/1999 11:30	QC-Batch: 1999/12/30-02.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3300	50	ug/L	1.00	01/03/2000 15:55	
<i>Surrogate(s)</i> o-Terphenyl	80.0	60-130	%	1.00	01/03/2000 15:55	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-12-0447

To: SECOR-Oakland

Attn.: Angus McGrath

Test Method: 8015m

Prep Method: 3510/8015M

Diesel

Sample ID: <b>MW-7</b>	Lab Sample ID: <b>1999-12-0447-003</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 12/30/1999 08:00
Sampled: 12/28/1999 12:45	QC-Batch: 1999/12/30-02.10
Matrix: Water	
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	300000	1000	ug/L	20.00	01/04/2000 19:27	
<i>Surrogate(s)</i> o-Terphenyl	309.1	60-130	%	20.00	01/04/2000 19:27	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland  
Attn.: Angus McGrath

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

## Batch QC Report Diesel

Method Blank	Water	QC Batch # 1999/12/30-02.10
MB: 1999/12/30-02.10-001		Date Extracted: 12/30/1999 08:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	01/05/2000 23:49	
<i>Surrogate(s)</i> o-Terphenyl	94.0	60-130	%	01/05/2000 23:49	

Environmental Services (SDB)

To: **SECOR-Oakland**

Test Method: 8015m

Attn: Angus McGrath

Prep Method: 3510/8015M

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 1999/12/30-02.10
LCS: 1999/12/30-02.10-002	Extracted: 12/30/1999 08:00	Analyzed: 01/06/2000 00:25
LCSD: 1999/12/30-02.10-003	Extracted: 12/30/1999 08:00	Analyzed: 01/06/2000 01:02

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	1040	999	1250	1250	83.2	79.9	4.0	60-130	25		
<i>Surrogate(s)</i> o-Terphenyl	19.1	21.2	20.0	20.0	95.5	106.0		60-130			



To: **SECOR-Oakland**

Attn: Angus McGrath

Test Method: 8015m

Prep Method: 3510/8015M

## Legend & Notes

Diesel

## Analysis Flags

shc

Surrogate recoveries biased high due to hydrocarbon co-elution

Environmental Services (SDB)

Gas/BTEX and MTBE

**SECOR-Oakland**

✉ 360 22nd Street, Suite 600  
Oakland, CA 94612

Attn: Angus McGrath

Phone: (510) 285-2556 Fax: (510) 285-2568

Project #: 014.07694.001

Project: Penske Truck Leasing

Site: 725 Julie Ann Way  
Oakland, CA

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	12/28/1999 12:10	1
OW-2	Water	12/28/1999 11:30	2
MW-7	Water	12/28/1999 12:45	3

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: OW-1	Lab Sample ID: 1999-12-0447-001
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/06/2000 14:09
Sampled: 12/28/1999 12:10	QC-Batch: 2000/01/06-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3400	50	ug/L	1.00	01/06/2000 14:09	g,e
Benzene	11	0.50	ug/L	1.00	01/06/2000 14:09	
Toluene	ND	0.50	ug/L	1.00	01/06/2000 14:09	
Ethyl benzene	ND	0.50	ug/L	1.00	01/06/2000 14:09	
Xylene(s)	2.6	0.50	ug/L	1.00	01/06/2000 14:09	
MTBE	ND	5.0	ug/L	1.00	01/06/2000 14:09	
<i>Surrogate(s)</i>						
Trifluorotoluene	94.6	58-124	%	1.00	01/06/2000 14:09	
Trifluorotoluene-FID	80.4	58-124	%	1.00	01/06/2000 14:09	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: <b>OW-2</b>	Lab Sample ID: <b>1999-12-0447-002</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/05/2000 15:56
Sampled: 12/28/1999 11:30	QC-Batch: 2000/01/05-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	770	50	ug/L	1.00	01/05/2000 15:56	g
Benzene	36	0.50	ug/L	1.00	01/05/2000 15:56	
Toluene	ND	0.50	ug/L	1.00	01/05/2000 15:56	
Ethyl benzene	ND	0.50	ug/L	1.00	01/05/2000 15:56	
Xylene(s)	1.7	0.50	ug/L	1.00	01/05/2000 15:56	
MTBE	16	5.0	ug/L	1.00	01/05/2000 15:56	
<i>Surrogate(s)</i>						
Trifluorotoluene	99.2	58-124	%	1.00	01/05/2000 15:56	
4-Bromofluorobenzene-FID	58.7	50-150	%	1.00	01/05/2000 15:56	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-12-0447

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: <b>MW-7</b>	Lab Sample ID: <b>1999-12-0447-003</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/05/2000 17:17
Sampled: 12/28/1999 12:45	QC-Batch: 2000/01/05-01.01
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	2300	50	ug/L	1.00	01/05/2000 17:17	g,e
Benzene	51	0.50	ug/L	1.00	01/05/2000 17:17	
Toluene	5.3	0.50	ug/L	1.00	01/05/2000 17:17	
Ethyl benzene	13	0.50	ug/L	1.00	01/05/2000 17:17	
Xylene(s)	27	0.50	ug/L	1.00	01/05/2000 17:17	
MTBE	ND	5.0	ug/L	1.00	01/05/2000 17:17	
<i>Surrogate(s)</i>						
Trifluorotoluene	107.5	58-124	%	1.00	01/05/2000 17:17	
4-Bromofluorobenzene-FID	73.2	50-150	%	1.00	01/05/2000 17:17	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

**Batch QC Report**  
Gas/BTEX and MTBE

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/01/05-01.01</b>
MB: 2000/01/05-01.01-001		Date Extracted: 01/05/2000 06:41

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	01/05/2000 06:41	
Benzene	ND	0.5	ug/L	01/05/2000 06:41	
Toluene	ND	0.5	ug/L	01/05/2000 06:41	
Ethyl benzene	ND	0.5	ug/L	01/05/2000 06:41	
Xylene(s)	ND	0.5	ug/L	01/05/2000 06:41	
MTBE	ND	5.0	ug/L	01/05/2000 06:41	
<b>Surrogate(s)</b>					
Trifluorotoluene	110.0	58-124	%	01/05/2000 06:41	
4-Bromofluorobenzene-FID	56.0	50-150	%	01/05/2000 06:41	

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 8020  
8015M

Attn.: Angus McGrath

Prep Method: 5030

## Batch QC Report Gas/BTEX and MTBE

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/01/06-01.01</b>
MB: 2000/01/06-01.01-001		Date Extracted: 01/06/2000 13:25

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	01/06/2000 13:25	
Benzene	ND	0.5	ug/L	01/06/2000 13:25	
Toluene	ND	0.5	ug/L	01/06/2000 13:25	
Ethyl benzene	ND	0.5	ug/L	01/06/2000 13:25	
Xylene(s)	ND	0.5	ug/L	01/06/2000 13:25	
MTBE	ND	5.0	ug/L	01/06/2000 13:25	
<b>Surrogate(s)</b>					
Trifluorotoluene	97.6	58-124	%	01/06/2000 13:25	
4-Bromofluorobenzene-FID	53.8	50-150	%	01/06/2000 13:25	

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### Batch QC Report

Gas/BTEX and MTBE

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/01/05-01.01</b>
LCS: 2000/01/05-01.01-002	Extracted: 01/05/2000 07:09	Analyzed: 01/05/2000 07:09
LCSD: 2000/01/05-01.01-003	Extracted: 01/05/2000 07:37	Analyzed: 01/05/2000 07:37

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	557	546	500	500	111.4	109.2	2.0	75-125	20		
Benzene	110	104	100.0	100.0	110.0	104.0	5.6	77-123	20		
Toluene	115	108	100.0	100.0	115.0	108.0	6.3	78-122	20		
Ethyl benzene	118	111	100.0	100.0	118.0	111.0	6.1	70-130	20		
Xylene(s)	336	320	300	300	112.0	106.7	4.8	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	591	535	500	500	118.2	107.0		58-124			
4-Bromofluorobenzene-FI	358	324	500	500	71.6	64.8		50-150			



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8015M

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### Batch QC Report

Gas/BTEX and MTBE

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/01/06-01.01</b>
LCS: 2000/01/06-01.01-002	Extracted: 01/06/2000 11:31	Analyzed: 01/06/2000 11:31
LCSD: 2000/01/06-01.01-003	Extracted: 01/06/2000 11:59	Analyzed: 01/06/2000 11:59

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	530	543	500	500	106.0	108.6	2.4	75-125	20		
Benzene	108	109	100.0	100.0	108.0	109.0	0.9	77-123	20		
Toluene	111	113	100.0	100.0	111.0	113.0	1.8	78-122	20		
Ethyl benzene	115	116	100.0	100.0	115.0	116.0	0.9	70-130	20		
Xylene(s)	329	337	300	300	109.7	112.3	2.3	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	588	568	500	500	117.6	113.6		58-124			
4-Bromofluorobenzene-FI	327	344	500	500	65.4	68.8		50-150			

To: SECOR-Oakland

Test Method: 8015M  
8020

Attn: Angus McGrath

Prep Method: 5030

### Legend & Notes

Gas/BTEX and MTBE

### Analyte Flags

e

Estimated value. The concentration exceeded the calibration of analysis.

g

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

Environmental Services (SDB)

### Soluble Metals

**SECOR-Oakland**

✉ 360 22nd Street, Suite 600  
Oakland, CA 94612

Attn: Angus McGrath

Phone: (510) 285-2556 Fax: (510) 285-2568

Project #: 014.07694.001

Project: Penske Truck Leasing

Site: 725 Julie Ann Way  
Oakland, CA

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	12/28/1999 12:10	1
OW-2	Water	12/28/1999 11:30	2

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 6010B

Attn.: Angus McGrath

Prep Method: 3005A

## Soluble Metals

Sample ID: <b>OW-1</b>	Lab Sample ID: <b>1999-12-0447-001</b>
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/05/2000 08:16
Sampled: 12/28/1999 12:10	QC-Batch: 2000/01/05-03.15
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	1.8	0.10	mg/L	1.00	01/05/2000 10:22	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Submission #: 1999-12-0447

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 6010B

Attn.: Angus McGrath

Prep Method: 3005A

## Soluble Metals

Sample ID: OW-2	Lab Sample ID: 1999-12-0447-002
Project: 014.07694.001 Penske Truck Leasing	Received: 12/28/1999 16:27
Site: 725 Julie Ann Way Oakland, CA	Extracted: 01/05/2000 08:16
Sampled: 12/28/1999 11:30	QC-Batch: 2000/01/05-03.15
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	0.78	0.10	mg/L	1.00	01/05/2000 10:34	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Environmental Services (SDB)

To: SECOR-Oakland  
Attn.: Angus McGrath

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**  
Soluble Metals

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/01/05-03.15</b>
MB: 2000/01/05-03.15-015		Date Extracted: 01/05/2000 08:16

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Iron	ND	0.10	mg/L	01/05/2000 10:11	

Environmental Services (SDB)

To: SECOR-Oakland

Test Method: 6010B

Attn: Angus McGrath

Prep Method: 3005A

**Batch QC Report**

Soluble Metals

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/01/05-03.15</b>
LCS: 2000/01/05-03.15-016	Extracted: 01/05/2000 08:16	Analyzed: 01/05/2000 10:14
LCSD: 2000/01/05-03.15-017	Extracted: 01/05/2000 08:16	Analyzed: 01/05/2000 10:18

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Iron	4.40	4.37	5.00	5.00	88.0	87.4	0.7	80-120	20				

# GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

## CERTIFICATE OF ANALYSIS

Report # K363-12

Date: 12/30/99

Chromalab  
1220 Quarry Lane  
Pleasanton

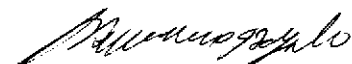
Project: 1999-12-0447

CA 94566-4756 PO#


Date Rec'd: 12/29/99  
Date Started: 12/30/99  
Date Completed: 12/30/99

Date Sampled: 12/28/99  
Time:  
Sampler:

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
OW-1	K38173	1.0	300	Nitrate (NO3)	1	mg/L
		1.0	300	Sulfate	9	mg/L
OW-2	K38174	1.0	300	Nitrate (NO3)	ND	mg/L
		1.0	300	Sulfate	12	mg/L

  
Ramiro Salgado  
Chemist

Certification # 1157

  
Donna Keller  
Laboratory Director



# GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

Report# K363-12

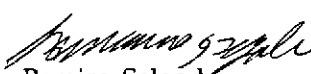
## QC REPORT

Chromalab  
1220 Quarry Lane  
Pleasanton


Dates Analyzed 12/30/99

CA 94566-4756

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Nitrate (NO3)	I05915	300	89.0	91.0	2.2	ND
Sulfate	I05916	300	103.0	103.0	0.0	ND

  
Ramiro Salgado  
Chemist

Certification # 1157

  
Donna Keller  
Laboratory Director

K363-12

From:  
**ChromaLab, Inc. (CL)**  
 1220 Quarry Lane  
 Pleasanton, CA 94566-4756

To:  
 GeoAnalytical Labs  
 1405 Kansas Avenue  
 Modesto, CA 95351

Project Manager: Afsaneh Salimpour  
 Phone: (925) 484-1919 Ext: 107  
 Fax: (925) 484-1096  
 Email: afi@chromalab.com

Phone: (209) 572-0900  
 Fax: (209) 572-0916  
 Contact: Ramiro Salgado  
 Phone: (209) 572-0900

CL Submission #: **1999-12-0447**

Project #: 014.07694.001

CL PO #:

Project Name: Penske Truck Leasing

Client Sample ID	CL#	Sampled	Matrix	Method	Due
OW-1	001	12/28/1999 12:10	Water		
Subcontract - Nitrate	K38173			300/352.1	01/07/2000 17:00
Subcontract - Sulfate				300/375.4	01/07/2000 17:00
OW-2	002	12/28/1999 11:30	Water		
Subcontract - Nitrate	K38174			300/352.1	01/07/2000 17:00
Subcontract - Sulfate				300/375.4	01/07/2000 17:00

Please include QC with faxed and hard-copy results.

RELINQUISHED BY: <i>Denise Harrington</i> Signature Time D. Harrington 1315 Printed Name Date Chromalab 12/29/99 Company	RELINQUISHED BY: <i>R. Zevado 2:35</i> Signature Time Ray AZEVEDO 12-29-99 Printed Name Date GEO. Company	RELINQUISHED BY: Signature Time Printed Name Date Company
RECEIVED BY: <i>R. Zevado 1315</i> Signature Time Ray AZEVEDO 12-29-99 Printed Name Date GEO. Company	RECEIVED BY: <i>Jennifer Hoffmann 2:35</i> Signature Time Jennifer Hoffmann 12/29/99 Printed Name Date GeoAnalytical Company	RECEIVED BY: Signature Time Printed Name Date Company

99-12-0447

Chain-of Custody Number: 49733

SECOR Chain-of Custody Record

Field Office: SECOR  
 Address: 1390 Willowpass Road Suite 360  
Concord CA 94520

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

Job Name: Penske Truck Leasing  
 Location: 725 Julie Ann Way  
Oakland CA

Project # 014.07694.001 Task #  
 Project Manager Angus McGrath  
 Laboratory Chroma Lab  
 Turnaround Time Standard

Analysis Request

Sampler's Name GARY CLEFT  
 Sampler's Signature [Signature]

Sample ID	Date	Time	Matrix	Nitrates	TPH/g(BTEX)/WTPH-G 8015 (modified)/8020	TPH/d/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	Sulfates	Ferrous Iron	TCLP Metals	PAH 8270	MTBE	Comments/Instructions	Number of Containers
OW-1	12-28	12:10	H2O	X	X	X							X	X			X		9
OW-2	12-28	11:30	H2O	X	X	X							X	X			X		9
MW-7	12-28	12:45	H2O		X	X										X	X		7

Special Instructions/Comments:  
 (S) Polynuclear aromatic hydrocarbon  
 Note - Samples need to be filtered by Lab

Relinquished by: SECOR  
 Sign [Signature]  
 Print GARY R. CLEFT  
 Company SECOR  
 Time 14:58 Date 12-28-99

Received by: [Signature]  
 Sign [Signature]  
 Print [Signature]  
 Company Chromalab  
 Time 1458 Date 12-28-99

Sample Receipt  
 Total no. of containers: 25  
 Chain of custody seals:  
 Rec'd. in good condition/cold:  
 Conforms to record:

Relinquished by: [Signature]  
 Sign [Signature]  
 Print [Signature]  
 Company Chromalab  
 Time 1627 Date 12-28-99

Received by: [Signature]  
 Sign [Signature]  
 Print CRISTINA  
 Company CA  
 Time 1627 Date 12/29

Client: SECOR  
 Client Contact: Angus  
 Client Phone: (510) 285-2586