SECOR
International Incorporated

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December 12, 2000

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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 THIRD QUARTER 2000, PENSKE TRUCK LEASING FACILITY, 725 JULIE ANN WAY, OAKLAND, CALIFORNIA

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is pleased to submit the Second Quarter Groundwater Monitoring Report presenting the results of groundwater monitoring conducted on September 14, 2000, 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.

GROUNDWATER MONITORING PROCEDURES

On September 14, 2000, SECOR sounded, purged, and sampled seven monitoring wells (MW-1,-2,-4, -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 visual 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 ChromaLab, Incorporated (ChromaLab) 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 –

360-22nd Street, Suite 600, Oakland, CA 94612 (510) 285-2556 (510) 285-2568 Fax www.secor.com

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 September 14, 2000 elevation data is presented in Figure 2. The depth to water for the current quarter ranged from 5.93 feet to 7.06 feet below the top of the PVC well casing. These corresponded to elevations of –0.55 feet to –0.96 feet, based on surveying of the site wells and use of the City of Oakland datum. Overall groundwater elevations decreased when compared to the June 28 and 29, 2000 monitoring results. Interpretation of the groundwater elevation contour map indicates that groundwater flow is directed towards well MW-1 which was the lowest point measured in September 2000.

Groundwater Chemical Results

Groundwater pH ranged from 6.92 to 7.44. Temperatures ranged from 19.4 to 26.0° Centigrade. Specific conductivity ranged from 263 to 994 micromhos per centimeter (µmhos/cm). Turbidity ranged from low to medium, and color ranged from clear to yellow or light brown to grey. DO ranged from 0.36 to 1.37 mg/L and ORP ranged from –316 to +46 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 in oxygen is most likely a result of the microbial degradation of hydrocarbons in groundwater. Nitrate, sulfate, and iron concentrations in OW-1 and OW-2 were 5.1 mg/L, 1.6 mg/L, 4.4 mg/L, and 4.6 mg/L, non-detect, and 3.0 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 and -7. 1.5" TPHd concentrations ranged from 120 µg/L (MW-2) to 15,000,000 µg/L (MW-7). TPHg concentrations ranged from non-detect (MW-2, -8) to 1900 µg/L (MW-7). Benzene concentrations ranged from non-detect (MW-2, -8 and OW-1) to 34 µg/L (MW-1). Toluene was detected in one well this quarter (OW-2) at 0.79 µg/L. Ethylbenzene concentrations ranged from non-detect (MW-2, -4, -8, OW-1, and -2) to 10 µg/L (MW-7), and xylenes concentrations ranged from non-detect (MW-2, -4, -8, and OW-1) to 39 µg/L (MW-7).

Overall TPHd and TPHg concentrations remained in the range of historical values observed in each well. BTEX concentrations decreased or remained in the range of historical values. MTBE was detected in monitoring well OW-2 at 17 µg/L.

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." Fenton's reagent treatment on the site was conducted in [redacted] October 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

REGISTERED GEOLOGIST
BRUCE SCARBROUGH
No. 4931
STATE OF CALIFORNIA

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, 3rd Quarter, 2000
Figure 3 - Petroleum Hydrocarbon Concentrations, 3rd Quarter, 2000

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

WELL NO.	DATE	CONCENTRATIONS (ug/L)						
		TPH(g)	TPH(d)	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[b]	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
	[redacted]	[redacted]	1,100	34	ND	3.9	17	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
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
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

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

Well No.	Sample Date	Concentrations (µg/L)						
		TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-D
	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

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

WELL NO.	DATE	CONCENTRATIONS (ug/L)						
		TPH-G	TPH-D	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE
MW-4	06/28/00	8,400*	120#	ND	ND	ND	ND	ND
Cont.	09/14/00	[redacted]	130	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
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
	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
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
[redacted]								
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

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

WELL NO.	DATE	CONCENTRATIONS (ppb)						
		TPH-G	TPH-D	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
	10/01/98	440[a]	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

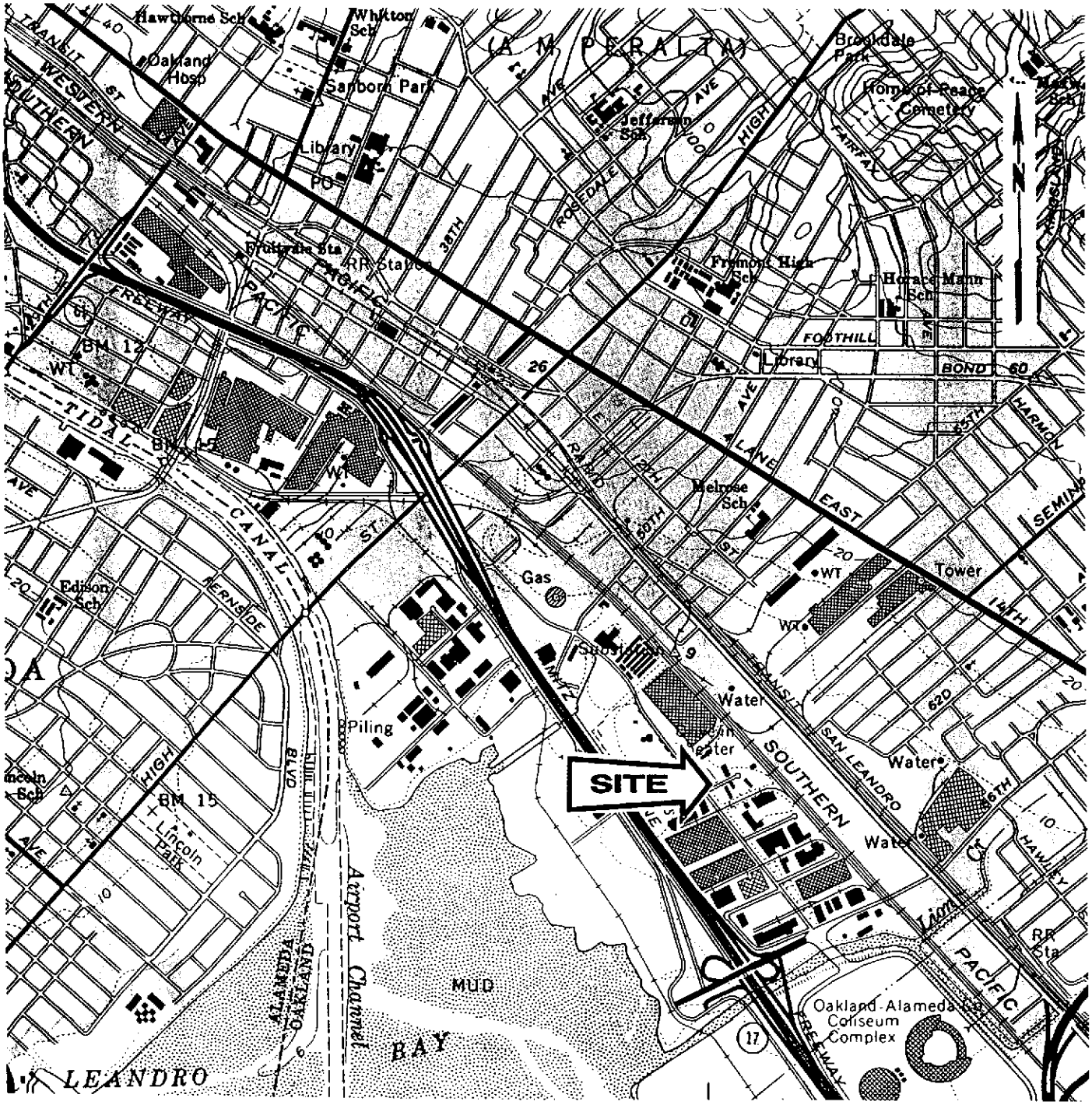
TABLE 2
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	CONCENTRATIONS (ug/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-8 Cont.	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
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
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16
	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

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 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.
* - Hydrocarbon reported does not match the diesel standard.
\# - Hydrocarbon reported (in the gasoline range) does not match lab standard.



0 2000 4000

SCALE IN FEET

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

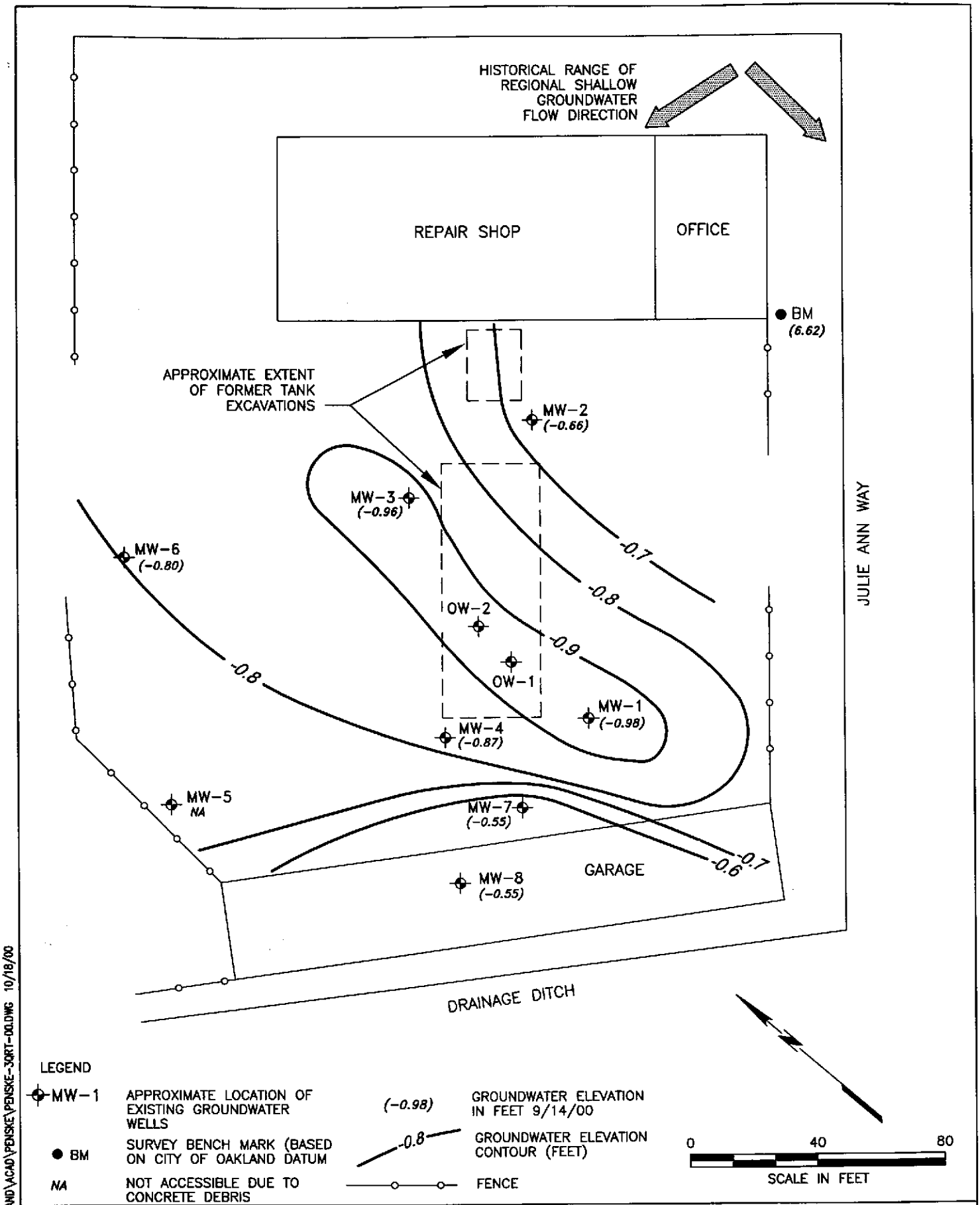
SECOR
International Incorporated

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



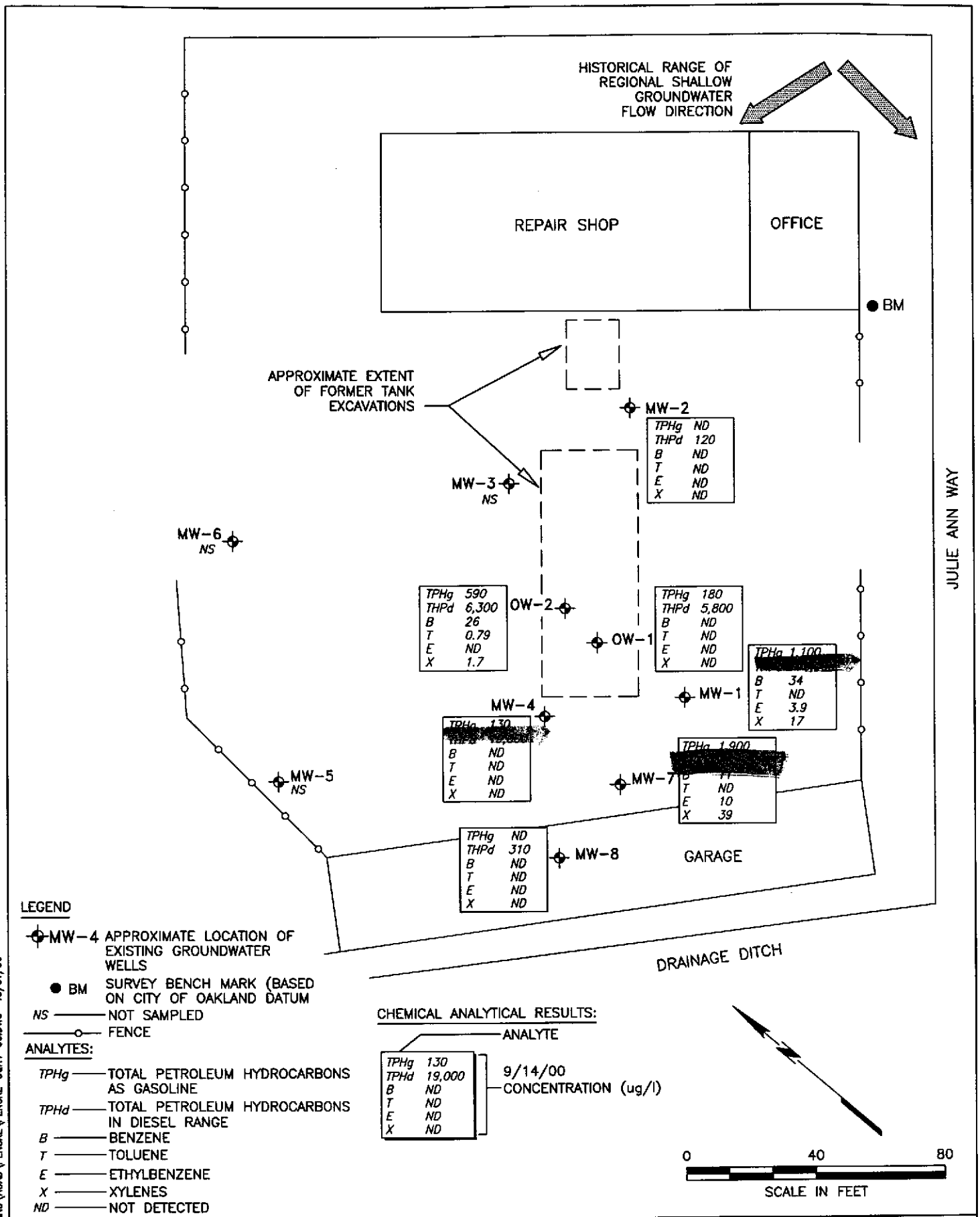
199812.271039 X:\OAKLAND\ACAD\PENSKE\PENSKE-3QRT-00.DWG 10/18/00

SECOR International Incorporated

DRAWN	GEL
APPR	AMcG
DATE	18 OCTOBER 00
JOB NO.	014.07701.002

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

SHALLOW GROUNDWATER CONTOURS 3RD QUARTER, 2000



199812.271039 X:\OAKLAND\ACAD\PENSKE\PENSKE-3QRT-00.DWG 10/31/00

SECOR
International Incorporated

DRAWN	GEL
APPR	AMcG
DATE	31 OCTOBER 00
JOB NO.	014.07701.002

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

PETROLEUM HYDROCARBON CONCENTRATIONS
3RD QUARTER, 2000

APPENDIX A

WATER SAMPLE FIELD DATA SHEETS

SECOR International Incorporated

HYDROLOGIC DATA SHEET

Date: 9/14/00 **Project:** Penske **Project #:** 014.07701.002

Sampler: D. Cardiff **Page** 1 **of** 1

WELL or LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTB	DIA	ELEV	
MW-1		5.43	6.41	34.00	4	-0.98	
MW-2		6.20	6.86	29.00	4	-0.66	
MW-3		6.10	7.06	—	4	-0.96	
MW-4		5.18	6.05	33.5	4	-0.87	
MW-5		4.71	—	31.20	4	—	Could not find due to debris
MW-6		5.37	6.17	—	4	-0.8	
MW-7		5.38	5.93	28.5	4	-0.55	
MW-8		5.44	5.99	25.5	4	-0.55	
OW-1		—	5.31	14.4	4	—	
OW-2		—	5.60	14.10	4	—	

TOC = Top of Well Casing Elevation
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC
DIA = Well Casing Diameter
ELEV = Groundwater Elevation

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: D. Cardiff WELL I.D.: MW-1

CLIENT NAME: Penske SAMPLED BY: D. Cardiff SAMPLE I.D.: _____

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

DATE PURGED 9/14/00 START (2400hr) 1320

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 1415

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) = 34.00 CASING VOLUME (gal) = 18.5

DEPTH TO WATER (feet) = 6.41 CALCULATED PURGE (gal) = 55.50

WATER COLUMN HEIGHT (feet) = 27.59 ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	1340	20	23.2	0.401	6.91	low	-311	5.4/0.46
9/14/00	1350	40	23.0	0.413	6.95	low	-300	0.7/0.06
9/14/00	1410	55	23.3	0.419	6.92	low	-316	4.1/0.36

80% RECHARGE: ___YES ___NO ANALYSES: see COC

ODOR: Gas SAMPLE VESSEL / PRESERVATIVE: _____

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 tubing

Other: Centrifugal pump

Pump Depth: _____

SAMPLING EQUIPMENT

___WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
X Bailer (Teflon)
___ Bailer (___PVC or X disposable)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

WELL INTEGRITY: _____

COMMENTS:

Product

SIGNATURE: _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: D.Cardiff WELL I.D.: MW-2

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

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

DATE PURGED 9/14/00 START (2400hr) 905

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 925

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) = 29.00 CASING VOLUME (gal) = 15

DEPTH TO WATER (feet) = 16.86 CALCULATED PURGE (gal) = 45

WATER COLUMN HEIGHT (feet) = 22.14 ACTUAL PURGE (gal) = 45

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	910	15	23.2	163.3	7.75	Moderate	-305	13.3
9/14/00	915	30	22.5	59.2	7.12	mod → low	-303	8.3/0.71
9/14/00	920	45	22.2	59.6	7.44	mod → low	-310	7.2/0.61

%/mg/L

80% RECHARGE: ___YES ___NO ANALYSES: see COC

ODOR: Sulfur SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
____ Well Wizard Bladder Pump	____ Bailer (Teflon)	____ WW Bladder Pump	X 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 tubing	____ Peristaltic Pump	____ Dedicated _____
Other: Centrifugal pump		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: _____

COMMENTS:

SIGNATURE: _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: DCardiff WELL I.D.: MW-4

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

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

DATE PURGED 9/14/00 START (2400hr) 1030

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 1250

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) = 33.5 CASING VOLUME (gal) = 18.5

DEPTH TO WATER (feet) = 6.05 CALCULATED PURGE (gal) = 55.5

WATER COLUMN HEIGHT (feet) = 27.45 ACTUAL PURGE (gal) = 60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. C (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	1035	00	21.5	0.545	10.86	mod-low	-159	9/0.78
9/14/00	1120	40	19.9	0.994	7.13	low	-36	8.4/0.77
9/14/00	1245	60	20.7	1.523	7.23	low	16	11.9/1.06

%/mg/L

80% RECHARGE: X YES ___ NO ANALYSES: see COC

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

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 tubing
Other: Centrifugal pump
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: _____

COMMENTS:

Sheen

SIGNATURE: _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: D Cardiff WELL I.D.: MW-7

CLIENT NAME: Penske SAMPLED BY: D Cardiff SAMPLE I.D.: mw-7

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

DATE PURGED 9/14/00 START (2400hr) 1300

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 1320

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) = 28.5 CASING VOLUME (gal) = 15.5

DEPTH TO WATER (feet) = 5.93 CALCULATED PURGE (gal) = 45.5

WATER COLUMN HEIGHT (feet) = 22.57 ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	1305	15	20.5	0.495	7.17	low	-294	7.9/0.7
9/14/00	1310	30	20.8	0.460	7.12	low	-307	5.4/0.44
9/14/00	1315	45	21.2	0.457	7.06	low	-306	7.4/0.65

80% RECHARGE: ___YES ___NO ANALYSES: see COC

ODOR: Gas SAMPLE VESSEL / PRESERVATIVE: _____

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 tubing

Other: Centrifugal pump

Pump Depth: _____

SAMPLING EQUIPMENT

___WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
X Bailer (Teflon)
X Bailer (___PVC or X disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____

COMMENTS:

Product

SIGNATURE: _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: _____ WELL I.D.: MW-8

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

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

DATE PURGED 9/14/00 START (2400hr) 9:35

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 1000

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) = 25.5 CASING VOLUME (gal) = 13

DEPTH TO WATER (feet) = 5.99 CALCULATED PURGE (gal) = 39.5

WATER COLUMN HEIGHT (feet) = 19.51 ACTUAL PURGE (gal) = 45

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP C (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	940	15	19.5	0.658	7.31	low	-192	20.5/1.86
9/14/00	945	30	19	0.659	7.27	low	-207	10.6/0.97
9/14/00	950	45	19.1	0.660	7.32	low	-166	11.7/1.07

ORP: mV DO: %/mg/L

80% RECHARGE: ___YES ___NO ANALYSES: see COC

ODOR: None SAMPLE VESSEL / PRESERVATIVE: _____

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 tubing	____ Peristaltic Pump	____ Dedicated _____
Other: Centrifugal pump		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: _____

COMMENTS:

Slight Sheen

SIGNATURE: _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: D. Cardiff WELL I.D.: OW-1

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

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

DATE PURGED 9/14/00 START (2400hr) 1035

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 1105

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) = 14.4 CASING VOLUME (gal) = 6

DEPTH TO WATER (feet) = 5.31 CALCULATED PURGE (gal) = 18.5

WATER COLUMN HEIGHT (feet) = 9.09 ACTUAL PURGE (gal) = 18

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP C (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	1038	6	22.3	0.276	7.07	mod	142	13.5/1.18
9/14/00	1050	12	22.3	0.277	6.97	mod	144	10.2/0.88
9/14/00	1100	18	20.2	0.274	7.02	mod	115	11.3/0.98

ORP: %/mg/L

80% RECHARGE: ___YES ___NO ANALYSES: see COC

ODOR: Gas SAMPLE VESSEL / PRESERVATIVE: _____

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 tubing	____ Peristaltic Pump	____ Dedicated _____
Other: Centrifugal pump		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: _____

COMMENTS:

Sheen

4.2, 4.4, 4.0

SIGNATURE: _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.002 PURGED BY: D Cardiff WELL I.D.: OW-2

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

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

DATE PURGED 9/14/00 START (2400hr) 1140

DATE SAMPLED 9/14/00 SAMPLE TIME (2400hr) 1200

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) = 14.10 CASING VOLUME (gal) = 6

DEPTH TO WATER (feet) = 5.60 CALCULATED PURGE (gal) = 18

WATER COLUMN HEIGHT (feet) = 8.5 ACTUAL PURGE (gal) = 18

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP	DO
9/14/00	1145	6	[redacted] 23.3	0.269	7.14	mod	-121	14.8/1.25
9/14/00	1150	12	23.3	0.277	7.11	mod	-100	17.5/1.48
9/14/00	1155	18	23.4	0.275	7.21	mod	-89	15.6/1.33

80% RECHARGE: ___YES ___NO ANALYSES: see COC

ODOR: mild Gas SAMPLE VESSEL / PRESERVATIVE: _____

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 tubing
Other: Centrifugal pump
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: _____

COMMENTS:

Sheen

3.2, 3.2, 3.0

SIGNATURE: _____

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 2000-09-0284
Date: September 22, 2000

SECOR-Oakland
360 22nd Street, Suite 600
Oakland, CA 94612

Attn.: Angus McGrath

Project: 014.07701
Former Penske Trucking-3rd Qtr

Attached is our report for your samples received on Friday September 15, 2000
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 October 30, 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

Sincerely,

Afsaneh Salimpour

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

Gas/BTEX

SECOR-Oakland

360 22nd Street, Suite 600
Oakland, CA 94612

Attn: Angus McGrath

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

Project #: 014.07701

Project: Former Penske Trucking-3rd Qtr

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	09/14/2000 09:25	1
MW-8	Water	09/14/2000 10:00	2
OW-1	Water	09/14/2000 11:05	3
OW-2	Water	09/14/2000 12:00	4
MW-4	Water	09/14/2000 12:50	5
MW-7	Water	09/14/2000 13:20	6
MW-1	Water	09/14/2000 14:15	7

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-2**	Lab Sample ID:	**2000-09-0284-001**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 02:14
Sampled:	09/14/2000 09:25	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/19/2000 02:14	
Benzene	ND	0.50	ug/L	1.00	09/19/2000 02:14	
Toluene	ND	0.50	ug/L	1.00	09/19/2000 02:14	
Ethyl benzene	ND	0.50	ug/L	1.00	09/19/2000 02:14	
Xylene(s)	ND	0.50	ug/L	1.00	09/19/2000 02:14	
MTBE	ND	5.0	ug/L	1.00	09/27/2000 17:23	
Surrogate(s)						
Trifluorotoluene	115.7	58-124	%	1.00	09/19/2000 02:14	
4-Bromofluorobenzene-FID	91.6	50-150	%	1.00	09/19/2000 02:14	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-8**	Lab Sample ID:	**2000-09-0284-002**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 02:46
Sampled:	09/14/2000 10:00	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/19/2000 02:46	
Benzene	ND	0.50	ug/L	1.00	09/19/2000 02:46	
Toluene	ND	0.50	ug/L	1.00	09/19/2000 02:46	
Ethyl benzene	ND	0.50	ug/L	1.00	09/19/2000 02:46	
Xylene(s)	ND	0.50	ug/L	1.00	09/19/2000 02:46	
MTBE	ND	5.0	ug/L	1.00	09/27/2000 17:55	
Surrogate(s)						
Trifluorotoluene	114.0	58-124	%	1.00	09/19/2000 02:46	
4-Bromofluorobenzene-FID	88.5	50-150	%	1.00	09/19/2000 02:46	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**OW-1**	Lab Sample ID:	**2000-09-0284-003**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 04:55
Sampled:	09/14/2000 11:05	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	180	50	ug/L	1.00	09/19/2000 04:55	
Benzene	ND	0.50	ug/L	1.00	09/19/2000 04:55	
Toluene	ND	0.50	ug/L	1.00	09/19/2000 04:55	
Ethyl benzene	ND	0.50	ug/L	1.00	09/19/2000 04:55	
Xylene(s)	ND	0.50	ug/L	1.00	09/19/2000 04:55	
MTBE	ND	5.0	ug/L	1.00	09/27/2000 18:24	
Surrogate(s)						
Trifluorotoluene	97.7	58-124	%	1.00	09/19/2000 04:55	
4-Bromofluorobenzene-FID	88.0	50-150	%	1.00	09/19/2000 04:55	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**OW-2**	Lab Sample ID:	**2000-09-0284-004**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 05:28
Sampled:	09/14/2000 12:00	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	590	50	ug/L	1.00	09/19/2000 05:28	
Benzene	26	0.50	ug/L	1.00	09/19/2000 05:28	
Toluene	0.79	0.50	ug/L	1.00	09/19/2000 05:28	
Ethyl benzene	ND	0.50	ug/L	1.00	09/19/2000 05:28	
Xylene(s)	1.7	0.50	ug/L	1.00	09/19/2000 05:28	
MTBE	17	5.0	ug/L	1.00	09/27/2000 18:55	
Surrogate(s)						
Trifluorotoluene	101.2	58-124	%	1.00	09/19/2000 05:28	
4-Bromofluorobenzene-FID	89.8	50-150	%	1.00	09/19/2000 05:28	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-4**	Lab Sample ID:	**2000-09-0284-005**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 06:00
Sampled:	09/14/2000 12:50	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	130	50	ug/L	1.00	09/19/2000 06:00	g
Benzene	ND	0.50	ug/L	1.00	09/19/2000 06:00	
Toluene	ND	0.50	ug/L	1.00	09/19/2000 06:00	
Ethyl benzene	ND	0.50	ug/L	1.00	09/19/2000 06:00	
Xylene(s)	ND	0.50	ug/L	1.00	09/19/2000 06:00	
MTBE	ND	5.0	ug/L	1.00	09/28/2000 17:28	
Surrogate(s)						
Trifluorotoluene	87.7	58-124	%	1.00	09/19/2000 06:00	
4-Bromofluorobenzene-FID	77.9	50-150	%	1.00	09/19/2000 06:00	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-7**	Lab Sample ID:	**2000-09-0284-006**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 06:33
Sampled:	09/14/2000 13:20	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1900	250	ug/L	5.00	09/19/2000 06:33	
Benzene	11	2.5	ug/L	5.00	09/19/2000 06:33	
Toluene	ND	2.5	ug/L	5.00	09/19/2000 06:33	
Ethyl benzene	10	2.5	ug/L	5.00	09/19/2000 06:33	
Xylene(s)	39	2.5	ug/L	5.00	09/19/2000 06:33	
MTBE	ND	5.0	ug/L	5.00	09/27/2000 19:58	
Surrogate(s)						
Trifluorotoluene	90.2	58-124	%	1.00	09/19/2000 06:33	
4-Bromofluorobenzene-FID	88.4	50-150	%	1.00	09/19/2000 06:33	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-1**	Lab Sample ID:	**2000-09-0284-007**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/19/2000 07:05
Sampled:	09/14/2000 14:15	QC-Batch:	2000/09/18-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1100	250	ug/L	5.00	09/19/2000 07:05	
Benzene	34	2.5	ug/L	5.00	09/19/2000 07:05	
Toluene	ND	2.5	ug/L	5.00	09/19/2000 07:05	
Ethyl benzene	3.9	2.5	ug/L	5.00	09/19/2000 07:05	
Xylene(s)	17	2.5	ug/L	5.00	09/19/2000 07:05	
MTBE	ND	5.0	ug/L	5.00	09/27/2000 20:29	
Surrogate(s)						
Trifluorotoluene	93.9	58-124	%	1.00	09/19/2000 07:05	
4-Bromofluorobenzene-FID	86.2	50-150	%	1.00	09/19/2000 07:05	

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/09/18-01.05**

MB: 2000/09/18-01.05-001

Date Extracted: 09/18/2000 07:08

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/18/2000 07:08	
Benzene	ND	0.5	ug/L	09/18/2000 07:08	
Toluene	ND	0.5	ug/L	09/18/2000 07:08	
Ethyl benzene	ND	0.5	ug/L	09/18/2000 07:08	
Xylene(s)	ND	0.5	ug/L	09/18/2000 07:08	
Surrogate(s)					
Trifluorotoluene	117.4	58-124	%	09/18/2000 07:08	
4-Bromofluorobenzene-FID	75.6	50-150	%	09/18/2000 07:08	

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/09/27-01.02**

MB: 2000/09/27-01.02-001

Date Extracted: 09/27/2000 06:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/27/2000 06:27	
Benzene	ND	0.5	ug/L	09/27/2000 06:27	
Toluene	ND	0.5	ug/L	09/27/2000 06:27	
Ethyl benzene	ND	0.5	ug/L	09/27/2000 06:27	
Xylene(s)	ND	0.5	ug/L	09/27/2000 06:27	
MTBE	ND	5.0	ug/L	09/27/2000 06:27	
Surrogate(s)					
Trifluorotoluene	80.0	58-124	%	09/27/2000 06:27	
4-Bromofluorobenzene-FID	73.0	50-150	%	09/27/2000 06:27	

To: **SECOR-Oakland**

Attn: Angus McGrath

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/09/18-01.05**

LCS: 2000/09/18-01.05-002 Extracted: 09/18/2000 07:40 Analyzed 09/18/2000 07:40

LCSD: 2000/09/18-01.05-003 Extracted: 09/18/2000 08:12 Analyzed 09/18/2000 08:12

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	519	575	500	500	103.8	115.0	10.2	75-125	20		
Benzene	116	108	100.0	100.0	116.0	108.0	7.1	77-123	20		
Toluene	117	107	100.0	100.0	117.0	107.0	8.9	78-122	20		
Ethyl benzene	118	108	100.0	100.0	118.0	108.0	8.8	70-130	20		
Xylene(s)	323	305	300	300	107.7	101.7	5.7	75-125	20		
Surrogate(s)											
Trifluorotoluene	611	563	500	500	122.2	112.6		58-124			
4-Bromofluorobenzene-FI	422	467	500	500	84.4	93.4		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn: Angus McGrath

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/09/27-01.02**

LCS: 2000/09/27-01.02-002 Extracted: 09/27/2000 06:58 Analyzed 09/27/2000 06:58

LCSD: 2000/09/27-01.02-003 Extracted: 09/27/2000 07:29 Analyzed 09/27/2000 07:29

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	473	464	500	500	94.6	92.8	1.9	75-125	20		
Benzene	102	103	100.0	100.0	102.0	103.0	1.0	77-123	20		
Toluene	98.9	99.6	100.0	100.0	98.9	99.6	0.7	78-122	20		
Ethyl benzene	95.1	96.5	100.0	100.0	95.1	96.5	1.5	70-130	20		
Xylene(s)	271	275	300	300	90.3	91.7	1.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	441	440	500	500	88.2	88.0		58-124			
4-Bromofluorobenzene-FI	438	430	500	500	87.6	86.0		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

To: **SECOR-Oakland**

Attn.: Angus McGrath

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Matrix Spike (MS / MSD) **Water** **QC Batch # 2000/09/27-01.02**

Sample ID: **MW-2** Lab Sample ID: 2000-09-0284-001

MS: 2000/09/27-01.02-004 Extracted: 09/27/2000 23:36 Analyzed: 09/27/2000 23:36 Dilution: 1.0

MSD: 2000/09/27-01.02-005 Extracted: 09/27/2000 00:07 Analyzed: 09/27/2000 00:07 Dilution: 1.0

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	404	442	ND	500	500	80.8	88.4	9.0	65-135	20		
Benzene	106	84.7	ND	100.0	100.0	106.0	84.7	22.3	65-135	20		rpd
Toluene	101	81.5	ND	100.0	100.0	101.0	81.5	21.4	65-135	20		rpd
Ethyl benzene	95.9	76.6	ND	100.0	100.0	95.9	76.6	22.4	65-135	20		rpd
Xylene(s)	272	21800000	ND	300	300	90.7	72666	200.0	65-135	20		rpd
Surrogate(s)												
Trifluorotoluene	449	343		500	500	89.8	68.6		58-124			
4-Bromofluorobenzene-F	379	423		500	500	75.8	84.6		50-150			

To: **SECOR-Oakland**

Attn: Angus McGrath

Test Method: 8015M
8020

Prep Method: 5030

Legend & Notes

Gas/BTEX

QC Compound Flags

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

Analyte Flags

g

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

TEPH w/ Silica Gel Clean-up

SECOR-Oakland

360 22nd Street, Suite 600
Oakland, CA 94612

Attn: Angus McGrath

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

Project #: 014.07701

Project: Former Penske Trucking-3rd Qtr

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	09/14/2000 09:25	1
MW-8	Water	09/14/2000 10:00	2
OW-1	Water	09/14/2000 11:05	3
OW-2	Water	09/14/2000 12:00	4
MW-4	Water	09/14/2000 12:50	5
MW-7	Water	09/14/2000 13:20	6
MW-1	Water	09/14/2000 14:15	7

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**MW-2**	Lab Sample ID:	**2000-09-0284-001**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 09:25	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	120	50	ug/L	1.00	09/18/2000 14:13	ldr
Surrogate(s)						
o-Terphenyl	65.9	60-130	%	1.00	09/18/2000 14:13	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**MW-8**	Lab Sample ID:	**2000-09-0284-002**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 10:00	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	310	50	ug/L	1.00	09/18/2000 14:51	ndp
Surrogate(s)						
o-Terphenyl	103.6	60-130	%	1.00	09/18/2000 14:51	

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**OW-1**	Lab Sample ID:	**2000-09-0284-003**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 11:05	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5800	50	ug/L	1.00	09/18/2000 15:30	ndp
Surrogate(s)						
o-Terphenyl	96.0	60-130	%	1.00	09/18/2000 15:30	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0284

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**OW-2**	Lab Sample ID:	**2000-09-0284-004**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 12:00	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	6300	50	ug/L	1.00	09/18/2000 16:08	ndp
Surrogate(s)						
o-Terphenyl	88.3	60-130	%	1.00	09/18/2000 16:08	

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**MW-4**	Lab Sample ID:	**2000-09-0284-005**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 12:50	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	19000	250	ug/L	5.00	09/19/2000 19:02	ndp
Surrogate(s)						
o-Terphenyl	98.9	60-130	%	5.00	09/19/2000 19:02	

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**MW-7**	Lab Sample ID:	**2000-09-0284-006**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 13:20	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Sample/Analysis Flag o (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	15000000	100000	ug/L	2000.00	09/19/2000 18:24	ndp
Surrogate(s)						
o-Terphenyl	ND	60-130	ug/L	2000.00	09/19/2000 18:24	sd

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

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

TEPH w/ Silica Gel Clean-up

Sample ID:	**MW-1**	Lab Sample ID:	**2000-09-0284-007**
Project:	014.07701 Former Penske Trucking-3rd Qtr	Received:	09/15/2000 13:35
		Extracted:	09/15/2000 13:18
Sampled:	09/14/2000 14:15	QC-Batch:	2000/09/15-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	770000	10000	ug/L	200.00	09/19/2000 17:45	ndp
Surrogate(s)						
o-Terphenyl	ND	60-130	ug/L	200.00	09/19/2000 17:45	sd

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

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

Batch QC Report
TEPH w/ Silica Gel Clean-up

Method Blank | **Water** | **QC Batch # 2000/09/15-03.10**

MB: 2000/09/15-03.10-001 | Date Extracted: 09/15/2000 13:18

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	09/18/2000 21:37	
Surrogate(s)					
o-Terphenyl	101.5	60-130	%	09/18/2000 21:37	

To: **SECOR-Oakland**

Attn: Angus McGrath

Test Method: 8015M

Prep Method: 3510/8015M

Batch QC Report

TEPH w/ Silica Gel Clean-up

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/09/15-03.10**

LCS: 2000/09/15-03.10-002 Extracted: 09/15/2000 13:18 Analyzed 09/19/2000 03:25

LCSD: 2000/09/15-03.10-003 Extracted: 09/15/2000 13:18 Analyzed 09/19/2000 04:03

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1090	1080	1250	1250	87.2	86.4	0.9	60-130	25		
Surrogate(s)											
o-Terphenyl	22.9	23.1	20.0	20.0	114.5	115.5		60-130			

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

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

Legend & Notes

TEPH w/ Silica Gel Clean-up

Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample.

Analyte Flags

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate diluted out due to the presence of non-target materials.

GeoAnalytical Laboratories, Inc.

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

CERTIFICATE OF ANALYSIS

Report # L259-22 **Date:** 9/28/00

Chromalab
1220 Quarry Lane
Pleasanton CA 94566-4756

Project: 2000-09-0284

PO#

Date Rec'd: 9/15/00
Date Started: 9/15/00
Date Completed: 9/22/00

Date Sampled: 9/14/00
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
OW-1	L38943	1.0	300.0	Nitrate (NO3)	5.1	mg/L
		1.0	300.0	Sulfate	1.6	mg/L
OW-2	L38944	1.0	300.0	Nitrate (NO3)	4.6	mg/L
		1.0	300.0	Sulfate	ND	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# L259-22

QC REPORT

Chromalab
1220 Quarry Lane
Pleasanton CA 94566-4756

Dates Analyzed 9/15/00-9/22/00

Analyte	Batch #	Method	% Recovery	Duplicate %	RPD	Blank
Nitrate (NO3)	I09254	300.0	118.0	110.0	7.0	ND
Sulfate	I09255	300.0	119.2	106.0	11.7	ND

Ramiro Salgado
Chemist

Certification # 1157

Donna Keller
Laboratory Director

Chain of Custody 2000-09-0284-1

Date Shipped: 09/15/2000

L259-22

From:

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

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

To:

GeoAnalytical Labs
1405 Kansas Avenue
Modesto, CA 95351

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

CL Submission #: **2000-09-0284**
CL PO #:

Project #: 014.07701
Project Name: Former Penske Trucking-3rd Qtr

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	Due
OW-1	003	09/14/2000 11:05	Water	L38943
Subcontract - Nitrate	(1)		300/352.1	**09/22/2000 17:00**
Subcontract - Sulfate			300/375.4	**09/22/2000 17:00**
OW-2	004	09/14/2000 12:00	Water	L38944
Subcontract - Nitrate	(1)		300/352.1	**09/22/2000 17:00**
Subcontract - Sulfate			300/375.4	**09/22/2000 17:00**

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

unpreserved

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Chris Rowley 1500 / Signature / Time	Signature / Time	Signature / Time
C Rowley 09/15/00 / Printed Name / Date	Printed Name / Date	Printed Name / Date
Chromalab / Company	Company	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Janie Andrada 3:00PM / Signature / Time	Signature / Time	Signature / Time
Janie Andrada 9-15-00 / Printed Name / Date	Printed Name / Date	Printed Name / Date
GeoAnalytical / Company	Company	Company

2000-09-0284

Chain-of Custody Number: 54504

SECOR Chain-of Custody Record

Field Office: 005 - Oakland
Address: 360 22nd Street Suite 600
Oakland CA 94609

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

Job Name: Former Penske Trucking - 3rd Qtr
Location: 725 Julie Ann Way
Oakland CA

Project # 014.07701 Task # 002
Project Manager Angus McGrath
Laboratory Chromalab
Turnaround Time Standard

Sampler's Name Dylan Cardiff
Sampler's Signature Dylan Cardiff

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/lp with silica gel cleanup 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	Nitrate/Sulfate		Comments/ Instructions	Number of Containers
MW-2	9/14	9:25	Aq		X	X													4
MW-8	9/14	10:00	Aq		X	X													4
OW-1	9/14	11:05	Aq		X	X										X			5
OW-2	9/14	12:00	Aq		X	X										X			5
MW-4	9/14	13:50	Aq		X	X													4
MW-7	9/14	13:20	Aq		X	X													4
MW-1	9/14	14:15	Aq		X	X													4

Special Instructions/Comments:

3.5

Relinquished by:
Sign Dylan Cardiff
Print Dylan Cardiff
Company Secor
Time 10:00 Date 9/15/00

Received by:
Sign
Print MUSA
Company CLT
Time 12:20 Date 9/15/00

Relinquished by: MUSA
Sign
Print
Company CLT
Time 1:30 Date 9/14/00

Received by:
Sign
Print CROWLEY
Company CHROMALAB
Time 1335 Date 09/15/00

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: 9 / 14 / 00 Page 1 of 1