

July 7, 2000

SECOR
International Incorporated

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JUL 18 PM 3:13

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

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is pleased to submit the First Quarter Groundwater Monitoring Report presenting the results of groundwater monitoring conducted on March 14 and 15, 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 March 14 and 15, 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 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 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 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.

Seven samples were submitted for chemical analysis of total petroleum hydrocarbons in the gas range (TPHg) by EPA Method 8015M and total extractable petroleum hydrocarbons (TEPH reported as diesel –

August 7, 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

#554

Re: **Fenton's Reagent Benchscale Test Results**
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, CA

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is submitting this letter report on behalf of Penske Truck Leasing Co., L.P. for the former Penske Truck Leasing Facility at 725 Julie Ann Way, Oakland, California (the Site). The report includes a description of the benchscale test conducted utilizing the proposed Fenton's reagent treatment for impacted groundwater at the Site. This report describes the results of the study outlined in our letter dated April 17, 2000.

Benchscale Test Results

The benchscale study was conducted according to the plan outlined in SECOR's April 17, 2000 letter (Attachment A). Soil samples were taken from approximately 6 feet below ground surface at the Site, in the vicinity of wells MW-4 (P-1) and MW-7 (P-2).

The final pH reported for each of the treated samples was <4. All samples were acidified in the study because of the limited volume of soil recovered from the samples. Samples were treated as described in the treatment outline. Blank samples received no peroxide, and represented control samples.

The results of the study are listed in Table 1. Metal concentrations increased as a result of acidification as seen in the blank values for P-1 and P-2. Addition of hydrogen peroxide decreased the concentration of barium and some other metals, but increased the concentration of copper and chromium in both samples. An increase in soluble chromium concentrations is indicative of the formation of hexavalent chromium. Hexavalent chromium measurements using the HACH test kit did not work due to interference from residual peroxide. The increase in copper concentrations is most likely due to oxidation of copper in sediments. Many of the metal concentrations exceed water quality criteria after acidification and hydrogen peroxide treatment.

Implications of Test Results

The increase in metal concentrations is due to the addition of sulfuric and acetic acid. Groundwater monitoring at the Site has not revealed any heavy metal concentrations during monitoring in past events. Field studies have shown that acidified soil gradually neutralizes and precipitates dissolved metals out of the solution. Hydrogen peroxide oxidation of chromium has also been observed to occur in the past. Chemical oxidants such as permanganate and peroxide have been observed to oxidize trivalent to hexavalent chromium. Numerous studies conducted on the oxidation of chromium in soil have shown that chemical reducing conditions in soils gradually reduce hexavalent chromium to trivalent chromium.

Ferrous iron, dissolved oxygen (DO), and oxidation reduction potential (ORP) measurements indicate that there are strong reducing conditions at the Site that should reduce any oxidized metals back to their reduced and stabilized form. Although metal dissolution occurs during acidification and as a result of chromium and copper oxidation, the efficiency of dissolution should be greatest in the benchscale study, and not as efficient in the field. The neutralization potential will be greatest in the field as well. Therefore, this study does not reflect the permanent groundwater conditions after treatment.

In order to address the potential for metal dissolution and mobilization as a result of full-scale treatment, SECOR will monitor the downgradient monitoring well, MW-8 for CAM 16 metals. MW-8 will be monitored during the first post-injection quarterly monitoring event.

A tentative start date for the full-scale implementation of Fenton's Reagent has been scheduled for the week of September 18, 2000, pending final regulatory approval.

If you should have any questions concerning this project, please contact Richard Saut at (610) 775-6010 or Angus McGrath at (510) 285-2556.

Sincerely,

SECOR International Inc.



Angus E. McGrath, Ph.D.
Principal Geochemist

Attachment: Table 1

cc: Mr. Richard Saut, Penske Truck Leasing Co.
Mr. Don Pratt, SECOR International Inc.

Table 1: Metal Leaching from Benchscale Fenton's Test

Metals	Blank P-1	P-1 5% H ₂ O ₂	Blank P-2	P-2 5% H ₂ O ₂
	ug/L			
Antimony	ND<77	ND<86	ND<73	120
Arsenic	87	ND<7.1	110	31
Barium	2,400	2,000	2,200	1,400
Beryllium	2.9	ND<2.9	2.8	13
Cadmium	54	66	52	630
Chromium	18	520	15	1,800
Cobalt	270	150	270	1,000
Copper	ND<13	270	ND<12	3,600
Lead	490	260	1,500	310
Molybdenum	ND<26	ND<29	ND<24	130
Nickel	690	650	650	2,200
Selenium	19	120	8.7	100
Silver	ND<6.4	ND<7.1	ND<6.1	ND<6.8
Thallium	ND<6.4	11	ND<6.1	ND<6.8
Vanadium	66	680	64	3,800
Zinc	1,300	1,700	3,200	29,000

Notes:

All results in micrograms per liter.

Laboratory analytical data sheets available upon request.

ND = Not detected above specified laboratory reporting limit.

ATTACHMENT A
SECOR'S April 17, 2000 Letter

ATTACHMENT A

SECOR'S April 17, 2000 Letter

April 17, 2000

COPY

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: **Fenton's Reagent Pilot Study**
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, CA

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is submitting this outline of the Fenton's reagent bench scale study addition on behalf of Penske Truck Leasing Co., L.P. for the former Penske Truck Leasing Facility at 725 Julie Ann Way, Oakland, California (the Site). The purpose of the study is to evaluate the oxidation and mobilization of heavy metals as a result of hydrogen peroxide and sulfuric acid.

If you should have any questions concerning this project, please contact Richard G. Saut at (610) 775-7298 or Angus McGrath at (510) 285-2556.

Sincerely,

SECOR International Incorporated

COPY

Angus E. McGrath, Ph.D.
Principal Geochemist

Attachment

cc: Mr. Richard Saut, Penske Truck Leasing Co.
Mr. Don Pratt, SECOR International Inc.

TPHd, motor oil – TPHmo, kerosene - TPHk) 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 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 March 14 and 15, 2000 elevation data is presented in Figure 2. The depth to water for the current quarter ranged from 4.50 feet to 5.45 feet below the top of the PVC well casing. These corresponded to elevations of 0.32 feet to 0.88 feet, based on surveying of the site wells and use of the City of Oakland datum. Groundwater elevations increased in all wells, when compared to the December 28, 2000 monitoring results. Interpretation of the groundwater elevation contour map indicates that groundwater flow is directed towards well MW-4 which was the lowest point measured in March 2000.

Groundwater Chemical Results

Groundwater pH ranged from 6.97 to 7.31. Temperatures ranged from 19.7 to 24.8° Centigrade. Specific conductivity ranged from 273 to 1998 micromhos per centimeter ($\mu\text{mhos/cm}$). Turbidity ranged from low to high, and color ranged from clear to yellow or light brown, to grey. DO ranged from 0.99 to 2.11 mg/L and ORP ranged from -255 to +35 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 non-detect, 4 mg/L, and 2.2 mg/L, and non-detect, 5 mg/L, and 1.8 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, -7 and ~~8~~ TPHd concentrations ranged from 92 $\mu\text{g/L}$ (MW-2) to 640,000 $\mu\text{g/L}$ (MW-7). TPHg concentrations ranged from non-detect (MW-2,-8) to 700 $\mu\text{g/L}$ (OW-1). Benzene concentrations ranged from non-detect (MW-2, -4, and -8) to 59 $\mu\text{g/L}$ (MW-1). Toluene concentrations ranged from non-detect (MW-2, -4, -8, OW-1, and -2) to 5.3 $\mu\text{g/L}$ (MW-7). Ethylbenzene concentrations ranged from non-detect (MW-2, -4, -8, OW-1, and -2) to 12 $\mu\text{g/L}$ (MW-1), and xylenes concentrations ranged from non-detect (MW-2, -4, -8, OW-1, and -2) to 31 $\mu\text{g/L}$ (MW-7). TPHmo was detected in MW-2 at a concentration of 750 $\mu\text{g/L}$.

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 49 to 59 $\mu\text{g/L}$. MTBE was detected in monitoring well OW-1 at 5.5 $\mu\text{g/L}$ and OW-2 at 9.3 $\mu\text{g/L}$. 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) and 16 $\mu\text{g/L}$ in OW-2. Due to a field error, MW-1, MW-2, MW-4, MW-

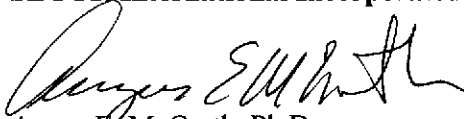
7, and MW-9 were not analyzed for MTBE. Chromalab reported the gas chromatograph used for BTEX analysis was out of calibration for MTBE, preventing post analysis quantification of MTBE. The laboratory could only report that no detectable peak was observed in the MTBE range for these samples. Historical and March 2000, groundwater chemical results are recorded in Table 2.

Based on the results presented in this report, natural attenuation maybe 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.

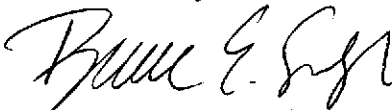
Sincerely,

SECOR International Incorporated


Angus E. McGrath, Ph.D.
Principal Geochemist


FOR
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	RE (FEET)	DIV (FOOT)	G.W. (FEET)
MW-1	02/20/97	5.43	5.41	0.02
	05/28/97		5.98	-0.55
	09/19/97		6.45	-1.02
	11/17/97		6.14	-0.71
	02/27/98		4.83	0.60
	05/27/98		6.42	-0.99
	10/01/98		6.49	-1.06
	12/22/98		6.35	-0.92
	12/28/99		7.34	-1.91
	03/14/00		4.95	0.48
	MW-2		02/20/97	6.20
05/28/97		6.65	-0.45	
09/19/97		6.90	-0.70	
11/17/97		6.75	-0.55	
02/27/98		5.31	0.89	
05/27/98		5.87	0.33	
10/01/98		6.95	-0.75	
12/22/98		6.70	-0.50	
12/28/99		7.08	-0.88	
03/15/00		5.45	0.75	
MW-3		02/20/97	6.10	
	05/28/97	6.62		-0.52
	09/19/97	6.83		-0.73
	11/17/97	6.77		-0.67
	02/27/98	5.38		0.72
	05/27/98	6.05		0.05
	10/01/98	6.95		-0.85
	12/22/98	6.73		-0.63
	12/28/99	7.22		-1.12
	03/14/00	NM		NM
	MW-4	02/20/97		5.18
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	
03/14/00		4.86	0.32	

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

WELL NO	DATE	RE (FEET)	DEW (FEET)	GWRE (FEET)
MW-5	02/20/97	4.71	4.68	0.03
	05/28/97		5.21	-0.50
	09/19/97		5.43	-0.72
	11/17/97		5.28	-0.57
	02/27/98		4.10	0.61
	05/27/98		5.40	-0.69
	10/01/98		5.42	-0.71
	12/22/98		5.40	-0.69
	12/28/99		5.73	-1.02
	03/14/00		NM	NM
	MW-6		02/20/97	5.37
05/28/97		5.93	-0.56	
09/19/97		6.15	-0.78	
11/17/97		6.06	-0.69	
02/27/98		4.74	0.63	
05/27/98		5.40	-0.03	
10/01/98		6.37	-1.00	
12/22/98		6.06	-0.69	
12/28/99		6.40	-1.03	
03/14/00		NM	NM	
MW-7		02/20/97	5.38	
	05/28/97	5.46		-0.08
	09/19/97	5.91		-0.53
	11/17/97	5.59		-0.21
	02/27/98	4.68		0.70
	05/27/98	5.17		0.21
	10/01/98	5.80		-0.42
	12/22/98	5.78		-0.40
	12/28/99	7.72		-2.34
	03/14/00	4.50		0.88
	MW-8	02/20/97		5.44
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	
03/14/00		5.01	0.43	
OW-1	12/28/99		5.77	NA
	03/15/00		4.47	NA

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

WELL NO.	DATE	RE (FEET) ^(a)	DTW (FEET)	CWTE (FEET)
OW-2	12/28/99		6.08	NA
	03/15/00		4.76	NA

Notes:

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

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

WELL NO.	DATE	CONCENTRATIONS (µg/l)						
		TPH ^d	TRH ^e	BENZENE	TOLUENE	ETHYLENE BENZENE	XYLENES	OTHER
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	43,000	1,700	49	1.3	11	24	ND
	03/14/00	4,300	540	59	1.3	12	23	NA
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
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
MW-4	02/20/97	470,000	64,000 ^(m)	ND	ND	ND	ND	NS
	05/28/97	1,000,000 ^(b)	11,000 ^(m)	ND	ND	ND	ND	NS
	09/19/97	2,600,000	37,000	260	ND	ND	ND	ND
	11/17/97	57,000 ^(c)	4,400 ^(c)	25 ^(c)	ND ^(c)	ND ^(c)	ND ^(c)	ND ^(c)
	02/27/98	9,300	580	2.7	0.8	0.8	3	ND
	05/27/98	11,000	3,900	1.4	0.6	ND	ND	ND
	10/01/98	670,000	2,400 ⁽ⁿ⁾	5.7	ND	ND	4.6	ND
	12/22/98	3,700 ^(e,o)	ND ^(p)	ND ^(p)	ND ^(p)	ND ^(p)	ND ^(p)	ND ^(p)
	12/28/99	5,800	1,000	ND	ND	ND	ND	ND
	03/14/00	4,800	350	ND	ND	ND	ND	NA

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

WELL NO.	DATE	CONCENTRATIONS (PPB)						
		TRIC	TRIC	BENZENE	TOLUENE	BENZENE	TOTAL XYLENES	VEBI
MW-5	02/20/97	1,100 ^(b)	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
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
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 ^(e)	15,000 ^(e)	110 ^(e)	41 ^(e)	12 ^(e)	110 ^(e)	ND ^(e)
	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
MW-8	02/20/97	2,500	340 ^(h)	2.1	53	7.1	94	NS
	05/28/97	200 ^(b,s)	480 ^(a)	2.5	12	ND	76	NS
	09/19/97	7,000	1,000	0.8	5	0.5	130	ND
	11/17/97	520	250	1.4	2.1	0.7	3	ND
	02/27/98	150	ND	ND	ND	ND	ND	ND
	05/27/98	70	ND	ND	ND	ND	ND	ND
	10/01/98	440 ⁽ⁱ⁾	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	130	ND	ND	ND	ND	ND	ND
	03/14/00	170	ND	ND	ND	ND	ND	NA

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

WELL NO.	DATE	CONCENTRATIONS (PPH)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE
OW-1	12/28/99	7,700	3400	11	ND	ND	2.6	ND
	03/15/00	5,300	700	1.7	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

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

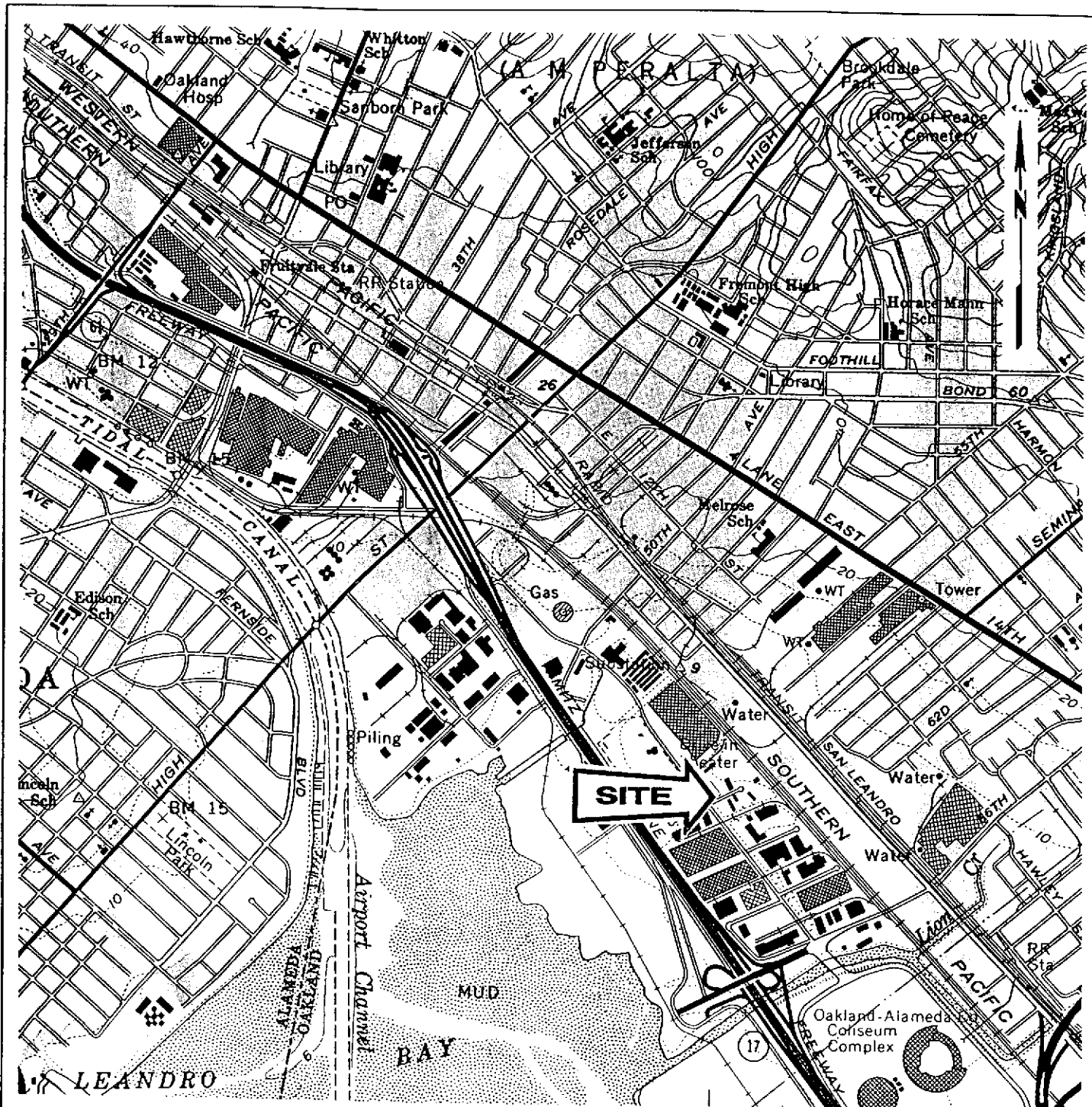
- (a) - Laboratory reports that chromatogram indicates gasoline and unidentified hydrocarbons >C8.
- (b) - Laboratory reports that the laboratory control sample failed for this batch, as well as when it was initially analyzed on 6/3/97. All results should be considered as estimated values. No additional 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.

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

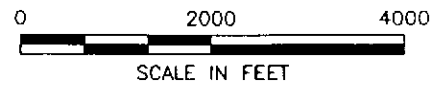
WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
	03/14/00	7.29	1.12	-23
MW-2	12/28/99	7.94	0.96	-38
	03/15/00	7.28	1.43	-255
MW-3	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
MW-4	12/28/99	7.38	0.80	-201
	03/14/00	6.97	2.11	35
MW-5	12/28/99	7.55	1.14	-118
	03/14/00	NM	NM	NM
MW-6	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
MW-7	12/28/99	7.94	1.30	-58
	03/14/00	7.23	1.05	-260
MW-8	12/28/99	7.79	0.42	-136
	03/14/00	7.05	1.53	-27
OW-1	12/28/99	7.67	0.99	-89
	03/15/00	7.31	1.16	-55
OW-2	12/28/99	7.69	1.79	-58
	03/15/00	7.25	0.99	-35

Notes:

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



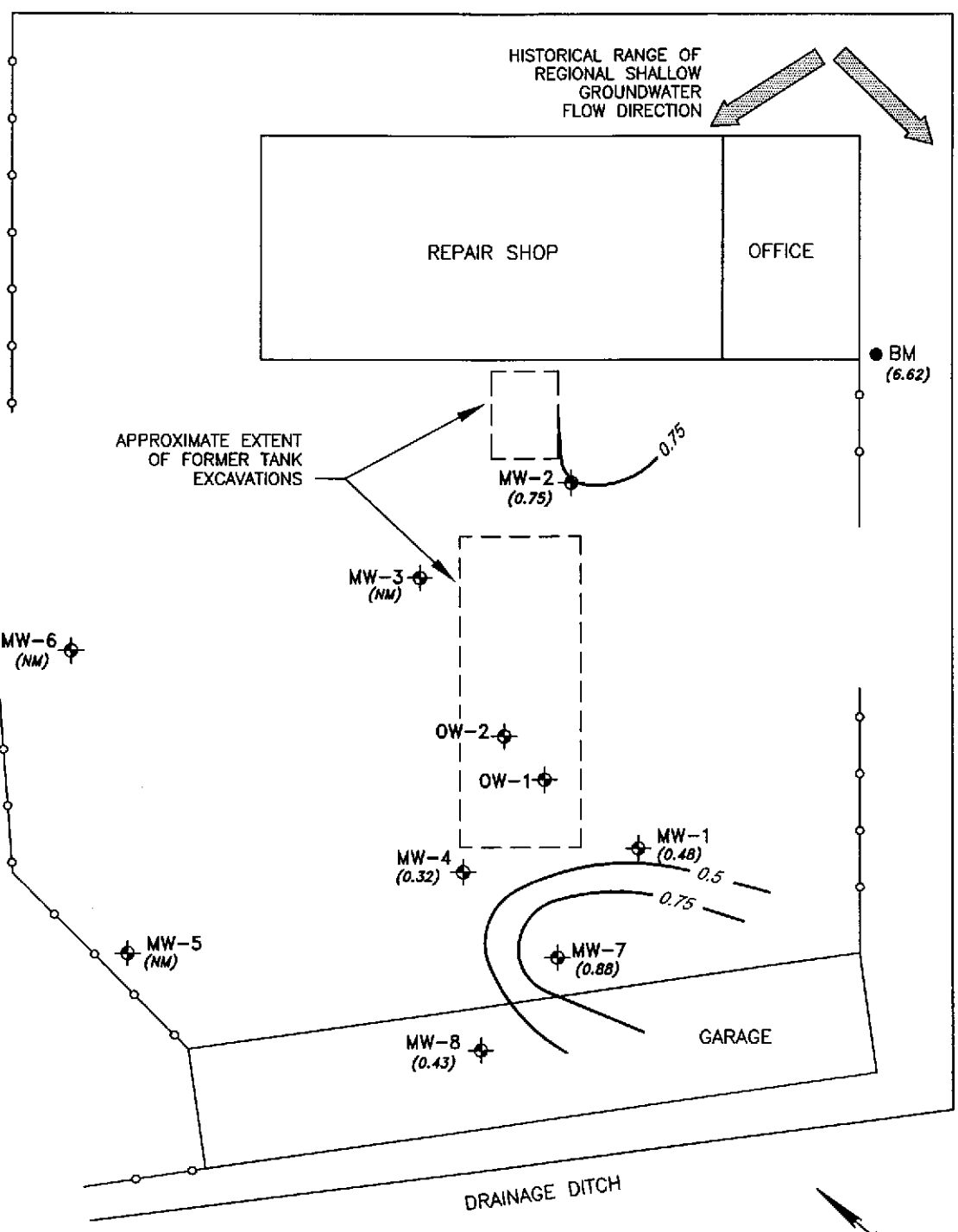
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
 OAKLAND EAST, CALIFORNIA
 (PHOTOREVISED 1980)





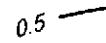
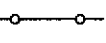

SECOR
International Incorporated

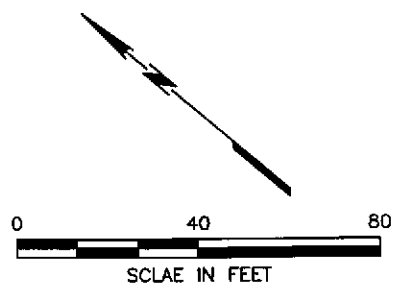
DRAWN	GEL
APPR	AEM
DATE	10NOV99
JOB NO.	014.07694.001

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



LEGEND

-  MW-1 APPROXIMATE LOCATION OF EXISTING GROUNDWATER WELLS
-  BM SURVEY BENCH MARK (BASED ON CITY OF OAKLAND DATUM)
-  (0.48) GROUNDWATER ELEVATION IN FEET 12/22/99
-  0.5 GROUNDWATER ELEVATION CONTOUR (FEET)
-  FENCE

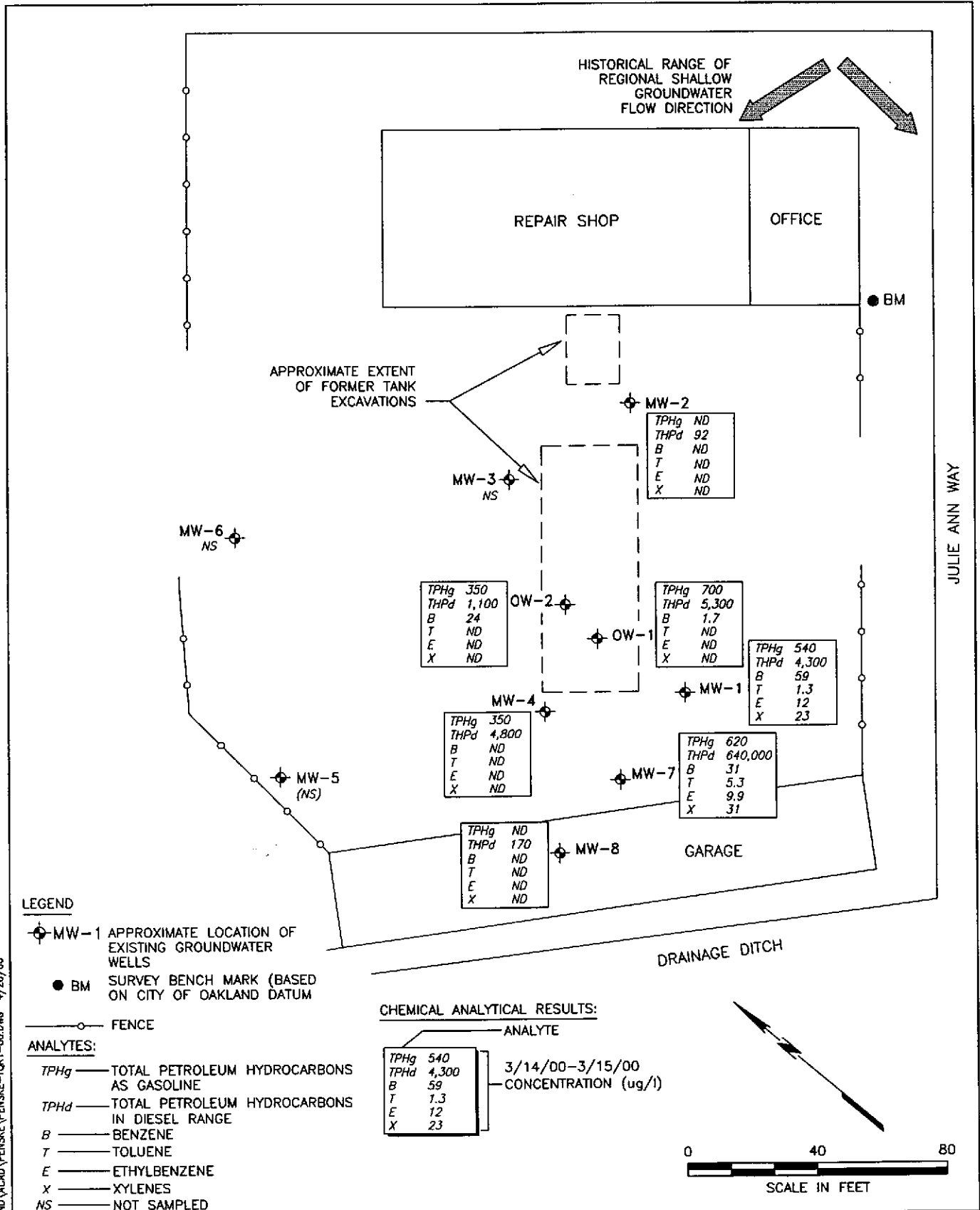


199812.271039 X:\OAKLAND\ACAD\PENSKA\THORT-98.DWG 2/20/00

SECOR
International Incorporated

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

FIGURE 2
FORMER PENSKA TRUCKING COMPANY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA
SHALLOW GROUNDWATER CONTOURS
1ST QUARTER, 2000



JULIE ANN WAY

199812.271039 X:\OAKLAND\ACAD\PENSKO\PENSKO-10RT-00.DWG 4/20/00

SECOR
International Incorporated

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

FIGURE 3
 FORMER PENSKO TRUCKING COMPANY
 725 JULIE ANN WAY
 OAKLAND, CALIFORNIA
PETROLEUM HYDROCARBON CONCENTRATIONS
1ST QUARTER, 2000

APPENDIX A
WATER SAMPLE FIELD DATA SHEETS

HYDROLOGIC DATA SHEET

PROJECT: 014.07614.001 EVENT: 1st gr 2000 SAMPLER: Dylan Gae/AD

WELL OR LOCATION	DATE			TIME		MEASUREMENT	CODE	COMMENTS
	MO	DA	YR	HR	MIN			
MW-1	3	14	00	12	45	4.95	DTW	1/10' product oily looking
MW-2	3	15	00	10	05	5.45	DTW	Sheen
MW-4	3	14	00	14	00	4.86	DTW	1/10' product oily looking
MW-7	3	14	00	13	25	4.5	DTW	2/10' product oily looking
MW-8	3	14	00	13	50	5.01	DTW	1/10' product oily looking
OW-1	3	15	00	11	05	4.47	DTW	Sheen
OW-2	3	15	00	10	45	4.76	DTW	Sheen

CODES: DTW - DEPTH TO WATER
 HCL - HYDROCARBON LEVEL
 HWI - HYDROCARBON/WATER INTERFACE
 TD - TOTAL DEPTH
 _____ (OTHER CODE)

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: DC WELL I.D.: MW-1
 CLIENT NAME: Former Peaske SAMPLED BY: DC SAMPLE I.D.: MW-1
 LOCATION: 725 Julie Ann Way Oakland WHAT QA SAMPLES?: None

DATE PURGED 3/14/00 START (2400hr) 12:45 END (2400hr) 13:25
 DATE SAMPLED 3/14/00 SAMPLE TIME (2400hr) 15:08

SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 34.00 CASING VOLUME (gal) = 19.53
 DEPTH TO WATER (feet) = 4.85 DTW = 4.95 CALCULATED PURGE (gal) = 58.59
 WATER COLUMN HEIGHT (feet) = 29.15 ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/14</u>	<u>13:00</u>	<u>20 gal</u>	<u>22.5</u>	<u>659 S/m</u>	<u>7.33</u>	<u>grey/cloudy</u>	<u>low</u>	_____
_____	<u>13:17</u>	<u>20 gal</u>	<u>22.4</u>	<u>633 S/m</u>	<u>7.33</u>	<u>clear</u>	<u>low</u>	_____
_____	<u>13:25</u>	<u>20 gal</u>	<u>21.4</u>	<u>624 S/m</u>	<u>7.29</u>	<u>clear</u>	<u>low</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION: ORR = -23 mV SAMPLE TURBIDITY: _____
DO = 12.890

80% RECHARGE: YES _____ NO ANALYSES: see C.O.C.

ODOR: slight-gas SAMPLE VESSEL / PRESERVATIVE: see C.O.C.

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
_____ Well Wizard Bladder Pump	_____ Bailer (Teflon)	_____ WW Bladder Pump	_____ Bailer (Teflon)
_____ Active Extration Well Pump	_____ Bailer (PVC)	_____ Sample Port	<input checked="" type="checkbox"/> Bailer (_____ PVC or <input checked="" type="checkbox"/> disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)	_____ Submersible Pump	_____ Bailer (Stainless Steel)
_____ Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>tubing</u>	_____ Peristaltic Pump	_____ Dedicated _____
Other: <u>Centrifugal pump</u>	_____	Other: _____	_____
Pump Depth: _____	_____	_____	_____

WELL INTEGRITY: Good LOCK#: None

REMARKS: _____ FOR WW PURGING: DISCHARGE TIME _____, REFILL TIME _____, AIR PRESSURE _____

SIGNATURE: [Signature] Page 1 of 1

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

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

DATE PURGED 3-15-00 START (2400hr) 10:05 END (2400hr) 10:27
 DATE SAMPLED 3-15-00 SAMPLE TIME (2400hr) 11:17

SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other

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

DEPTH TO BOTTOM (feet) = ~~28.52~~ 29.00 CASING VOLUME (gal) = 15.78
 DEPTH TO WATER (feet) = 5.48 5.45 Sheen CALCULATED PURGE (gal) = 47.34
 WATER COLUMN HEIGHT (feet) = ~~23.52~~ 23.55 ACTUAL PURGE (gal) = 50.00

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/15</u>	<u>10:13</u>	<u>16</u>	<u>21.0</u>	<u>.600 S/m</u>	<u>7.28</u>	<u>clear</u>	<u>low</u>	
	<u>10:17</u>	<u>16</u>	<u>21.0</u>	<u>.641 S/m</u>	<u>7.27</u>	<u>clear</u>	<u>low</u>	
	<u>10:20</u>	<u>16</u>	<u>20.6</u>	<u>.647 S/m</u>	<u>7.28</u>	<u>clear</u>	<u>low</u>	

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION: CRP = -255 mV SAMPLE TURBIDITY: DO = 12.0% 16.0%

80% RECHARGE: YES NO ANALYSES: see C.O.C
 ODOR: like low tide SAMPLE VESSEL / PRESERVATIVE: see C.O.C

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> Well Wizard Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> WW Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input type="checkbox"/> Active Extration Well Pump	<input type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> Sample Port	<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"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>tubing</u>	<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____
Other: <u>Centrifugal pump</u>		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: Good LOCK#: None

REMARKS: FOR WW PURGING: DISCHARGE TIME _____ REFILL TIME _____ AIR PRESSURE _____
Well box completely filled with parking lot mud, had to dig to expose well lid

SIGNATURE: Brian Cardiff Page 1 of 1

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: DC WELL I.D.: MW-4
 CLIENT NAME: Former Penske SAMPLED BY: DC SAMPLE I.D.: MW-4
 LOCATION: 725 Julie Ann Way WHAT QA SAMPLES?: None

DATE PURGED 3/14/00 START (2400hr) 14:00 END (2400hr) 14:35
 DATE SAMPLED 3/14/00 SAMPLE TIME (2400hr) 15:32

SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other

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

DEPTH TO BOTTOM (feet) = 33.5 CASING VOLUME (gal) = 19.26
 DEPTH TO WATER (feet) = 4.76 DTW = 4.86 CALCULATED PURGE (gal) = 57.76
 WATER COLUMN HEIGHT (feet) = 28.74 ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/14</u>	<u>14:13</u>	<u>20.00</u>	<u>21.7</u>	<u>1,379 μm</u>	<u>6.56</u>	<u>clear/light grey</u>	<u>low</u>	_____
_____	<u>14:31</u>	<u>20.00</u>	<u>22.6</u>	<u>1,575 μm</u>	<u>7.0 *</u>	<u>"</u>	<u>low/med</u>	_____
_____	<u>14:35</u>	<u>20.00</u>	<u>24.8</u>	<u>1,998 μm</u>	<u>6.97</u>	<u>clear</u>	<u>low</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION: CRP = +35 mV PO = 25.5 % SAMPLE TURBIDITY: _____

80% RECHARGE: YES NO ANALYSES: see C.O.C.
 ODOR: city gas SAMPLE VESSEL / PRESERVATIVE: see C.O.C.

PURGING EQUIPMENT

SAMPLING EQUIPMENT

Well Wizard Bladder Pump _____ Bailer (Teflon) _____
 Active Extraction Well Pump _____ Bailer (PVC) _____
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated tubing
 Other: Centrifugal pump
 Pump Depth: _____

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

WELL INTEGRITY: Good LOCK#: None

REMARKS: _____ FOR WW PURGING: DISCHARGE TIME _____, REFILL TIME _____, AIR PRESSURE _____

* error 03 on 2nd pH

SIGNATURE: Dyan Cardiff Page 1 of 1

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014-07694-001 PURGED BY: DC WELL I.D.: MW-7
 CLIENT NAME: Penske (Former) SAMPLED BY: DC SAMPLE I.D.: MW-7
 LOCATION: 725 Julia Ann Way Oakland WHAT QA SAMPLES?: None

DATE PURGED 3-14-00 START (2400hr) 13:25 END (2400hr) 13:45
 DATE SAMPLED 3-14-00 SAMPLE TIME (2400hr) 15:15

SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other

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

DEPTH TO BOTTOM (feet) = 29.00 28.52 CASING VOLUME (gal) = 16.22
 DEPTH TO WATER (feet) = 5.48 4.3 DTW = 4.5 CALCULATED PURGE (gal) = 48.66
 WATER COLUMN HEIGHT (feet) = 23.52 24.22 ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/14</u>	<u>13:32</u>	<u>13 gal</u>	<u>20.4</u>	<u>.646 S/m</u>	<u>7.22</u>	<u>clear</u>	<u>low</u>	
	<u>13:37</u>	<u>13 gal</u>	<u>20.7</u>	<u>.641 S/m</u>	<u>7.22</u>	<u>clear</u>	<u>low</u>	
	<u>13:42</u>	<u>13 gal</u>	<u>20.8</u>	<u>.626 S/m</u>	<u>7.23</u>	<u>clear</u>	<u>low</u>	

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION: ORP = -260 mV SAMPLE TURBIDITY: _____
 DO = 11.890

80% RECHARGE: YES NO ANALYSES: see C.O.C.
 ODOR: oily-gas SAMPLE VESSEL / PRESERVATIVE: see C.O.C.

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> Well Wizard Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> WW Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input type="checkbox"/> Active Extration Well Pump	<input type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> Sample Port	<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"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>tubing</u>	<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____
Other: <u>Centrifugal pump</u>		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: Good LOCK#: None

REMARKS: FOR WW PURGING: DISCHARGE TIME _____, REFILL TIME _____, AIR PRESSURE _____
Well box filled with water to top (ground level)
gas/oil sheen on top

SIGNATURE: [Signature] Page 1 of 1

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014-07694.001 PURGED BY: DC WELL I.D.: MW-8
 CLIENT NAME: Former Penske SAMPLED BY: DC SAMPLE I.D.: MW-8
 LOCATION: 725 Julie Ann Way Oakhurst WHAT QA SAMPLES?: None

DATE PURGED 3-11-00 START (2400hr) 13:50 END (2400hr) 14:10
 DATE SAMPLED 3-14-00 SAMPLE TIME (2400hr) 15:25

SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other

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

DEPTH TO BOTTOM (feet) = 25.60 CASING VOLUME (gal) = 13.86
 DEPTH TO WATER (feet) = product 4.91 DTW = 5.01 CALCULATED PURGE (gal) = 41.59
 WATER COLUMN HEIGHT (feet) = 20.69 ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/14</u>	<u>13:53</u>	<u>15gal</u>	<u>20.2</u>	<u>689 S/m</u>	<u>7.15</u>	<u>clear/yellow</u>	<u>low</u>	_____
_____	<u>13:58</u>	<u>15gal</u>	<u>19.5</u>	<u>713 S/m</u>	<u>7.09</u>	<u>"</u>	<u>"</u>	_____
_____	<u>14:02</u>	<u>15gal</u>	<u>19.9</u>	<u>704 S/m</u>	<u>7.05</u>	<u>"</u>	<u>"</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION ORP = -27 mV SAMPLE TURBIDITY: _____
DO = 16.8 %

80% RECHARGE: YES NO ANALYSES: see C.O.C.
 ODOR: oily gas SAMPLE VESSEL / PRESERVATIVE: see C.O.C.

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> Well Wizard Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> WW Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input type="checkbox"/> Active Extration Well Pump	<input type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> Sample Port	<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"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <u>tubing</u>	<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____
Other: <u>Centrifugal pump</u>	_____	Other: _____	_____
Pump Depth: _____	_____	_____	_____

WELL INTEGRITY: Good LOCK#: None

REMARKS: _____ FOR WW PURGING: DISCHARGE TIME _____, REFILL TIME _____, AIR PRESSURE _____

SIGNATURE: Brian Cardiff Page 1 of 1

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07694.001 PURGED BY: DC WELL I.D.: OW-1
CLIENT NAME: Former Peaske SAMPLED BY: DC SAMPLE I.D.: OW-1
LOCATION: 725 Julie Ann Way Oakbrook WHAT QA SAMPLES?: None

DATE PURGED 3/15/00 START (2400hr) 11:05 END (2400hr) 11:20
DATE SAMPLED 3/15/00 SAMPLE TIME (2400hr) 11:40 11:25

SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 14.40 CASING VOLUME (gal) = 6.65
DEPTH TO WATER (feet) = 4.47 - sheer CALCULATED PURGE (gal) = 19.96
WATER COLUMN HEIGHT (feet) = 9.93 ACTUAL PURGE (gal) = 29

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/15</u>	<u>11:05</u>	<u>7</u>	<u>19.9</u>	<u>.306 S/m</u>	<u>7.43</u>	<u>yellow</u>	<u>low</u>	
	<u>11:16</u>	<u>10</u>	<u>18.9</u>	<u>.295 S/m</u>	<u>7.25</u>	<u>light yellow</u>	<u>low</u>	
	<u>11:19</u>	<u>7</u>	<u>19.2</u>	<u>.297 S/m</u>	<u>7.31</u>	<u>11</u>	<u>low</u>	

2.7 mg/l Ferrrous Iron

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION: ORP = -65 mV SAMPLE TURBIDITY: DO = ~~1.16~~ mg/l 1.16 mg/l

80% RECHARGE: YES NO ANALYSES: see CDR
ODOR: slight gas SAMPLE VESSEL / PRESERVATIVE: see CDR

PURGING EQUIPMENT: _____ Well Wizard Bladder Pump _____ Bailer (Teflon)
_____ Active Extraction Well Pump _____ Bailer (PVC)
_____ Submersible Pump _____ Bailer (Stainless Steel)
_____ Peristaltic Pump Dedicated tubing
Other: Centrifugal pump
Pump Depth: _____

SAMPLING EQUIPMENT: _____ WW Bladder Pump _____ Bailer (Teflon)
_____ Sample Port Bailer (PVC or disposable)
_____ Submersible Pump _____ Bailer (Stainless Steel)
_____ Peristaltic Pump _____ Dedicated _____
Other: _____

WELL INTEGRITY: Good LOCK: None

REMARKS: _____ FOR WW PURGING: DISCHARGE TIME _____, REFILL TIME _____, AIR PRESSURE _____
ORC socks in well - removed

SIGNATURE: [Signature] Page 1 of 1

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

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

DATE PURGED 3/15/00 START (2400hr) 10:45 END (2400hr) 11:00
 DATE SAMPLED 3/15/00 SAMPLE TIME (2400hr) 11:40

SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 14.10 CASING VOLUME (gal) = 6.25
 DEPTH TO WATER (feet) = 4.76 - sheer CALCULATED PURGE (gal) = 18.07
 WATER COLUMN HEIGHT (feet) = 9.34 ACTUAL PURGE (gal) = 24.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	DTW (ft)
<u>3/15</u>	<u>10:50</u>	<u>7</u>	<u>19.5 C</u>	<u>.278 sm</u>	<u>7.39</u>	<u>yellow</u>	<u>low</u>	
	<u>10:54</u>	<u>7</u>	<u>19.6 C</u>	<u>.271 sm</u>	<u>7.26</u>	<u>yellow</u>	<u>low</u>	
	<u>10:58</u>	<u>7</u>	<u>19.7 C</u>	<u>.273 sm</u>	<u>7.25</u>	<u>slight yellow</u>	<u>low</u>	
				<u>1.8 mg/l</u>	<u>Ferrous iron</u>			

SAMPLE DEPTH TO WATER: _____ SAMPLE INFORMATION: ORP = -35 mV SAMPLE TURBIDITY: DO = 0.99 mg/l 10.8.90

80% RECHARGE: YES _____ NO ANALYSES: see C.O.C.
 ODOR: slight-gas SAMPLE VESSEL / PRESERVATIVE: see C.O.C.

PURGING EQUIPMENT
 Well Wizard Bladder Pump Bailer (Teflon)
 Active Extration Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated tubing
 Other: Centrifugal pump
 Pump Depth: _____

SAMPLING EQUIPMENT
 WW Bladder Pump Bailer (Teflon)
 Sample Port Bailer (PVC or disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: Good LOCK#: None

REMARKS: _____ FOR WW PURGING: DISCHARGE TIME _____ REFILL TIME _____ AIR PRESSURE _____
ORC socks in well - removed

SIGNATURE: [Signature] Page 1 of 1

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

Date: March 28, 2000

SECOR-Oakland

360 22nd Street, Suite 600
Oakland, CA 94612

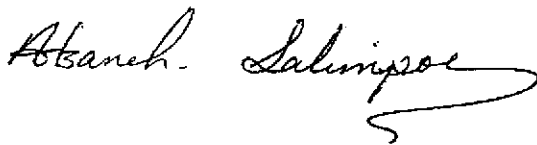
Attn.: Angus McGrath

Project: A. McGrath

Attached is our report for your samples received on Wednesday March 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 April 14, 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 #: 2000-03-0277

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 #:

Project: A. McGrath

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	03/15/2000 11:12	1
OW-2	Water	03/15/2000 11:40	2
MW-2	Water	03/15/2000 11:12	3

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: OW-1	Lab Sample ID: 2000-03-0277-001
Project: A. McGrath	Received: 03/15/2000 14:53
Sampled: 03/15/2000 11:12	Extracted: 03/28/2000 09:53
Matrix: Water	QC-Batch: 2000/03/28-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	700	50	ug/L	1.00	03/28/2000 09:53	
Benzene	1.7	0.50	ug/L	1.00	03/28/2000 09:53	
Toluene	ND	0.50	ug/L	1.00	03/28/2000 09:53	
Ethyl benzene	ND	0.50	ug/L	1.00	03/28/2000 09:53	
Xylene(s)	ND	0.50	ug/L	1.00	03/28/2000 09:53	
MTBE	5.5	5.0	ug/L	1.00	03/28/2000 09:53	
Surrogate(s)						
Trifluorotoluene	99.0	58-124	%	1.00	03/28/2000 09:53	
4-Bromofluorobenzene-FID	104.1	50-150	%	1.00	03/28/2000 09:53	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: OW-2	Lab Sample ID: 2000-03-0277-002
Project: A. McGrath	Received: 03/15/2000 14:53
Sampled: 03/15/2000 11:40	Extracted: 03/22/2000 18:47
Matrix: Water	QC-Batch: 2000/03/22-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	350	50	ug/L	1.00	03/22/2000 18:47	g
Benzene	24	0.50	ug/L	1.00	03/22/2000 18:47	
Toluene	ND	0.50	ug/L	1.00	03/22/2000 18:47	
Ethyl benzene	ND	0.50	ug/L	1.00	03/22/2000 18:47	
Xylene(s)	ND	0.50	ug/L	1.00	03/22/2000 18:47	
MTBE	9.3	5.0	ug/L	1.00	03/22/2000 18:47	
Surrogate(s)						
Trifluorotoluene	89.6	58-124	%	1.00	03/22/2000 18:47	
4-Bromofluorobenzene-FID	82.8	50-150	%	1.00	03/22/2000 18:47	

1220 Quarry Lane * Pleasanton, CA 94566-4756
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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-2	Lab Sample ID: 2000-03-0277-003
Project: A. McGrath	Received: 03/15/2000 14:53
Sampled: 03/15/2000 11:12	Extracted: 03/22/2000 19:22
Matrix: Water	QC-Batch: 2000/03/22-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/22/2000 19:22	
Benzene	ND	0.50	ug/L	1.00	03/22/2000 19:22	
Toluene	ND	0.50	ug/L	1.00	03/22/2000 19:22	
Ethyl benzene	ND	0.50	ug/L	1.00	03/22/2000 19:22	
Xylene(s)	ND	0.50	ug/L	1.00	03/22/2000 19:22	
MTBE	ND	5.0	ug/L	1.00	03/22/2000 19:22	
<i>Surrogate(s)</i>						
Trifluorotoluene	87.0	58-124	%	1.00	03/22/2000 19:22	
4-Bromofluorobenzene-FID	81.1	50-150	%	1.00	03/22/2000 19:22	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M

8020

Attn.: Angus McGrath

Prep Method: 5030

Batch QC Report Gas/BTEX and MTBE

Method Blank

Water

QC Batch # 2000/03/22-01.01

MB: 2000/03/22-01.01-001

Date Extracted: 03/22/2000 10:05

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	03/22/2000 10:05	
Benzene	ND	0.5	ug/L	03/22/2000 10:05	
Toluene	ND	0.5	ug/L	03/22/2000 10:05	
Ethyl benzene	ND	0.5	ug/L	03/22/2000 10:05	
Xylene(s)	ND	0.5	ug/L	03/22/2000 10:05	
MTBE	ND	5.0	ug/L	03/22/2000 10:05	
Surrogate(s)					
Trifluorotoluene	89.6	58-124	%	03/22/2000 10:05	
4-Bromofluorobenzene-FID	86.2	50-150	%	03/22/2000 10:05	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M

8020

Attn.: Angus McGrath

Prep Method: 5030

Batch QC Report Gas/BTEX and MTBE

Method Blank	Water	QC Batch # 2000/03/28-01.01
MB: 2000/03/28-01.01-001		Date Extracted: 03/28/2000 06:01

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	03/28/2000 06:01	
Benzene	ND	0.5	ug/L	03/28/2000 06:01	
Toluene	ND	0.5	ug/L	03/28/2000 06:01	
Ethyl benzene	ND	0.5	ug/L	03/28/2000 06:01	
Xylene(s)	ND	0.5	ug/L	03/28/2000 06:01	
MTBE	ND	5.0	ug/L	03/28/2000 06:01	
<i>Surrogate(s)</i>					
Trifluorotoluene	96.0	58-124	%	03/28/2000 06:01	
4-Bromofluorobenzene-FID	93.6	50-150	%	03/28/2000 06:01	

1220 Quarry Lane * Pleasanton, CA 94566-4756

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M
8020

Attn: Angus McGrath

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/03/22-01.01
LCS: 2000/03/22-01.01-002	Extracted: 03/22/2000 10:40	Analyzed 03/22/2000 10:40
LCSD: 2000/03/22-01.01-003	Extracted: 03/22/2000 11:15	Analyzed 03/22/2000 11:15

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	491	521	500	500	98.2	104.2	5.9	75-125	20		
Benzene	91.3	94.6	100.0	100.0	91.3	94.6	3.6	77-123	20		
Toluene	89.6	93.0	100.0	100.0	89.6	93.0	3.7	78-122	20		
Ethyl benzene	90.8	94.0	100.0	100.0	90.8	94.0	3.5	70-130	20		
Xylene(s)	271	279	300	300	90.3	93.0	2.9	75-125	20		
Surrogate(s)											
Trifluorotoluene	436	463	500	500	87.2	92.6		58-124			
4-Bromofluorobenzene-FI	439	465	500	500	87.8	93.0		50-150			

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015M
8020

Attn: Angus McGrath

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/03/28-01.01
LCS: 2000/03/28-01.01-002	Extracted: 03/28/2000 06:36	Analyzed 03/28/2000 06:36
LCSD: 2000/03/28-01.01-003	Extracted: 03/28/2000 07:11	Analyzed 03/28/2000 07:11

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]			Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD
Gasoline	517	529	500	500	103.4	105.8	2.3	75-125	20		
Benzene	98.6	94.7	100.0	100.0	98.6	94.7	4.0	77-123	20		
Toluene	92.2	88.0	100.0	100.0	92.2	88.0	4.7	78-122	20		
Ethyl benzene	98.1	92.1	100.0	100.0	98.1	92.1	6.3	70-130	20		
Xylene(s)	292	275	300	300	97.3	91.7	5.9	75-125	20		
Surrogate(s)											
Trifluorotoluene	478	456	500	500	95.6	91.2		58-124			
4-Bromofluorobenzene-FI	474	482	500	500	94.8	96.4		50-150			

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

To: SECOR-Oakland

Test Method: 8015M
8020

Attn: Angus McGrath

Prep Method: 5030

Legend & Notes

Gas/BTEX and MTBE

Analyte Flags

g

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

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 #:

Project: A. McGrath

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	03/15/2000 11:12	1
OW-2	Water	03/15/2000 11:40	2
MW-2	Water	03/15/2000 11:12	3

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

TEPH w/ Silica Gel Clean-up

Sample ID: OW-1	Lab Sample ID: 2000-03-0277-001
Project: A. McGrath	Received: 03/15/2000 14:53
Sampled: 03/15/2000 11:12	Extracted: 03/20/2000 09:52
Matrix: Water	QC-Batch: 2000/03/20-03.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5300	50	ug/L	1.00	03/21/2000 11:31	ndp
Motor Oil	ND	500	ug/L	1.00	03/21/2000 11:31	
<i>Surrogate(s)</i> o-Terphenyl	97.3	60-130	%	1.00	03/21/2000 11:31	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

TEPH w/ Silica Gel Clean-up

Sample ID: OW-2	Lab Sample ID: 2000-03-0277-002
Project: A. McGrath	Received: 03/15/2000 14:53
Sampled: 03/15/2000 11:40	Extracted: 03/20/2000 09:52
Matrix: Water	QC-Batch: 2000/03/20-03.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1100	50	ug/L	1.00	03/21/2000 12:11	ndp
Motor Oil	ND	500	ug/L	1.00	03/21/2000 12:11	
<i>Surrogate(s)</i> o-Terphenyl	89.5	60-130	%	1.00	03/21/2000 12:11	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

TEPH w/ Silica Gel Clean-up

Sample ID: MW-2	Lab Sample ID: 2000-03-0277-003
Project: A. McGrath	Received: 03/15/2000 14:53
Sampled: 03/15/2000 11:12	Extracted: 03/20/2000 09:52
Matrix: Water	QC-Batch: 2000/03/20-03.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	92	50	ug/L	1.00	03/21/2000 12:50	ldr
Motor Oil	750	500	ug/L	1.00	03/21/2000 12:50	
Surrogate(s) o-Terphenyl	82.6	60-130	%	1.00	03/21/2000 12:50	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

Batch QC Report
TEPH w/ Silica Gel Clean-up

Method Blank	Water	QC Batch # 2000/03/20-03.10
MB: 2000/03/20-03.10-001		Date Extracted: 03/20/2000 09:52

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	03/21/2000 12:50	
Motor Oil	ND	500	ug/L	03/21/2000 12:50	
Surrogate(s) o-Terphenyl	93.0	60-130	%	03/21/2000 12:50	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0277

To: SECOR-Oakland

Test Method: 8015m

Attn: Angus McGrath

Prep Method: 3510/8015M

Batch QC Report

TEPH w/ Silica Gel Clean-up

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/03/20-03.10
LCS: 2000/03/20-03.10-002	Extracted: 03/20/2000 09:52	Analyzed 03/21/2000 13:29
LCSD: 2000/03/20-03.10-003	Extracted: 03/20/2000 09:52	Analyzed 03/21/2000 14:08

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Diesel	932	899	1250	1250	74.6	71.9	3.7	60-130	25				
Surrogate(s)													
o-Terphenyl	25.8	25.5	20.0	20.0	129.0	127.5		60-130					

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

To: SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015m

Prep Method: 3510/8015M

Legend & Notes

TEPH w/ Silica Gel Clean-up

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

GeoAnalytical Laboratories, Inc.

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

CERTIFICATE OF ANALYSIS

Report # L076-14

Date: 3/23/00

Chromalab
1220 Quarry Lane
Pleasanton

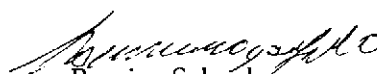
Project: 2000-03-0277

CA 94566-4756 PO#

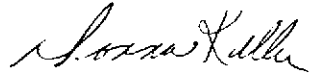
Date Rec'd: 3/16/00
Date Started: 3/17/00
Date Completed: 3/21/00

Date Sampled: 3/15/00
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
OW-1	L32415	1.0	300.0	Nitrate (NO3)	ND	mg/L
		1.0	300.0	Sulfate	4	mg/L
OW-2	L32416	1.0	300.0	Nitrate (NO3)	ND	mg/L
		1.0	300.0	Sulfate	5	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# L076-14

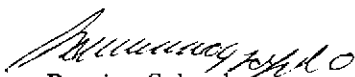
QC REPORT

Chromalab
1220 Quarry Lane
Pleasanton

CA 94566-4756

Dates Analyzed 3/17/00-3/21/00

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Nitrate (NO3)	I01891	300.0	101.0	99.0	2.0	ND
Sulfate	I01892	300.0	99.0	89.0	10.6	ND


Ramiro Salgado
Chemist

Certification # 1157


Donna Keller
Laboratory Director

L076-14

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: asalimpour@chromalab.com

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

CL Submission #: **2000-03-0277**
 CL PO #:

Project #:
 Project Name: A. McGrath

Client Sample ID	CL#	Sampled	Matrix	Due
Analysis			Method	
OW-1	ATY: 1 001	03/15/2000 11:12	Water	
Subcontract - Nitrate		L32415	300/352.1	03/23/2000 17:00
Subcontract - Sulfate			300/375.4	03/23/2000 17:00
OW-2	ATY: 1 002	03/15/2000 11:40	Water	
Subcontract - Nitrate		L32416	300/352.1	03/23/2000 17:00
Subcontract - Sulfate			300/375.4	03/23/2000 17:00

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1. <i>Chris Kowley</i> Signature Time C. KOWLEY 03/16/00 Printed Name Date Chromalab Company	RELINQUISHED BY: 2. Signature Time Printed Name Date Company	RELINQUISHED BY: 3. Signature Time Printed Name Date Company
RECEIVED BY: 1. <i>Magini</i> Signature Time Magini 3/16/00 Printed Name Date Geo Analytical Lab Company	RECEIVED BY: 2. Signature Time Printed Name Date Company	RECEIVED BY: 3. Signature Time Printed Name Date Company

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

Date: March 27, 2000

SECOR-Oakland

360 22nd Street, Suite 600
Oakland, CA 94612

Attn.: Angus McGrath

Project: 014.07694.001
Penske-725 Julie Ann

Attached is our report for your samples received on Tuesday March 14, 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 April 13, 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

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

Gas/BTEX

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

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	03/14/2000	1
MW-7	Water	03/14/2000	2
MW-8	Water	03/14/2000	3
MW-4	Water	03/14/2000	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX

Sample ID: MW-1	Lab Sample ID: 2000-03-0260-001
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/23/2000 17:00
Matrix: Water	QC-Batch: 2000/03/23-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	540	50	ug/L	1.00	03/23/2000 17:00	
Benzene	59	0.50	ug/L	1.00	03/23/2000 17:00	
Toluene	1.3	0.50	ug/L	1.00	03/23/2000 17:00	
Ethyl benzene	12	0.50	ug/L	1.00	03/23/2000 17:00	
Xylene(s)	23	0.50	ug/L	1.00	03/23/2000 17:00	
Surrogate(s)						
Trifluorotoluene	82.8	58-124	%	1.00	03/23/2000 17:00	
4-Bromofluorobenzene-FID	84.9	50-150	%	1.00	03/23/2000 17:00	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX

Sample ID: MW-7	Lab Sample ID: 2000-03-0260-002
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/24/2000 14:15
Matrix: Water	QC-Batch: 2000/03/24-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	620	250	ug/L	5.00	03/24/2000 14:15	
Benzene	31	2.5	ug/L	5.00	03/24/2000 14:15	
Toluene	5.3	2.5	ug/L	5.00	03/24/2000 14:15	
Ethyl benzene	9.9	2.5	ug/L	5.00	03/24/2000 14:15	
Xylene(s)	31	2.5	ug/L	5.00	03/24/2000 14:15	
Surrogate(s)						
Trifluorotoluene	75.9	58-124	%	1.00	03/24/2000 14:15	
4-Bromofluorobenzene-FID	83.0	50-150	%	1.00	03/24/2000 14:15	

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX

Sample ID: MW-8	Lab Sample ID: 2000-03-0260-003
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/23/2000 17:28
Matrix: Water	QC-Batch: 2000/03/23-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/23/2000 17:28	
Benzene	ND	0.50	ug/L	1.00	03/23/2000 17:28	
Toluene	ND	0.50	ug/L	1.00	03/23/2000 17:28	
Ethyl benzene	ND	0.50	ug/L	1.00	03/23/2000 17:28	
Xylene(s)	ND	0.50	ug/L	1.00	03/23/2000 17:28	
Surrogate(s)						
Trifluorotoluene	87.0	58-124	%	1.00	03/23/2000 17:28	
4-Bromofluorobenzene-FID	84.0	50-150	%	1.00	03/23/2000 17:28	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn.: Angus McGrath

Prep Method: 5030

Gas/BTEX

Sample ID: MW-4	Lab Sample ID: 2000-03-0260-004
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/23/2000 17:56
Matrix: Water	QC-Batch: 2000/03/23-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	350	50	ug/L	1.00	03/23/2000 17:56	g
Benzene	ND	0.50	ug/L	1.00	03/23/2000 17:56	
Toluene	ND	0.50	ug/L	1.00	03/23/2000 17:56	
Ethyl benzene	ND	0.50	ug/L	1.00	03/23/2000 17:56	
Xylene(s)	ND	0.50	ug/L	1.00	03/23/2000 17:56	
Surrogate(s)						
Trifluorotoluene	81.3	58-124	%	1.00	03/23/2000 17:56	
4-Bromofluorobenzene-FID	88.9	50-150	%	1.00	03/23/2000 17:56	

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M

8020

Attn.: Angus McGrath

Prep Method: 5030

Batch QC Report Gas/BTEX

Method Blank

Water

QC Batch # 2000/03/23-01.04

MB: 2000/03/23-01.04-001

Date Extracted: 03/23/2000 08:43

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	03/23/2000 08:43	
Benzene	ND	0.5	ug/L	03/23/2000 08:43	
Toluene	ND	0.5	ug/L	03/23/2000 08:43	
Ethyl benzene	ND	0.5	ug/L	03/23/2000 08:43	
Xylene(s)	ND	0.5	ug/L	03/23/2000 08:43	
Surrogate(s)					
Trifluorotoluene	89.6	58-124	%	03/23/2000 08:43	
4-Bromofluorobenzene-FID	87.6	50-150	%	03/23/2000 08:43	

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M

8020

Attn.: Angus McGrath

Prep Method: 5030

Batch QC Report Gas/BTEX

Method Blank

Water

QC Batch # 2000/03/24-01.04

MB: 2000/03/24-01.04-001

Date Extracted: 03/24/2000 09:48

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	03/24/2000 09:48	
Benzene	ND	0.5	ug/L	03/24/2000 09:48	
Toluene	ND	0.5	ug/L	03/24/2000 09:48	
Ethyl benzene	ND	0.5	ug/L	03/24/2000 09:48	
Xylene(s)	ND	0.5	ug/L	03/24/2000 09:48	
Surrogate(s)					
Trifluorotoluene	91.2	58-124	%	03/24/2000 09:48	
4-Bromofluorobenzene-FID	90.0	50-150	%	03/24/2000 09:48	

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn: Angus McGrath

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/03/23-01.04
LCS: 2000/03/23-01.04-002	Extracted: 03/23/2000 09:11	Analyzed 03/23/2000 09:11
LCSD: 2000/03/23-01.04-003	Extracted: 03/23/2000 09:39	Analyzed 03/23/2000 09:39

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Gasoline	452	452	500	500	90.4	90.4	0.0	75-125	20				
Benzene	94.6	85.9	100.0	100.0	94.6	85.9	9.6	77-123	20				
Toluene	96.5	88.4	100.0	100.0	96.5	88.4	8.8	78-122	20				
Ethyl benzene	94.9	86.6	100.0	100.0	94.9	86.6	9.1	70-130	20				
Xylene(s)	286	264	300	300	95.3	88.0	8.0	75-125	20				
Surrogate(s)													
Trifluorotoluene	455	401	500	500	91.0	80.2		58-124					
4-Bromofluorobenzene-FI	470	464	500	500	94.0	92.8		50-150					

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn: Angus McGrath

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/03/24-01.04
LCS: 2000/03/24-01.04-002	Extracted: 03/24/2000 10:16	Analyzed 03/24/2000 10:16
LCSD: 2000/03/24-01.04-003	Extracted: 03/24/2000 10:44	Analyzed 03/24/2000 10:44

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	455	442	500	500	91.0	88.4	2.9	75-125	20		
Benzene	85.0	80.4	100.0	100.0	85.0	80.4	5.6	77-123	20		
Toluene	95.7	86.6	100.0	100.0	95.7	86.6	10.0	78-122	20		
Ethyl benzene	93.7	84.7	100.0	100.0	93.7	84.7	10.1	70-130	20		
Xylene(s)	283	259	300	300	94.3	86.3	8.9	75-125	20		
Surrogate(s)											
Trifluorotoluene	450	390	500	500	90.0	78.0		58-124			
4-Bromofluorobenzene-FI	470	461	500	500	94.0	92.2		50-150			

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015M
8020

Attn: Angus McGrath

Prep Method: 5030

Legend & Notes

Gas/BTEX

Analyte Flags

g

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

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 #: 014.07694.001

Project: Penske-725 Julie Ann

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	03/14/2000	1
MW-7	Water	03/14/2000	2
MW-8	Water	03/14/2000	3
MW-4	Water	03/14/2000	4

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

TEPH w/ Silica Gel Clean-up

Sample ID: MW-1	Lab Sample ID: 2000-03-0260-001
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/17/2000 10:49
Matrix: Water	QC-Batch: 2000/03/17-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4300	50	ug/L	1.00	03/21/2000 03:33	ndp
Motor Oil	ND	500	ug/L	1.00	03/21/2000 03:33	
Kerosene	ND	50	ug/L	1.00	03/21/2000 03:33	
Surrogate(s) o-Terphenyl	99.0	60-130	%	1.00	03/21/2000 03:33	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

TEPH w/ Silica Gel Clean-up

Sample ID: MW-7	Lab Sample ID: 2000-03-0260-002
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/17/2000 10:49
Matrix: Water	QC-Batch: 2000/03/17-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	640000	2500	ug/L	50.00	03/21/2000 11:31	ndp
Motor Oil	ND	25000	ug/L	50.00	03/21/2000 11:31	
Kerosene	ND	2500	ug/L	50.00	03/21/2000 11:31	
Surrogate(s) o-Terphenyl	ND	60-130	ug/L	50.00	03/21/2000 11:31	sd

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

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: 2000-03-0260-003
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/17/2000 10:49
Matrix: Water	QC-Batch: 2000/03/17-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	170	50	ug/L	1.00	03/21/2000 04:12	ndp
Motor Oil	ND	500	ug/L	1.00	03/21/2000 04:12	
Kerosene	ND	50	ug/L	1.00	03/21/2000 04:12	
Surrogate(s) o-Terphenyl	100.7	60-130	%	1.00	03/21/2000 04:12	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015m

Attn.: Angus McGrath

Prep Method: 3510/8015M

TEPH w/ Silica Gel Clean-up

Sample ID: MW-4	Lab Sample ID: 2000-03-0260-004
Project: 014.07694.001 Penske-725 Julie Ann	Received: 03/14/2000 09:58
Sampled: 03/14/2000	Extracted: 03/17/2000 10:49
Matrix: Water	QC-Batch: 2000/03/17-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4800	50	ug/L	1.00	03/21/2000 04:51	ndp
Motor Oil	ND	500	ug/L	1.00	03/21/2000 04:51	
Kerosene	ND	50	ug/L	1.00	03/21/2000 04:51	
<i>Surrogate(s)</i> o-Terphenyl	100.4	60-130	%	1.00	03/21/2000 04:51	

1220 Quarry Lane * Pleasanton, CA 94566-4756
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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

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 # 2000/03/17-02.10
MB: 2000/03/17-02.10-001		Date Extracted: 03/17/2000 10:49

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	03/21/2000 09:27	
<i>Surrogate(s)</i> o-Terphenyl	101.5	60-130	%	03/21/2000 09:27	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-03-0260

To: SECOR-Oakland

Test Method: 8015m

Attn: Angus McGrath

Prep Method: 3510/8015M

Batch QC Report

TEPH w/ Silica Gel Clean-up

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/03/17-02.10
LCS: 2000/03/17-02.10-002	Extracted: 03/17/2000 10:49	Analyzed 03/21/2000 18:28
LCSD: 2000/03/17-02.10-003	Extracted: 03/17/2000 10:49	Analyzed 03/21/2000 19:12

Compound	Conc. [%]		Exp. Conc. [%]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Diesel	929	1190	1250	1250	74.3	95.2	24.7	60-130	25				
Surrogate(s) o-Terphenyl	17.1	20.3	20.0	20.0	85.5	101.5		60-130					

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

To: SECOR-Oakland

Attn: Angus McGrath

Test Method: 8015m

Prep Method: 3510/8015M

Legend & Notes

TEPH w/ Silica Gel Clean-up

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

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

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

2000-03-0260 Reference #: 50974

1220 Quarry Lane • Pleasanton, California 94566-4756
510/484-1919 • Facsimile 510/484-1096

Chain of Custody

DATE 3-14-00 PAGE 1 OF 1

with silica gel clean up AS

PROJ MGR: Angus McGrath
 COMPANY: Secor
 ADDRESS: 360 22nd St Suite 100
Oakland CA 94612

SAMPLERS (SIGNATURE): Dylan Cardiff (PHONE NO.): 510 385 2556
 (FAX NO.): _____

ANALYSIS REPORT

SAMPLE ID	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015, 8020) <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) <input type="checkbox"/> Kerosene, <input type="checkbox"/> Diesel, <input type="checkbox"/> M.O.	PURGEABLE HALOCARBONS, (HYOCs) (EPA 8016)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMI-VOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B + F, E + F)	<input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	<input type="checkbox"/> W.E.T. (STLC) <input type="checkbox"/> TCLP	<input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24 hr hold time for H2O)	Hydrocarbon Signature	
MW-1	3/14	15:08	GW	HCl *	X		X	X														
MW-7	3/14	15:15	GW	HCl *			X	X														
MW-8	3/14	15:25	GW	HCl *			X	X														
MW-4	3/14	15:38	GW	HCl *	↓		↓	↓														
* Amber liters have <u>no</u> preservative																						

Sample taken 12:33 → X
 Sample taken 12:33 → X

PROJECT INFORMATION

PROJECT NAME: Penske - 725 Julie Ave
 PROJECT NUMBER: 014-07694.001
 P.O. #: _____

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS: 22
 HEAD SPACE: _____
 TEMPERATURE: _____
 CONFORMS TO RECORD AS

TAT: STANDARD 5-DAY 24 72 OTHER

Report: Routine Level 2 Level 3 Level 4 Electronic Report

SPECIAL INSTRUCTIONS/COMMENTS:
 Note: Product samples were taken at 12:33 for MW-7 & 12:33 for MW-4

RELINQUISHED BY

1. SIGNATURE: Dylan Cardiff (TIME): 16:10
 PRINTED NAME: Dylan Cardiff (DATE): 5-14-00
 COMPANY: Secor

2. SIGNATURE: _____ (TIME): _____
 PRINTED NAME: _____ (DATE): _____
 COMPANY: _____

RECEIVED BY

1. SIGNATURE: _____ (TIME): 1610
 PRINTED NAME: B. Moran (DATE): 3/14/00
 COMPANY: Chromalab

2. SIGNATURE: _____ (TIME): _____
 PRINTED NAME: _____ (DATE): _____
 COMPANY: _____

RELINQUISHED BY

SIGNATURE: B. Moran (TIME): 1730
 PRINTED NAME: B. Moran (DATE): 3/14/00
 COMPANY: Chromalab

RECEIVED BY (LABORATORY)

SIGNATURE: Denise Harrington (TIME): _____
 PRINTED NAME: D. Harrington (DATE): 1730
 COMPANY: Chromalab 3/14/00 (LAB)