July 19, 2002

R0354

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

JUL 31 2002

RE: FIRST SEMIANNUAL GROUNDWATER MONITORING REPORT FOR 2002
PENSKE TRUCK LEASING FACILITY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is pleased to submit the First Semiannual Groundwater Monitoring Report for 2002 presenting the results of groundwater monitoring and sampling conducted on April 11 and 12, 2002, at the former Penske Truck Leasing Company (Penske) facility located at 725 Julie Ann Way, Oakland, California (the Site, see Figure 1). We are submitting this document on behalf of 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 (SF-RWQCB) in their letter dated March 25, 1994.

GROUNDWATER MONITORING PROCEDURES

On April 11 and 12, 2002, SECOR sounded (MW-3 and MW-6 were sounded only), purged, and sampled eight monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-7, MW-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 seven groundwater monitoring wells were also measured for pH, temperature, specific conductivity, dissolved oxygen (DO), and oxidation reduction potential (ORP). The depth-to-water measurements and physical parameters 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. Dedicated tubing was used to purge each well, and the water-level indicator was rinsed with deionized water between soundings to prevent cross contamination.

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

57 Lafayette Circle, 2nd Floor, Lafayette, CA 94549-4321 925 299-9300 925 299-9302 Fax www.secor.com

Seven samples were analyzed for total petroleum hydrocarbons reported as gasoline (TPH/g) and total extractable petroleum hydrocarbons (TEPH reported as diesel – TPH/d) by modified U.S. Environmental Protection Agency (EPA) Method 8015M, and benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8020. TPH/d samples from wells MW-1, MW-2, MW-4, MW-7, and MW-8 were pre-treated with silica gel prior to analysis. Ferrous iron was measured in each well using a HACH field test kit. Laboratory analytical reports and chain-of-custody records are included in Appendix B.

SUMMARY OF RESULTS

Historical groundwater elevation measurements including those of the current sampling period are tabulated in Table 1. Historical groundwater chemical results including the current sampling period are summarized in Table 2. Historical DO, pH, and ORP measurements are included in Table 3.

Groundwater Elevation and Gradient

A groundwater elevation contour map based on the April 11, 2002, groundwater elevation data is presented in Figure 2. The depth-to-water for the current sampling period ranged from 4.52 feet to 5.88 feet below the top of the PVC well casing in wells OW-1 and OW-2, respectively (top of casing elevations for these two wells are not available). Groundwater elevations ranged from 0.05 feet (MW-5) to 0.70 feet (MW-7) relative to mean sea level, based on the City of Oakland datum. Overall groundwater elevations increased when compared to the December 2001 monitoring results. Interpretation of the groundwater elevation contour map indicates that groundwater flow in the northern portion of the site is directed towards the west and southwest. In the southern portion of the site, groundwater flow appears to be controlled by local mounding in the groundwater surface in the vicinity of wells MW-7 and MW-8, which is consistent with historical observations.

Groundwater Chemical Results

Groundwater pH ranged from 6.58 to 7.25. Groundwater temperatures ranged from 17.5° to 22.6° Centigrade. Specific conductivity ranged from 1.61 to 71.94 micromhos per centimeter (µmhos/cm). DO ranged from 0.37 to 2.28 milligrams per liter (mg/L) and ORP ranged from -524 to 126 mill volts (mV). The pH, conductivity, and temperature are in the normal ranges for sites in this area. The negative ORP and low DO levels (approximately 1 mg/L) are indicative of oxygen-depleting conditions, indicating that microbial activity may be occurring in the groundwater. The depletion of oxygen is most likely a result of the microbial degradation of hydrocarbons in groundwater. [redacted] also indicate that microbial activity [redacted] impacted by Fenton's reagent treatments conducted by [redacted] September 2000.

A groundwater concentration map based on the April 2002 groundwater chemical results is presented in Figure 3. No separate-phase free-product was observed in any of the monitoring wells. Product sheen or what [redacted] MW-7, OW-1 and OW-2. TPH/d concentrations ranged from [redacted] micrograms per liter (µg/L) (MW-1). TPH/g concentrations ranged from non-detect (MW-2, MW-4, MW-4 and MW-8) to 820 µg/L (OW-2). Benzene concentrations ranged from non-detect (MW-2, MW-4, MW-5, MW-7, MW-8 and OW-1) to 6.4 µg/L (OW-2). Toluene, ethylbenzene, and total xylenes were not detected in any of the wells sampled during this sampling event.

Overall, TPH/d, TPH/g, and BTEX concentrations have decreased significantly since the Fenton's reagent treatment in wells MW-1, MW-4 and MW-7 was implemented in September 2000. Separate-phase free-product has been eliminated in all wells, and only a minor sheen is evident in selected wells. SECOR is prepared to conduct one more semiannual event in October 2002. Should the results of that event indicate that free product is no longer present and TPH concentrations remain stable or decrease, SECOR will prepare a no further action request letter for the site and petition for closure, as per agreement with ACEHS.

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 (925) 299-9300.

Sincerely,

SECOR International Incorporated

Neil Doran
Staff Geologist

Angus E. McGrath, Ph.D.
Principal Geochemist

Reviewed by:

Bruce E. Scarbrough, R.G.
Principal Geologist

cc: Richard Saut, Penske

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

Figure 1 – Site Location Map
Figure 2 – Shallow Groundwater Contours, 1st Semiannual Event, 2002
Figure 3 – Petroleum Hydrocarbon Concentrations, 1st Semiannual Event, 2002

Appendix A – Water Sample Field Data Sheets
Appendix B – Laboratory Analytical Reports and Chain-of-Custody Records

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

WELL NO.	DATE	RE (FEET)*	DTW (FEET)	GWE (FEET)
MW-1	02/20/97	5.43	5.41	0.02
	05/28/97		5.98	-0.55
	09/19/97		6.45	-1.02
	11/17/97		6.14	-0.71
	02/27/98		4.83	0.60
	05/27/98		6.42	-0.99
	10/01/98		6.49	-1.06
	12/22/98		6.35	-0.92
	12/28/99		7.34	-1.91
	03/14/00		4.95	0.48
	06/28/00		5.54	-0.11
	09/14/00		6.41	-0.98
	12/11/00		6.08	-0.65
	03/14/01		6.11	-0.68
	06/13/01		5.68	-0.25
	08/29/01		6.13	-0.70
	12/12/01		5.31	0.12
	04/11/02		5.21	0.22
MW-2	02/20/97	6.20	6.26	-0.06
	05/28/97		6.65	-0.45
	09/19/97		6.90	-0.70
	11/17/97		6.75	-0.55
	02/27/98		5.31	0.89
	05/27/98		5.87	0.33
	10/01/98		6.95	-0.75
	12/22/98		6.70	-0.50
	12/28/99		7.08	-0.88
	03/15/00		5.45	0.75
	06/28/00		6.37	-0.17
	09/14/00		6.86	-0.66
	12/11/00		7.33	-1.13
	03/14/01		5.75	0.45
	06/13/01		6.33	-0.13
	08/29/01		6.71	-0.51
	12/12/01		5.92	0.28
	04/11/02		5.88	0.32
MW-3	02/20/97	6.10	6.36	-0.26
	05/28/97		6.62	-0.52
	09/19/97		6.83	-0.73
	11/17/97		6.77	-0.67
	02/27/98		5.38	0.72
	05/27/98		6.05	0.05
	10/01/98		6.95	-0.85
	12/22/98		6.73	-0.63
	12/28/99		7.22	-1.12
	03/14/00		NM	NM
	06/28/00		6.37	-0.27
	09/14/00		7.06	-0.96
	12/11/00		6.68	-0.58
	03/14/01		5.85	0.25
	06/13/01		6.34	-0.24
	08/29/01		6.70	-0.60
	12/12/01		5.95	0.15
	04/11/02		5.86	0.24
MW-4	02/20/97	5.18	5.29	-0.11
	05/28/97		5.66	-0.48
	09/19/97		6.00	-0.82
	11/17/97		6.06	-0.88
	02/27/98		4.66	0.52
	05/27/98		5.98	-0.80
	10/01/98		5.23	-0.05
	12/22/98		6.57	-1.39
	12/28/99		6.54	-1.36

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

WELL NO.	DATE	RE (MSL)*	DTW (FEET)	GWLE (MSL)
MW-4	03/14/00		4.86	0.32
Cont.	06/28/00		5.55	-0.37
	09/14/00		6.05	-0.87
	12/11/00		5.93	-0.75
	03/14/01		5.04	0.14
	06/13/01		5.25	-0.07
	08/29/01		5.89	-0.71
	12/12/01		5.14	0.04
	04/11/02		4.96	0.22
MW-5	02/20/97	4.71	4.68	0.03
	05/28/97		5.21	-0.50
	09/19/97		5.43	-0.72
	11/17/97		5.28	-0.57
	02/27/98		4.10	0.61
	05/27/98		5.40	-0.69
	10/01/98		5.42	-0.71
	12/22/98		5.40	-0.69
	12/28/99		5.73	-1.02
	03/14/00		NM	NM
	06/28/00		5.11	-0.40
	09/14/00		NM	NM
	12/11/00		5.48	-0.77
	03/14/01		4.57	0.14
	06/13/01		5.05	-0.34
	08/29/01		5.34	-0.63
	12/12/01		4.79	-0.08
	04/11/02		4.66	0.05
MW-6	02/20/97	5.37	5.38	-0.01
	05/28/97		5.93	-0.56
	09/19/97		6.15	-0.78
	11/17/97		6.06	-0.69
	02/27/98		4.74	0.63
	05/27/98		5.40	-0.03
	10/01/98		6.37	-1.00
	12/22/98		6.06	-0.69
	12/28/99		6.40	-1.03
	03/14/00		NM	NM
	06/28/00		6.71	-1.34
	09/14/00		6.17	-0.80
	12/11/00		NM	NM
	03/14/01		5.11	0.26
	06/13/01		6.65	-1.28
	08/29/01		6.00	-0.63
	12/12/01		5.33	0.04
	04/11/02		5.15	0.22
MW-7	02/20/97	5.38	5.70	-0.32
	05/28/97		5.46	-0.08
	09/19/97		5.91	-0.53
	11/17/97		5.59	-0.21
	02/27/98		4.68	0.70
	05/27/98		5.17	0.21
	10/01/98		5.80	-0.42
	12/22/98		5.78	-0.40
	12/28/99		7.72	-2.34
	03/14/00		4.50	0.88
	06/28/00		5.51	-0.13
	09/14/00		5.93	-0.55
	12/11/00		5.72	-0.34
	03/14/01		4.58	0.80
	06/13/01		5.18	0.20
	08/29/01		5.53	-0.15
	12/12/01		4.73	0.65
	04/11/02		4.68	0.70
MW-8	02/20/97	5.44	5.10	0.34
	05/28/97		5.68	-0.24

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)
MW-8	09/19/97		5.95	-0.51
Cont.	11/17/97		5.91	-0.47
	02/27/98		4.50	0.94
	05/27/98		6.10	-0.66
	10/01/98		6.13	-0.69
	12/22/98		6.10	-0.66
	12/28/99		6.30	-0.86
	03/14/00		5.01	0.43
	06/28/00		5.47	-0.03
	09/14/00		5.99	-0.55
	12/11/00		5.84	-0.40
	03/14/01		4.90	0.54
	06/13/01		5.40	0.04
	08/29/01		5.80	-0.36
	12/12/01		5.05	0.39
	04/11/02		4.95	0.49
OW-1	12/28/99		5.77	NA
	03/15/00		4.47	NA
	06/29/00		4.95	NA
	08/29/01		5.01	NA
	09/14/00		5.31	NA
	12/11/00		5.17	NA
	03/14/01		4.54	NA
	06/13/01		4.75	NA
	12/12/01		4.80	NA
	04/11/02		4.52	NA
OW-2	12/28/99		6.08	NA
	03/15/00		4.76	NA
	06/29/00		5.15	NA
	09/14/00		5.60	NA
	12/11/00		5.45	NA
	03/14/01		4.77	NA
	06/13/01		5.01	NA
	08/29/01		5.31	NA
	12/12/01		5.10	NA
	04/11/02		4.83	NA

Notes:

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

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

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE
MW-1	02/20/97	200,000	2,900[a]	260	61	42	96	NS
	05/28/97	28,000[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
	09/14/00	770,000	1,100	34	ND	3.9	17	ND
	12/11/00	28,000	2,000	10	ND	ND	9.3	ND
	03/14/01	8,400	350	12	ND	ND	ND	ND
	06/13/01	13,000	340	6.4	ND	ND	1.6	ND
	08/29/01	26,000*	140#	ND	ND	ND	ND	ND
	12/12/01	5,600*	160#	0.65	ND	ND	ND	ND
	04/12/02	23,000*	260#	3.4	ND	ND	ND	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
	06/28/00	ND	ND	ND	ND	ND	ND	ND
	09/14/00	120	ND	ND	ND	ND	ND	ND
	12/11/00	ND	ND	ND	ND	ND	ND	ND
	03/14/01	75	ND	ND	ND	ND	ND	ND
	06/13/01	ND	ND	ND	ND	ND	ND	ND
	08/29/01	ND	ND	ND	ND	ND	ND	ND
	12/12/01	150*	ND	ND	ND	ND	ND	ND
	04/12/02	ND	ND	ND	ND	ND	ND	NA
MW-3	02/20/97	140[h]	ND	ND	ND	ND	ND	NS
	05/28/97	240[b,h]	ND	ND	ND	ND	ND	NS
	09/19/97	ND	ND	0.7	ND	ND	ND	ND
	11/17/97	ND	ND	ND	ND	ND	ND	ND
	02/27/98	ND	ND	ND	ND	ND	ND	ND
	05/27/98	ND	ND	ND	ND	ND	ND	ND
	10/01/98	56[l]	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	NS	NS	NS	NS	NS	NS	NS
	03/14/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	NS	NS	NS	NS	NS	NS	NS
	09/14/00	NS	NS	NS	NS	NS	NS	NS

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

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-3 Cont.	12/11/00	NS	NS	NS	NS	NS	NS	NS
	03/14/01	NS	NS	NS	NS	NS	NS	NS
	06/13/01	NS	NS	NS	NS	NS	NS	NS
	08/29/01	NS	NS	NS	NS	NS	NS	NS
	12/13/01	NS	NS	NS	NS	NS	NS	NS
	04/11/02	NS	NS	NS	NS	NS	NS	NS
MW-4	02/20/97	470,000	64,000[m]	ND	ND	ND	ND	NS
	05/28/97	1,000,000[b]	11,000[m]	ND	ND	ND	ND	NS
	09/19/97	2,600,000	37,000	260	ND	ND	ND	ND
	11/17/97	57,000[c]	4,400[c]	25[c]	ND[c]	ND[c]	ND[c]	ND[c]
	02/27/98	9,300	580	2.7	0.8	0.8	3	ND
	05/27/98	11,000	3,900	1.4	0.6	ND	ND	ND
	10/01/98	670,000	2,400[n]	5.7	ND	ND	4.6	ND
	12/22/98	3,700[e,o]	ND[p]	ND[p]	ND[p]	ND[p]	ND[p]	ND[p]
	12/28/99	5,800	1,000	ND	ND	ND	ND	ND
	03/14/00	4,800	350	ND	ND	ND	ND	NA
	06/28/00	8,400*	120#	ND	ND	ND	ND	ND
	09/14/00	19,000	130	ND	ND	ND	ND	ND
	12/11/00	730	120	ND	ND	ND	ND	ND
	03/14/01	580	ND	ND	ND	ND	ND	ND
	06/13/01	260	54	ND	ND	ND	ND	ND
	08/29/01	30,000*	940#	ND	ND	ND	ND	ND
	12/13/01	260*	ND	ND	ND	ND	ND	ND
	04/12/02	230*	ND	ND	ND	ND	ND	NA
MW-5	02/20/97	1,100[h]	ND	ND	ND	ND	ND	NS
	05/28/97	560[b,q]	60[m]	ND	ND	ND	ND	NS
	09/19/97	1,000	70	ND	ND	ND	ND	ND
	11/17/97	1,100	70	0.6	0.7	0.5	ND	5
	02/27/98	ND	ND	ND	ND	ND	ND	5
	05/27/98	770	ND	ND	ND	ND	ND	ND
	10/01/98	630	ND	ND	ND	ND	ND	ND
	12/22/98	890[r]	ND	ND	ND	ND	ND	ND
	12/28/99	440	ND	ND	ND	ND	ND	ND
	03/15/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	110*	ND	ND	ND	ND	ND	ND
	09/14/00	NS	NS	NS	NS	NS	NS	NS
	12/11/00	130	ND	ND	ND	ND	ND	ND
	03/14/01	NS	NS	NS	NS	NS	NS	NS
	06/13/01	120	ND	ND	ND	ND	ND	ND
	08/29/01	NS	NS	NS	NS	NS	NS	NS
	12/13/01	530*	ND	ND	ND	ND	ND	ND
	04/11/02	230*	ND	ND	ND	ND	ND	NA
MW-6	02/20/97	NS	NS	NS	NS	NS	NS	NS
	05/28/97	NS	NS	NS	NS	NS	NS	NS
	09/19/97	NS	NS	NS	NS	NS	NS	NS
	11/17/97	NS	NS	NS	NS	NS	NS	NS
	02/27/98	NS	NS	NS	NS	NS	NS	NS
	05/27/98	NS	NS	NS	NS	NS	NS	NS
	10/01/98	NS	NS	NS	NS	NS	NS	NS
	12/22/98	NS	NS	NS	NS	NS	NS	NS

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

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE
MW-6 Cont.	12/28/99	NS	NS	NS	NS	NS	NS	NS
	03/15/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	NS	NS	NS	NS	NS	NS	NS
	09/14/00	NS	NS	NS	NS	NS	NS	NS
	12/11/00	NS	NS	NS	NS	NS	NS	NS
	03/14/01	NS	NS	NS	NS	NS	NS	NS
	06/13/01	NS	NS	NS	NS	NS	NS	NS
	08/29/01	NS	NS	NS	NS	NS	NS	NS
	12/13/01	NS	NS	NS	NS	NS	NS	NS
	04/11/02	NS	NS	NS	NS	NS	NS	NS
MW-7	02/20/97	1,500,000	15,000[m]	81	51	ND	ND	NS
	05/28/97	440,000[b]	390,000[m]	ND	ND	ND	ND	NS
	09/19/97	910,000	3,600	110	64	37	ND	ND
	11/17/97	18,000,000[c]	15,000[c]	110[c]	41[c]	12[c]	110[c]	ND[c]
	02/27/98	290,000	45,000	80	60	ND	ND	ND
	05/27/98	1,600	140	2.3	0.9	0.9	3	ND
	10/01/98	89,000	710[n]	39	2.4	11	31	ND
	12/22/98	240,000[o]	3,900[g]	51	ND	ND	ND	ND
	12/28/99	300,000	2,300	51	5.3	13	27	ND
	03/14/00	640,000	620	31	5.3	9.9	31	NA
	06/28/00	2,900,000	3,200#	15	ND	3.2	30	ND
	09/14/00	15,000,000	1,900	11	ND	10	39	ND
	12/12/00	340,000	4,500	ND	ND	ND	17	ND
	03/14/01	170,000	8,000	ND	ND	ND	ND	ND
	06/13/01	19,000	100	0.99	ND	ND	ND	6.2
	08/29/01	27,000*	120#	3.9	ND	ND	ND	5
	12/12/01	6,900*	610#	ND	ND	ND	ND	ND
	04/12/02	2,600*	110#	ND	ND	ND	ND	NA
MW-8	02/20/97	2,500	340[a]	2.1	53	7.1	94	NS
	05/28/97	200[b,s]	480[a]	2.5	12	ND	76	NS
	09/19/97	7,000	1,000	0.8	5	0.5	130	ND
	11/17/97	520	250	1.4	2.1	0.7	3	ND
	02/27/98	150	ND	ND	ND	ND	ND	ND
	05/27/98	70	ND	ND	ND	ND	ND	ND
	10/01/98	440[t]	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	130	ND	ND	ND	ND	ND	ND
	03/14/00	170	ND	ND	ND	ND	ND	NA
	06/28/00	300*	ND	ND	ND	ND	ND	ND
	09/14/00	310	ND	ND	ND	ND	ND	ND
	12/11/00	15,000	ND	ND	ND	ND	ND	ND
	03/14/01	130	ND	ND	ND	ND	ND	ND
	06/13/01	100	ND	ND	ND	ND	ND	ND
	08/29/01	160*	ND	ND	ND	ND	ND	ND
	12/13/01	97*	ND	ND	ND	ND	ND	ND
	04/12/02	ND	ND	ND	ND	ND	ND	NA
OW-1	12/28/99	7,700	3,400	11	ND	ND	2.6	ND
	03/15/00	5,300	700	1.7	ND	ND	ND	ND
	06/29/00	1,300*	140#	4	ND	ND	2.2	6.6
	09/14/00	5,800	180	ND	ND	ND	ND	ND
	12/12/00	230	110	3.4	ND	ND	ND	ND
	03/14/01	2,200	110	4	ND	ND	0.5	ND
	06/13/01	1,500	120	2.5	ND	ND	ND	ND
	08/29/01	1,200*	130#	ND	ND	ND	ND	ND
	12/12/01	3,100*	76#	ND	ND	ND	ND	ND
	04/11/02	3,600*	300#	ND	ND	ND	ND	NA
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16

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

WELL NO.	DATE	CONCENTRATIONS (µg/L)						
		TPHd	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
OW-2 Cont.	03/15/00	1,100	350	24	ND	ND	ND	9.3
	06/29/00	850*	160#	7.4	ND	ND	ND	13
	09/14/00	6,300	590	26	0.79	ND	1.7	17
	12/12/00	320	210	6.6	ND	ND	ND	7.4
	03/14/01	960	320	5.6	ND	ND	ND	ND
	06/13/01	900	250	2.9	ND	ND	ND	10
	08/29/01	1,400*	270#	5.3	ND	ND	ND	ND
	12/12/01	4,100*	280#	14	ND	ND	ND	11
	04/11/02	4,100*	820#	6.4	ND	ND	ND	NA

Notes:

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

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

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

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
	03/14/00	7.29	1.12	-23
	06/28/00	8.26	0.55	-248
	09/14/00	6.92	0.36	-316
	12/11/00	7.05	1.34	-55
	03/14/01	7.07	1.24	-66
	06/13/01	7.05	1.20	-109
	08/29/01	7.78	NM	-63
	12/12/01	6.93	1.28	-4
	04/12/02	6.72	0.37	-56
MW-2	12/28/99	7.94	0.96	-38
	03/15/00	7.28	1.43	-255
	06/28/00	7.52	0.89	-221
	09/14/00	7.44	0.61	-310
	12/11/00	7.28	1.96	24
	03/14/01	7.34	1.46	11
	06/13/01	7.07	0.95	-12
	08/29/01	7.24	NM	70
	12/12/01	7.13	0.88	13
	04/11/02	7.25	0.66	126
MW-3	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	NM	NM	NM
	06/13/01	NM	NM	NM
	08/29/01	NM	NM	NM
	12/13/01	NM	NM	NM
	04/11/02	NM	NM	NM
MW-4	12/28/99	7.38	0.80	-201
	03/14/00	6.97	2.11	35
	06/28/00	6.87	3.57	-34
	09/14/00	7.23	1.06	16
	12/11/00	6.99	2.27	74
	03/14/01	6.81	1.28	-91
	06/13/01	6.97	0.97	-30
	08/29/01	7.45	NM	104
	12/13/01	6.88	0.34	199
	04/12/02	6.77	0.95	12
MW-5	12/28/99	7.55	1.14	-118
	03/14/00	NM	NM	NM
	06/28/00	7.57	1.79	-103
	09/14/00	NM	NM	NM
	12/11/00	7.28	4.14	-11
	03/14/01	NM	NM	NM
	06/13/01	7.04	3.61	-44
	08/29/01	NM	NM	NM
	12/13/01	7.05	3.26	52
	04/11/02	7.04	2.28	-524

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

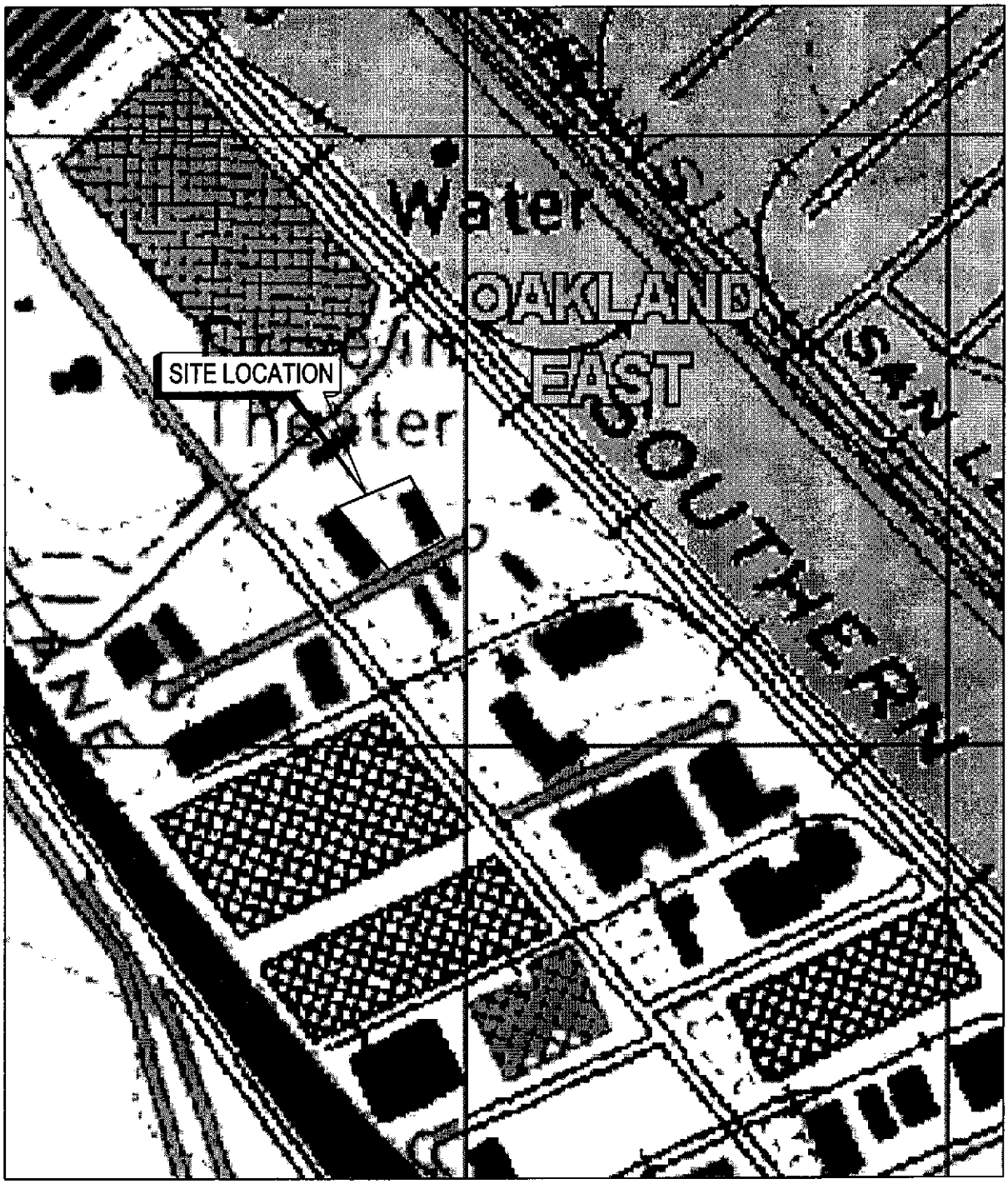
WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-6	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	NM	NM	NM
	06/13/01	NM	NM	NM
	08/29/01	NM	NM	NM
	12/13/01	NM	NM	NM
	04/11/02	NM	NM	NM
MW-7	12/28/99	7.94	1.30	-58
	03/14/00	7.23	1.05	-260
	06/28/00	7.18	5.76	-164
	09/14/00	7.06	0.65	-306
	12/12/00	7.02	1.25	-70
	03/14/01	7.10	0.94	-6
	06/13/01	7.03	1.77	-94
	08/29/01	7.34	NM	58
	12/12/01	7.09	0.98	47
	04/12/02	6.60	0.71	0
MW-8	12/28/99	7.79	0.42	-136
	03/14/00	7.05	1.53	-27
	06/28/00	8.86	1.87	-77
	09/14/00	7.32	1.07	-166
	12/12/00	7.05	1.16	-61
	03/14/01	7.21	2.55	16
	06/13/01	7.10	2.43	-21
	08/29/01	7.52	NM	9
	12/13/01	7.15	1.55	12
	04/12/02	6.58	1.83	-10
OW-1	12/28/99	7.67	0.99	-89
	03/15/00	7.31	1.16	-55
	06/29/00	6.34	3.29	-48
	09/14/00	7.02	0.98	-115
	12/12/00	6.94	1.98	-5
	03/14/01	7.04	2.89	-5
	06/13/01	6.76	1.11	-58
	08/29/01	7.04	NM	-39
	12/12/01	6.83	1.17	-46
	04/11/02	7.19	0.75	-31
OW-2	12/28/99	7.69	1.79	-58
	03/15/00	7.25	0.99	-35
	06/29/00	6.44	2.39	-66
	09/14/00	7.21	1.33	-89
	12/12/00	6.90	1.44	-76
	03/14/01	7.16	2.68	-54

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

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
OW-2 Cont.	06/13/01	6.97	1.15	-92
	08/29/01	7.16	NM	-93
	12/12/01	6.81	1.36	-61
	04/11/02	7.08	0.89	-44

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)

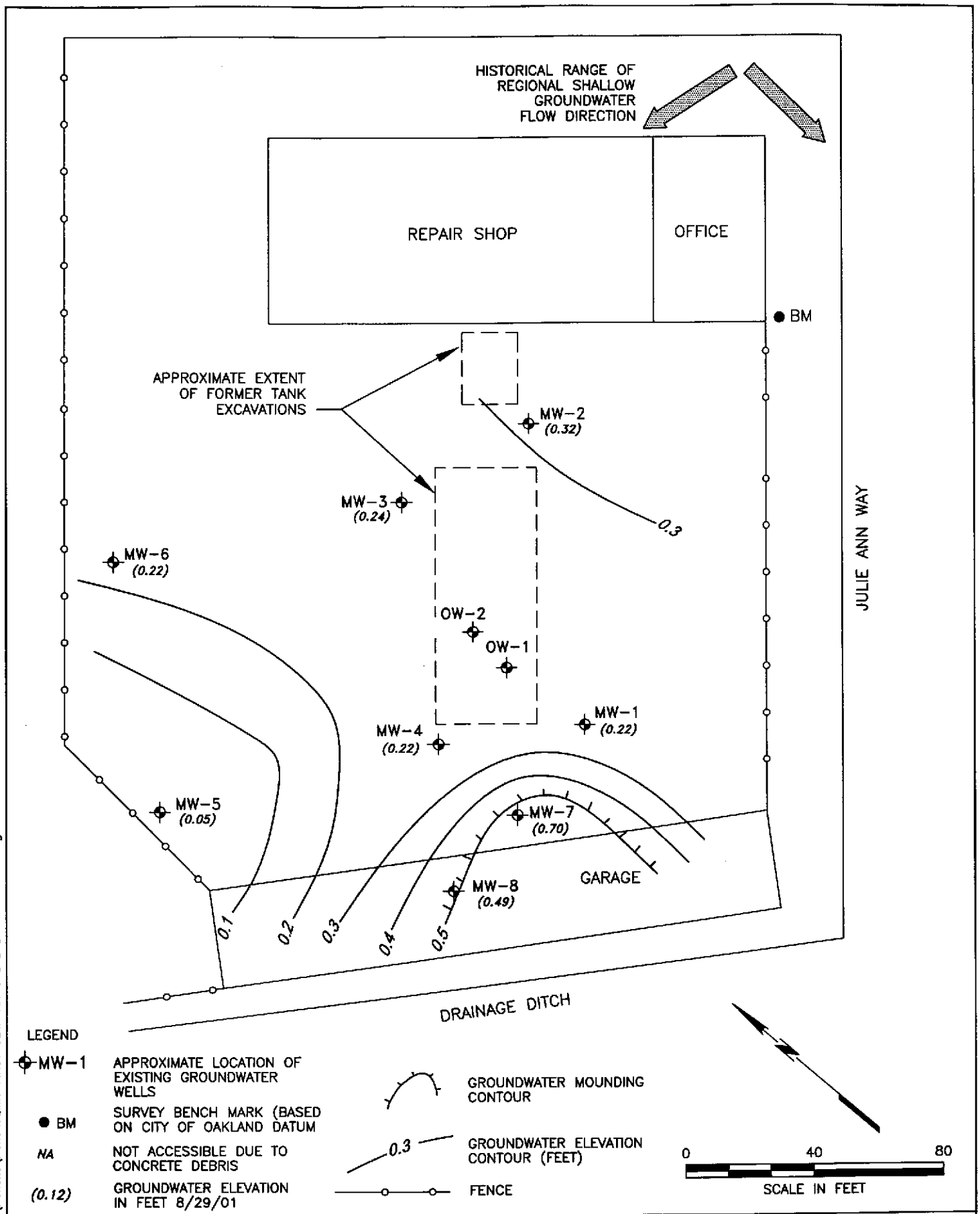
0 300 600
SCALE IN FEET

SECOR
International Incorporated

DRAWN	GEL
APPR	AEM
DATE	12 DECEMBER 00
JOB NO.	140T.07701.00.0002

FIGURE 1
FORMER PENSKE TRUCKING COMPANY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA
SITE LOCATION MAP
1ST SEMI ANNUAL MONITORING EVENT, 2002

20020702.12292147 E:\Penske\PenskeQMR-FIRST SEMI-ANNUAL EVENT-FIGURE 2.dwg



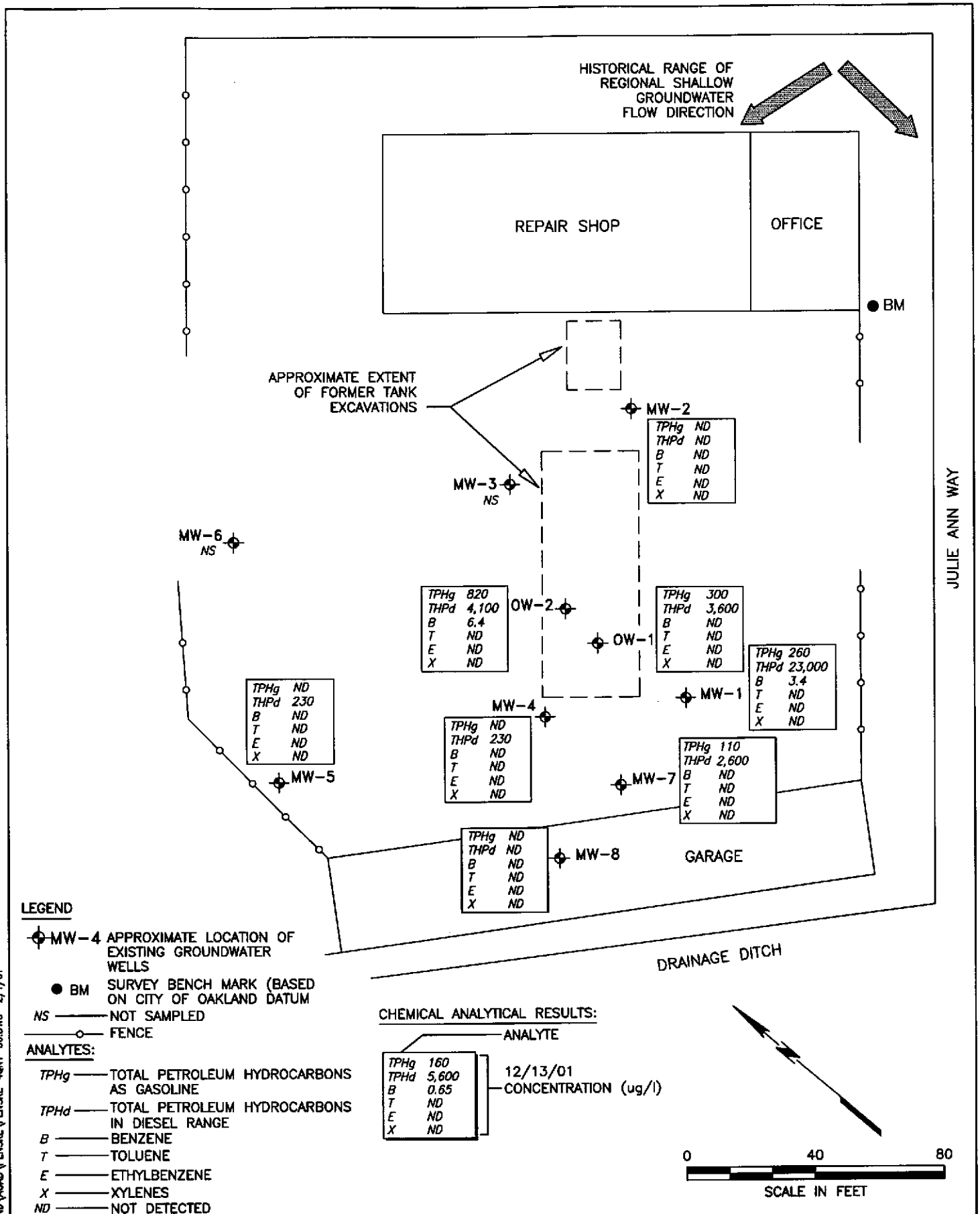
20020702.1222308 E:\Penske\PenskeQMR-FIRST SEMI-ANNUAL EVENT-FIGURE 2.dwg

SECOR
International Incorporated

DRAWN	RRR
APPR	AMcG
DATE	22 MAY 2002
JOB NO.	050T.50034.00.003

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

SHALLOW GROUNDWATER CONTOURS
1ST SEMI ANNUAL MONITORING EVENT, 2002



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

SECOR
International Incorporated

DRAWN	RRR
APPR	AMcG
DATE	22 MAY 2002
JOB NO.	014.07701.001

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

PETROLEUM HYDROCARBON CONCENTRATIONS 1ST QUARTER, 2002

APPENDIX A

Water Sample Field Data Sheets

HYDROLOGIC DATA SHEET

DATE: 4/11/02 PROJECT: _____ PROJECT #: _____

EVENT: Penske SAMPLER: Dylan Cardiff

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTP	PT	ELEV	
MW-1	9:25		5.21				
MW-2	9:32		5.88				
MW-3	9:40		5.86				
MW-4	9:02		4.96				
MW-5	9:49		4.66				
MW-6	9:46		5.15				
MW-7	9:29		4.68				
MW-8	9:55		4.95				
DW-1	9:21		4.52				
DW-2	9:10		4.83				

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

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: DC | WELL I.D.: MW-1

CLIENT NAME: | SAMPLED BY: DC | SAMPLE I.D.: MW-1

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/12/02 | START (2400hr) 12:05

DATE SAMPLED 4/12/02 | SAMPLE TIME (2400hr) 13:40

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

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

DEPTH TO BOTTOM (feet) = 33.90 | CASING VOLUME (gal) = 19.22

DEPTH TO WATER (feet) = 5.21 | CALCULATED PURGE (gal) = 57.67

WATER COLUMN HEIGHT (feet) = 28.69 | ACTUAL PURGE (gal) = 58

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	ORP (mV)
4/12/02	12:25	20	20.4	9199	6.66	Clear 3.4	0.33	-44
	12:38	39	20.7	7391	6.70	↓ —	—	-61
	12:51	58	20.9	6752	6.72	↓ —	—	-56
					post 4.0		.37	
							Fe^{2+} 1.4	

80% RECHARGE: X YES ___ NO | ANALYSES: TPHd, TPHg, BTEX

ODOR: Diesel | SAMPLE VESSEL / PRESERVATIVE: 3 Voas - 1 Amber

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: good

COMMENTS: clear with some tiny black flakes in water - in sample some pieces up to 1 inch long - dark grey & whitish

SIGNATURE: Bla Condiff

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: DC | WELL I.D.: MW-2

CLIENT NAME: | SAMPLED BY: DC | SAMPLE I.D.: MW-2

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/11/02 | START (2400hr) 10:12

DATE SAMPLED 4/12/02 | SAMPLE TIME (2400hr) 10:30 (4/12/02)

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

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

DEPTH TO BOTTOM (feet) = 29.5 | CASING VOLUME (gal) = 15.83

DEPTH TO WATER (feet) = 5.88 | CALCULATED PURGE (gal) = 47.48

WATER COLUMN HEIGHT (feet) = 23.62 | ACTUAL PURGE (gal) = 50.00

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	Fe(II) (ppm)	ORP (mV)
4/11	10:48	16	20.8	5388	6.81	Black —	—	—	164
	10:55	32	20.7	5424	7.16	Clear —	—	—	152
	11:08	50	20.9	5440	7.25	Clear —	—	—	126
					post purge 6.9		.66		
							Fe2+	0.4	

no pre purge DO

80% RECHARGE: X YES ___ NO | ANALYSES: TPH-d, TPH-g, BTEX, MTBE

ODOR: none | SAMPLE VESSEL / PRESERVATIVE: 3 VOAs - 1 Amber

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: good

COMMENTS:

SIGNATURE: Bja Cundiff

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: DC | WELL I.D.: MW-4

CLIENT NAME: | SAMPLED BY: DC | SAMPLE I.D.: MW-4

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/12/02 | START (2400hr) 9:45

DATE SAMPLED 4/12/02 | SAMPLE TIME (2400hr) 12:30

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

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

DEPTH TO BOTTOM (feet) = 27.15 | CASING VOLUME (gal) = 14.87

DEPTH TO WATER (feet) = 4.96 | CALCULATED PURGE (gal) = 44.60

WATER COLUMN HEIGHT (feet) = 22.19 | ACTUAL PURGE (gal) = 45

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	Fe(II) (ppm)	ORP (mV)
4/12/02	10:00	15	19.7	~~8035~~	6.65	clear	—	—	~~-240~~
	10:16	30	20.9	11.44 m/s	6.73	↓	—	—	-45
	10:44	45	21.1	16.18 m/s	6.77	↓	—	—	12
					post	10.2	0.95		
							Fe^{2+}	0	

NO pre purge DO

80% RECHARGE: X YES __ NO | ANALYSES: TPHd, TPHg, BTEX

ODOR: smells like diesel | SAMPLE VESSEL / PRESERVATIVE: 3 VOAs - 1 Amber

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: good

COMMENTS:

some small black specks in water

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: DC | WELL I.D.: MW-5

CLIENT NAME: | SAMPLED BY: DC | SAMPLE I.D.: MW-5

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/11/02 | START (2400hr) 11:12

DATE SAMPLED 4/11/02 | SAMPLE TIME (2400hr) 15:50

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

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

DEPTH TO BOTTOM (feet) = 31.20 | CASING VOLUME (gal) = 17.78

DEPTH TO WATER (feet) = 4.66 | CALCULATED PURGE (gal) = 53.35

WATER COLUMN HEIGHT (feet) = 26.54 | ACTUAL PURGE (gal) = 55.00

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	Fe(II) (ppm)	ORP (mV)
4/11	11:25	19	19.2	6.792	6.96	Red-Yellow	—	—	-512
	11:35	38	21.6	14.58 mS	6.86	lt Yellow	—	—	-529
	11:45	55	22.6	19.35 mS	7.04	lt Yellow	—	—	-524
					post purge	24.2	2.28		
							Fe^{2+}	0.88	

pre purge DO = 19.5 % 1.88 mg/L

80% RECHARGE: X YES ___ NO | ANALYSES: TPHd, TPHg, BTEX, [redacted]

ODOR: none | SAMPLE VESSEL / PRESERVATIVE: 3 VOAs - 1 Ambers

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)
✓ Bailer (___ PVC or ✓ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

WELL INTEGRITY: good

COMMENTS:

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: DC | WELL I.D.: MW-7

CLIENT NAME: | SAMPLED BY: DC | SAMPLE I.D.: MW-7

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/12/02 | START (2400hr) 11:27

DATE SAMPLED 4/12/02 | SAMPLE TIME (2400hr) 13:15

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) = 28.4 | CASING VOLUME (gal) = 15.89

DEPTH TO WATER (feet) = 4.68 | CALCULATED PURGE (gal) = 47.68

WATER COLUMN HEIGHT (feet) = 23.72 | ACTUAL PURGE (gal) = 48

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	Fe(II) (ppm)	ORP (mV)
4/12/02	11:35	16	19.7	6871	6.64	6.3	0.61	—	-6
	11:42	32	19.8	6824	6.58	Clear —	—	—	-2
	11:55	48	19.8	6742	6.60	↓ —	—	—	~~-55~~
					post	7.4	0.71		-0
							Fe2+	0	

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

ODOR: none | SAMPLE VESSEL / PRESERVATIVE: 3 Voas - 1 Amber

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: good

COMMENTS: tiny black flakes in water

SIGNATURE: Blair Condiff

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: X | WELL I.D.: MW-8

CLIENT NAME: | SAMPLED BY: X | SAMPLE I.D.: MW-8

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/12/02 | START (2400hr) 10:55

DATE SAMPLED 4/12/02 | SAMPLE TIME (2400hr) 12:55

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) = 26.0 | CASING VOLUME (gal) = 14.10

DEPTH TO WATER (feet) = 4.95 | CALCULATED PURGE (gal) = 42.31

WATER COLUMN HEIGHT (feet) = 21.05 | ACTUAL PURGE (gal) = 45

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	ORP (mV)
4/12/02	11:05	15	18.9	7465	6.83	Hazy 10.2	0.99	10
	11:14	30	19.5	7516	6.61	↓ —	—	0
	11:22	45	19.9	7194	6.58	cloudy grey —	—	-10
					lost	19.0	1.83 Fe2+	
							0	

80% RECHARGE: X YES ___ NO | ANALYSES: TPHd, TPHg, BTEX

ODOR: none | SAMPLE VESSEL / PRESERVATIVE: 3 VOAs - 1 Amber

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: good

COMMENTS:

SIGNATURE: Ben Cardiff

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: **PURGED BY:** [illegible] **WELL I.D.:** OW-1

CLIENT NAME: **SAMPLED BY:** [illegible] **SAMPLE I.D.:** OW-1

LOCATION: **WHAT QA SAMPLES?:** none

DATE PURGED 4/11/02 **START (2400hr)** 14:03

DATE SAMPLED 4/11/02 **SAMPLE TIME (2400hr)** 14:45

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

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

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

DEPTH TO BOTTOM (feet) = 14.20 **CASING VOLUME (gal) =** 6.49

DEPTH TO WATER (feet) = 4.52 **CALCULATED PURGE (gal) =** 19.46

WATER COLUMN HEIGHT (feet) = 9.68 **ACTUAL PURGE (gal) =** 20.00

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	(ppm)	Fe(II) (ppm)	ORP (mV)
4/11	14:12	7	18.4	2973	7.32 pre	14.5.2	0.5	–	-51.7
	14:27	14	17.7	2975	7.27	yellow	–	–	-25
	14:33	20	17.5	2962	7.19	↓	–	–	-31
					post	7.8	0.75		
							Fe^{2+}	3.0	

rusty specks in water

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

ODOR: smells like bay **SAMPLE VESSEL / PRESERVATIVE:** 3 VOAs - 1 Amber

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

WELL INTEGRITY: good

COMMENTS:

sheen in bucket

SIGNATURE: [signature]

Page 1 of 1

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: | PURGED BY: DC | WELL I.D.: DW-2

CLIENT NAME: | SAMPLED BY: DC | SAMPLE I.D.: DW-2

LOCATION: | WHAT QA SAMPLES?: none

DATE PURGED 4/11/02 | START (2400hr) 14:48

DATE SAMPLED 4/11/02 | SAMPLE TIME (2400hr) 15:05

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) = 14.15 | CASING VOLUME (gal) = 6.24

DEPTH TO WATER (feet) = 4.83 | CALCULATED PURGE (gal) = 18.73

WATER COLUMN HEIGHT (feet) = 9.32 | ACTUAL PURGE (gal) = ____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	Dissolved Oxygen (%)	Fe(II) (ppm)	ORP (mV)
4/11	14:48	6.5	18.6	2977	7.17	pre 4.8	0.45	-45
	14:53	13	18.3	2941	7.11	—	—	-53
	15:00	19	18.4	2933	7.08	—	—	-44
					post	9.4	0.89	
							Fe^{2+} 3.8	

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

ODOR: smelly | SAMPLE VESSEL / PRESERVATIVE: 3 VOAs 1 Amber

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

WELL INTEGRITY: good

COMMENTS: sheen in bucket

SIGNATURE: [signature]

APPENDIX B

Laboratory Analytical Reports and Chain-of-Custody Records

Submission #: 2002-04-0209

Date: April 18, 2002

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

SECOR- Lafayette
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321

Attn: Angus McGrath

Project: 14.07701.0020
Former Penske Trucking

Attached is our report for your samples received on Thursday April 11, 2002
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 May 26, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@chromalab.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

Submission #: 2002-04-0209

Diesel

SEVERN TRENT SERVICES

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1220 Quarry Lane
Pleasanton, CA 94566

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

CA DHS ELAP#1094

SECOR- Lafayette	✉ 57 Lafayette Circle, 2nd Floor Lafayette, CA 94549-4321
Attn: Angus McGrath	Phone: (925) 299-9300 Fax: (925) 299-9302
14.07701.0020	Project: Former Penske Trucking

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	04/11/2002 14:45	1
OW-2	Water	04/11/2002 15:05	2
MW-5	Water	04/11/2002 15:50	3

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

Diesel

SECOR- Lafayette
Attn: Angus McGrath

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

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1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
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www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**OW-1**	Lab Sample ID:	2002-04-0209-001
Project:	14.07701.0020 Former Penske Trucking	Received:	04/11/2002 16:45
		Extracted:	04/11/2002 10:58
Sampled:	04/11/2002 14:45	QC-Batch:	2002/04/11-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3600	50	ug/L	1.00	04/12/2002 19:56	ndp
Surrogate(s)						
o-Terphenyl	92.5	60-130	%	1.00	04/12/2002 19:56	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

Diesel

SECOR- Lafayette
Attn: Angus McGrath

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

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Pleasanton, CA 94566

Tel 925 484 1919
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CA DHS ELAP#1094

Sample ID:	**OW-2**	Lab Sample ID:	2002-04-0209-002
Project:	14.07701.0020 Former Penske Trucking	Received:	04/11/2002 16:45
		Extracted:	04/11/2002 10:58
Sampled:	04/11/2002 15:05	QC-Batch:	2002/04/11-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4100	50	ug/L	1.00	04/12/2002 18:04	ndp
Surrogate(s)						
o-Terphenyl	93.6	60-130	%	1.00	04/12/2002 18:04	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

Diesel

SECOR- Lafayette
Attn: Angus McGrath

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

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CA DHS ELAP#1094

Sample ID:	**MW-5**	Lab Sample ID:	2002-04-0209-003
Project:	14.07701.0020 Former Penske Trucking	Received:	04/11/2002 16:45
		Extracted:	04/11/2002 10:58
Sampled:	04/11/2002 15:50	QC-Batch:	2002/04/11-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	230	50	ug/L	1.00	04/12/2002 17:27	ndp
Surrogate(s)						
o-Terphenyl	95.7	60-130	%	1.00	04/12/2002 17:27	

Submission #: 2002-04-0209

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CA DHS ELAP#1094

Diesel

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015 M

Method Blank | **Water** | **QC Batch # 2002/04/11-03.10**

MB: 2002/04/11-03.10-001 | Date Extracted: 04/11/2002 10:58

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	04/12/2002 09:23	
Surrogate(s)					
o-Terphenyl	88.1	60-130	%	04/12/2002 09:23	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

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www.chromalab.com

CA DHS ELAP#1094

Diesel

Batch QC report

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

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/11-03.10**

LCS: 2002/04/11-03.10-002 Extracted: 04/11/2002 10:58 Analyzed: 04/12/2002 08:08

LCSD: 2002/04/11-03.10-003 Extracted: 04/11/2002 10:58 Analyzed: 04/12/2002 08:45

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	1130	1070	1250	1250	90.4	85.6	5.5	60-130	25		
Surrogate(s)											
o-Terphenyl	20.6	17.8	20.0	20.0	103.0	89.2		60-130	0		

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CA DHS ELAP#1094

Diesel

Legend & Notes

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

Analyte Flags

ndp
Hydrocarbon reported does not match the pattern of our Diesel standard

Submission #: 2002-04-0209

Gas/BTEX by 8015M/8021

SEVERN TRENT SERVICES

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www.chromalab.com

CA DHS ELAP#1094

SECOR- Lafayette	✉ 57 Lafayette Circle, 2nd Floor Lafayette, CA 94549-4321
Attn: Angus McGrath	Phone: (925) 299-9300 Fax: (925) 299-9302
14.07701.0020	Project: Former Penske Trucking

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	04/11/2002 14:45	1
OW-2	Water	04/11/2002 15:05	2
MW-5	Water	04/11/2002 15:50	3

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M 8021B

Prep Method: 5030

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Pleasanton, CA 94566

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Fax 925 484 1096
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www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**OW-1**	Lab Sample ID:	2002-04-0209-001
Project:	14.07701.0020 Former Penske Trucking	Received:	04/11/2002 16:45
		Extracted:	04/15/2002 12:22
Sampled:	04/11/2002 14:45	QC-Batch:	2002/04/15-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	300	50	ug/L	1.00	04/15/2002 12:22	g
Benzene	ND	0.50	ug/L	1.00	04/15/2002 12:22	
Toluene	ND	0.50	ug/L	1.00	04/15/2002 12:22	
Ethyl benzene	ND	0.50	ug/L	1.00	04/15/2002 12:22	
Xylene(s)	ND	0.50	ug/L	1.00	04/15/2002 12:22	
Surrogate(s)						
Trifluorotoluene	87.4	58-124	%	1.00	04/15/2002 12:22	
4-Bromofluorobenzene-FID	103.1	50-150	%	1.00	04/15/2002 12:22	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

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Pleasanton, CA 94566

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CA DHS ELAP#1094

Sample ID:	**OW-2**	Lab Sample ID:	2002-04-0209-002
Project:	14.07701.0020 Former Penske Trucking	Received:	04/11/2002 16:45
		Extracted:	04/15/2002 12:57
Sampled:	04/11/2002 15:05	QC-Batch:	2002/04/15-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	820	50	ug/L	1.00	04/15/2002 12:57	g
Benzene	6.4	0.50	ug/L	1.00	04/15/2002 12:57	
Toluene	ND	0.50	ug/L	1.00	04/15/2002 12:57	
Ethyl benzene	ND	0.50	ug/L	1.00	04/15/2002 12:57	
Xylene(s)	ND	0.50	ug/L	1.00	04/15/2002 12:57	
Surrogate(s)						
Trifluorotoluene	88.1	58-124	%	1.00	04/15/2002 12:57	
4-Bromofluorobenzene-FID	122.9	50-150	%	1.00	04/15/2002 12:57	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

Sample ID:	**MW-5**	Lab Sample ID:	2002-04-0209-003
Project:	14.07701.0020 Former Penske Trucking	Received:	04/11/2002 16:45
		Extracted:	04/15/2002 13:32
Sampled:	04/11/2002 15:50	QC-Batch:	2002/04/15-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/15/2002 13:32	
Benzene	ND	0.50	ug/L	1.00	04/15/2002 13:32	
Toluene	ND	0.50	ug/L	1.00	04/15/2002 13:32	
Ethyl benzene	ND	0.50	ug/L	1.00	04/15/2002 13:32	
Xylene(s)	ND	0.50	ug/L	1.00	04/15/2002 13:32	
Surrogate(s)						
Trifluorotoluene	80.8	58-124	%	1.00	04/15/2002 13:32	
4-Bromofluorobenzene-FID	97.2	50-150	%	1.00	04/15/2002 13:32	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank **Water** **QC Batch # 2002/04/15-01.02**

MB: 2002/04/15-01.02-003 Date Extracted: 04/15/2002 08:46

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/15/2002 08:46	
Benzene	ND	0.5	ug/L	04/15/2002 08:46	
Toluene	ND	0.5	ug/L	04/15/2002 08:46	
Ethyl benzene	ND	0.5	ug/L	04/15/2002 08:46	
Xylene(s)	ND	0.5	ug/L	04/15/2002 08:46	
Surrogate(s)					
Trifluorotoluene	86.1	58-124	%	04/15/2002 08:46	
4-Bromofluorobenzene-FID	98.0	50-150	%	04/15/2002 08:46	

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/15-01.02**

LCS: 2002/04/15-01.02-004 Extracted: 04/15/2002 09:21 Analyzed: 04/15/2002 09:21

LCSD: 2002/04/15-01.02-005 Extracted: 04/15/2002 09:56 Analyzed: 04/15/2002 09:56

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	90.5	88.6	100.0	100.0	90.5	88.6	2.1	77-123	20		
Toluene	90.2	89.1	100.0	100.0	90.2	89.1	1.2	78-122	20		
Ethyl benzene	93.5	93.1	100.0	100.0	93.5	93.1	0.4	70-130	20		
Xylene(s)	277	277	300	300	92.3	92.3	0.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	433	411	500	500	86.6	82.2		58-124			

Submission #: 2002-04-0209

SEVERN TRENT SERVICES

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Tel 925 484 1919
Fax 925 484 1096
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www.chromalab.com

CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/15-01.02**

LCS: 2002/04/15-01.02-006 Extracted: 04/15/2002 10:31 Analyzed: 04/15/2002 10:31

LCSD: 2002/04/15-01.02-007 Extracted: 04/15/2002 11:05 Analyzed: 04/15/2002 11:05

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	530	521	500	500	106.0	104.2	1.7	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	499	512	500	500	99.8	102.4		50-150			

Submission #: 2002-04-0209

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Legend & Notes

Test Method: 8021B
8015M

Prep Method: 5030

Analyte Flags

g

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

2002-04-0209 Chain-of Custody Number:

SECOR Chain-of Custody Record

65780

Field Office: 05 - San Francisco
Address: 57 LaFayette Circle 2nd Floor
LaFayette CA

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

Job Name: Former Penske Trucking
Location: 725 Julie Ann Way
Oakland CA

Project # 14.07701 Task # 0020
Project Manager Angus McGrath
Laboratory Chromalab
Turnaround Time Standard

Sampler's Name Dylan Cardiff
Sampler's Signature

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
OW-1	4/11	14:45	H_2O		X	X													4
OW-2	4/11	15:05	H_2O		X	X													4
MW-5	4/11	15:50	H_2O		X	X													4

Special Instructions/Comments:

Relinquished by:
Sign Dylan Cardiff
Print Dylan Cardiff
Company Secor
Time 16:00 Date 4/11/02

Received by: SAM SENDEE
Sign
Print
Company DYNAMEX
Time 4:00P Date 4-11-02

Relinquished by SAM SENDEE
Sign
Print
Company DYNAMEX
Time 4:45P Date 4-11-02

Received by:
Sign D. Harrington
Print D. Harrington
Company SIL-SF
Time 1645 Date 4/11/02

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold: 3.0 °C
Conforms to record:

Client:
Client Contact:
Client Phone:

SECOR CUSTREC Rev. 2/99

Date: 4/11/02 Page 1 of 1

Submission #: 2002-04-0256

Date: April 23, 2002

SEVERN TRENT SERVICES

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www.chromalab.com
CA DHS ELAP#1094

SECOR- Lafayette
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321

Attn: Angus McGrath

Attached is our report for your samples received on Monday April 15, 2002
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 May 30, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@chromalab.com

Sincerely,

Afsaneh Salimpour
Project Manager

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Diesel with Silica Gel Clean-up

STL San Francisco
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CA DHS ELAP#1094

SECOR- Lafayette	✉ 57 Lafayette Circle, 2nd Floor Lafayette, CA 94549-4321
Attn: Angus McGrath	Phone: (925) 299-9300 Fax: (925) 299-9302
014.07701.002	Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	04/12/2002 10:30	1
MW-4	Water	04/12/2002 12:30	2
MW-8	Water	04/12/2002 12:55	3
MW-7	Water	04/12/2002 13:15	4
MW-1	Water	04/12/2002 13:40	5

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Diesel with Silica Gel Clean-up

SECOR- Lafayette
Attn: Angus McGrath

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

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CA DHS ELAP#1094

Sample ID:	**MW-2**	Lab Sample ID:	2002-04-0256-001
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/16/2002 06:54
Sampled:	04/12/2002 10:30	QC-Batch:	2002/04/16-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	04/17/2002 07:54	
Surrogate(s)						
o-Terphenyl	81.7	60-130	%	1.00	04/17/2002 07:54	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Diesel with Silica Gel Clean-up

SECOR- Lafayette
Attn: Angus McGrath

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

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CA DHS ELAP#1094

Sample ID:	**MW-4**	Lab Sample ID:	2002-04-0256-002
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/16/2002 06:54
Sampled:	04/12/2002 12:30	QC-Batch:	2002/04/16-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	230	50	ug/L	1.00	04/17/2002 08:32	ndp
Surrogate(s)						
o-Terphenyl	77.7	60-130	%	1.00	04/17/2002 08:32	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Diesel with Silica Gel Clean-up

SECOR- Lafayette
Attn: Angus McGrath

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

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CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2002-04-0256-003
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/16/2002 06:54
Sampled:	04/12/2002 12:55	QC-Batch:	2002/04/16-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	04/17/2002 09:10	
Surrogate(s)						
o-Terphenyl	81.5	60-130	%	1.00	04/17/2002 09:10	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Diesel with Silica Gel Clean-up

SECOR- Lafayette
Attn: Angus McGrath

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

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CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2002-04-0256-004
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/16/2002 06:54
Sampled:	04/12/2002 13:15	QC-Batch:	2002/04/16-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2600	50	ug/L	1.00	04/17/2002 07:27	ndp
Surrogate(s)						
o-Terphenyl	113.0	60-130	%	1.00	04/17/2002 07:27	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Diesel with Silica Gel Clean-up

SECOR- Lafayette
Attn: Angus McGrath

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

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CA DHS ELAP#1094

Sample ID:	**MW-1**	Lab Sample ID:	2002-04-0256-005
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/16/2002 06:54
Sampled:	04/12/2002 13:40	QC-Batch:	2002/04/16-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	23000	500	ug/L	10.00	04/18/2002 23:23	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	04/18/2002 23:23	sd

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Diesel with Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015 M

Method Blank | **Water** | **QC Batch # 2002/04/16-01.10**

MB: 2002/04/16-01.10-001

Date Extracted: 04/16/2002 06:54

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	04/17/2002 07:16	
Surrogate(s)					
o-Terphenyl	76.0	60-130	%	04/17/2002 07:16	

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Diesel with Silica Gel Clean-up

Batch QC report

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

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/16-01.10**

LCS: 2002/04/16-01.10-002 Extracted: 04/16/2002 06:54 Analyzed: 04/17/2002 06:01

LCSD: 2002/04/16-01.10-003 Extracted: 04/16/2002 06:54 Analyzed: 04/17/2002 06:39

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	785	851	1250	1250	62.8	68.1	8.1	60-130	25		
Surrogate(s)											
o-Terphenyl	15.1	15.8	20.0	20.0	75.7	79.2		60-130	0		

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CA DHS ELAP#1094

Diesel with Silica Gel Clean-up

Legend & Notes

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

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Analyte Flags

sd

Surrogate recovery not reportable due to required dilution.

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

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CA DHS ELAP#1094

SECOR- Lafayette	✉ 57 Lafayette Circle, 2nd Floor Lafayette, CA 94549-4321
Attn: Angus McGrath	Phone: (925) 299-9300 Fax: (925) 299-9302
014.07701.002	Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	04/12/2002 10:30	1
MW-4	Water	04/12/2002 12:30	2
MW-8	Water	04/12/2002 12:55	3
MW-7	Water	04/12/2002 13:15	4
MW-1	Water	04/12/2002 13:40	5

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M 8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID: **MW-2**
Project: 014.07701.002
Sampled: 04/12/2002 10:30
Matrix: Water

Lab Sample ID: 2002-04-0256-001
Received: 04/15/2002 16:53
Extracted: 04/18/2002 22:48
QC-Batch: 2002/04/18-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/18/2002 22:48	
Benzene	ND	0.50	ug/L	1.00	04/18/2002 22:48	
Toluene	ND	0.50	ug/L	1.00	04/18/2002 22:48	
Ethyl benzene	ND	0.50	ug/L	1.00	04/18/2002 22:48	
Xylene(s)	ND	0.50	ug/L	1.00	04/18/2002 22:48	
Surrogate(s)						
Trifluorotoluene	101.7	58-124	%	1.00	04/18/2002 22:48	
4-Bromofluorobenzene-FID	86.0	50-150	%	1.00	04/18/2002 22:48	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-4**	Lab Sample ID:	2002-04-0256-002
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/22/2002 21:19
Sampled:	04/12/2002 12:30	QC-Batch:	2002/04/22-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/22/2002 21:19	
Benzene	ND	0.50	ug/L	1.00	04/22/2002 21:19	
Toluene	ND	0.50	ug/L	1.00	04/22/2002 21:19	
Ethyl benzene	ND	0.50	ug/L	1.00	04/22/2002 21:19	
Xylene(s)	ND	0.50	ug/L	1.00	04/22/2002 21:19	
Surrogate(s)						
Trifluorotoluene	79.1	58-124	%	1.00	04/22/2002 21:19	
4-Bromofluorobenzene-FID	92.4	50-150	%	1.00	04/22/2002 21:19	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2002-04-0256-003
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/22/2002 21:54
Sampled:	04/12/2002 12:55	QC-Batch:	2002/04/22-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/22/2002 21:54	
Benzene	ND	0.50	ug/L	1.00	04/22/2002 21:54	
Toluene	ND	0.50	ug/L	1.00	04/22/2002 21:54	
Ethyl benzene	ND	0.50	ug/L	1.00	04/22/2002 21:54	
Xylene(s)	ND	0.50	ug/L	1.00	04/22/2002 21:54	
Surrogate(s)						
Trifluorotoluene	83.3	58-124	%	1.00	04/22/2002 21:54	
4-Bromofluorobenzene-FID	91.6	50-150	%	1.00	04/22/2002 21:54	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2002-04-0256-004
Project:	014.07701.002	Received:	04/15/2002 16:53
		Extracted:	04/22/2002 22:28
Sampled:	04/12/2002 13:15	QC-Batch:	2002/04/22-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	110	50	ug/L	1.00	04/22/2002 22:28	g
Benzene	ND	0.50	ug/L	1.00	04/22/2002 22:28	
Toluene	ND	0.50	ug/L	1.00	04/22/2002 22:28	
Ethyl benzene	ND	0.50	ug/L	1.00	04/22/2002 22:28	
Xylene(s)	ND	0.50	ug/L	1.00	04/22/2002 22:28	
Surrogate(s)						
Trifluorotoluene	89.1	58-124	%	1.00	04/22/2002 22:28	
4-Bromofluorobenzene-FID	100.7	50-150	%	1.00	04/22/2002 22:28	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn: Angus McGrath

Test Method: 8015M
8021B

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID: **MW-1**
Project: 014.07701.002

Sampled: 04/12/2002 13:40
Matrix: Water

Lab Sample ID: 2002-04-0256-005
Received: 04/15/2002 16:53
Extracted: 04/19/2002 13:56
QC-Batch: 2002/04/19-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	260	50	ug/L	1.00	04/19/2002 13:56	g
Benzene	3.4	0.50	ug/L	1.00	04/19/2002 13:56	
Toluene	ND	0.50	ug/L	1.00	04/19/2002 13:56	
Ethyl benzene	ND	0.50	ug/L	1.00	04/19/2002 13:56	
Xylene(s)	ND	0.50	ug/L	1.00	04/19/2002 13:56	
Surrogate(s)						
Trifluorotoluene	119.1	58-124	%	1.00	04/19/2002 13:56	
4-Bromofluorobenzene-FID	96.3	50-150	%	1.00	04/19/2002 13:56	

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank **Water** **QC Batch # 2002/04/18-01.01**

MB: 2002/04/18-01.01-003 Date Extracted: 04/18/2002 08:33

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/18/2002 08:33	
Benzene	ND	0.5	ug/L	04/18/2002 08:33	
Toluene	ND	0.5	ug/L	04/18/2002 08:33	
Ethyl benzene	ND	0.5	ug/L	04/18/2002 08:33	
Xylene(s)	ND	0.5	ug/L	04/18/2002 08:33	
Surrogate(s)					
Trifluorotoluene	105.1	58-124	%	04/18/2002 08:33	
4-Bromofluorobenzene-FID	92.9	50-150	%	04/18/2002 08:33	

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank **Water** **QC Batch # 2002/04/19-01.01**

MB: 2002/04/19-01.01-005 Date Extracted: 04/19/2002 09:56

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/19/2002 09:56	
Benzene	ND	0.5	ug/L	04/19/2002 09:56	
Toluene	ND	0.5	ug/L	04/19/2002 09:56	
Ethyl benzene	ND	0.5	ug/L	04/19/2002 09:56	
Xylene(s)	ND	0.5	ug/L	04/19/2002 09:56	
Surrogate(s)					
Trifluorotoluene	108.1	58-124	%	04/19/2002 09:56	
4-Bromofluorobenzene-FID	95.1	50-150	%	04/19/2002 09:56	

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank **Water** **QC Batch # 2002/04/22-01.02**

MB: 2002/04/22-01.02-003 Date Extracted: 04/22/2002 08:19

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/22/2002 08:19	
Benzene	ND	0.5	ug/L	04/22/2002 08:19	
Toluene	ND	0.5	ug/L	04/22/2002 08:19	
Ethyl benzene	ND	0.5	ug/L	04/22/2002 08:19	
Xylene(s)	ND	0.5	ug/L	04/22/2002 08:19	
Surrogate(s)					
Trifluorotoluene	91.6	58-124	%	04/22/2002 08:19	
4-Bromofluorobenzene-FID	106.8	50-150	%	04/22/2002 08:19	

Submission #: 2002-04-0256

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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

CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/18-01.01**

LCS: 2002/04/18-01.01-004 Extracted: 04/18/2002 09:03 Analyzed: 04/18/2002 09:03

LCSD: 2002/04/18-01.01-005 Extracted: 04/18/2002 09:32 Analyzed: 04/18/2002 09:32

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	103	104	100.0	100.0	103.0	104.0	1.0	77-123	20		
Toluene	99.1	100	100.0	100.0	99.1	100.0	0.9	78-122	20		
Ethyl benzene	97.2	97.7	100.0	100.0	97.2	97.7	0.5	70-130	20		
Xylene(s)	291	294	300	300	97.0	98.0	1.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	545	557	500	500	109.0	111.4		58-124			

Submission #: 2002-04-0256

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Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/18-01.01**

LCS: 2002/04/18-01.01-006 Extracted: 04/18/2002 10:02 Analyzed: 04/18/2002 10:02

LCSD: 2002/04/18-01.01-007 Extracted: 04/18/2002 10:32 Analyzed: 04/18/2002 10:32

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	477	491	500	500	95.4	98.2	2.9	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	426	436	500	500	85.2	87.2		50-150			

Submission #: 2002-04-0256

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Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/19-01.01**

LCS: 2002/04/19-01.01-006 Extracted: 04/19/2002 10:34 Analyzed: 04/19/2002 10:34

LCSD: 2002/04/19-01.01-007 Extracted: 04/19/2002 11:03 Analyzed: 04/19/2002 11:03

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	106	107	100.0	100.0	106.0	107.0	0.9	77-123	20		
Toluene	103	103	100.0	100.0	103.0	103.0	0.0	78-122	20		
Ethyl benzene	102	101	100.0	100.0	102.0	101.0	1.0	70-130	20		
Xylene(s)	306	306	300	300	102.0	102.0	0.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	589	575	500	500	117.8	115.0		58-124			

Submission #: 2002-04-0256

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Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/19-01.01**

LCS: 2002/04/19-01.01-008 Extracted: 04/19/2002 11:33 Analyzed: 04/19/2002 11:33

LCSD: 2002/04/19-01.01-009 Extracted: 04/19/2002 12:03 Analyzed: 04/19/2002 12:03

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	501	504	500	500	100.2	100.8	0.6	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	439	448	500	500	87.8	89.6		50-150			

Submission #: 2002-04-0256

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Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/22-01.02**

LCS: 2002/04/22-01.02-006 Extracted: 04/22/2002 10:03 Analyzed: 04/22/2002 10:03

LCSD: 2002/04/22-01.02-007 Extracted: 04/22/2002 10:38 Analyzed: 04/22/2002 10:38

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	529	541	500	500	105.8	108.2	2.2	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	533	557	500	500	106.6	111.4		50-150			

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/04/22-01.02**

LCS: 2002/04/22-01.02-004 Extracted: 04/22/2002 08:53 Analyzed: 04/22/2002 08:53

LCSD: 2002/04/22-01.02-005 Extracted: 04/22/2002 09:28 Analyzed: 04/22/2002 09:28

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	92.6	88.6	100.0	100.0	92.6	88.6	4.4	77-123	20		
Toluene	92.8	89.5	100.0	100.0	92.8	89.5	3.6	78-122	20		
Ethyl benzene	95.7	93.1	100.0	100.0	95.7	93.1	2.8	70-130	20		
Xylene(s)	282	277	300	300	94.0	92.3	1.8	75-125	20		
Surrogate(s)											
Trifluorotoluene	471	440	500	500	94.2	88.0		58-124			

Submission #: 2002-04-0256

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CA DHS ELAP#1094

Gas/BTEX by 8015M/8021

Legend & Notes

Test Method: 8021B
8015M

Prep Method: 5030

Analyte Flags

g

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

Chain-of Custody Number: 65827

SECOR Chain-of Custody Record 2002-04-0256

Field Office: 05 - Lafayette
Address: 57 Lafayette Circle 2nd Floor
Lafayette CA

☐ Additional documents are attached, and are a part of this Record.
Job Name:
Location:

Project # 014.077D1 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/MTPH-G 8015 (modified)/8020	TPHd/MTPH-D 8015 (modified) with silica gel clean up	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
MW-2	4/12	10:30	H_2O		X	X													4
MW-4	↓	12:30	↓		X	X													4
MW-8		12:55			X	X													4
MW-7		13:15			X	X													4
MW-1	↓	13:40	↓		X	X													4

Special Instructions/Comments:

Silica gel clean up on TPHd. 3.2°C

Relinquished by:
Sign Dylan Cardiff
Print Dylan Cardiff
Company SECOR
Time 8:00 Date 4/15/02

Received by:
Sign
Print
Company STL-SF
Time 1045 Date 4/15/02

Relinquished by:
Sign
Print
Company STL-SF
Time 1653 Date 4/12/02

Received by:
Sign D. Harrington
Print D. Harrington
Company STL-SF
Time 1653 Date 4/15/02

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: 4/12/02 Page 1 of 1