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www.secor.com

57 Lafayette Circle, 2<sup>nd</sup> Floor  
Lafayette, CA 94549  
925-299-9300 TEL  
925-299-9302 FAX

January 15, 2003

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

✓ 120 354

**RE: SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT FOR 2002  
PENSKE TRUCK LEASING FACILITY  
725 JULIE ANN WAY  
OAKLAND, CALIFORNIA  
SECOR Project No. 05OT.50034.00**

Dear Mr. Chan:

SECOR International Incorporated (SECOR) is pleased to submit the Second Semiannual Groundwater Monitoring Report for 2002 presenting the results of groundwater monitoring and sampling conducted on December 5, 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 Environmental 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 December 5, 2002, SECOR sounded (MW-3, MW-5, and MW-6 were sounded only), purged, and sampled seven groundwater monitoring wells (MW-1, MW-2, MW-4, 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. Physical parameters were measured using a YSI 556 Multimeter. 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, presence of free product, and turbidity. Downhole DO measurements were obtained before and after purging each well. 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 field parameters, samples were collected from each well using a disposable polyvinyl chloride (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.

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Seven groundwater samples were analyzed for total petroleum hydrocarbons reported as gasoline (TPHg) and diesel (TPHd) by modified U.S. Environmental Protection Agency (EPA) Method 8015M, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020. TPHd samples were pre-treated with silica gel prior to analysis to remove all non-petroleum-based hydrocarbons in the diesel range. Samples from wells OW-1 and OW-2 were also analyzed for nitrate and sulfate using EPA Method 9056. Ferrous iron was measured in each groundwater sample at the time of sampling 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 December 5, 2002, groundwater elevation data is presented in Figure 2. The depth-to-water for the current sampling period ranged from 5.13 feet to 6.56 feet below the top of the PVC well casing in wells OW-1 and MW-2, respectively (top of casing elevations for well OW-1 is not available). Groundwater elevations ranged from -0.61 feet (MW-5) to 0.13 feet (MW-7) relative to mean sea level, based on the City of Oakland datum. Overall groundwater elevations decreased when compared to the April 2002 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. 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 6.81 to 7.01. Groundwater temperatures ranged from 18.46° to 19.82° Centigrade. Specific conductivity ranged from 2,334 to 14,524 millimhos per centimeter (mmhos/cm). DO ranged from 0.01 to 0.56 milligrams per liter (mg/L) and ORP ranged from -95 to 10 millivolts (mV). The pH, conductivity, and temperature are in the normal ranges for sites in this area. The negative ORP and low DO levels (less than 1 mg/L) are indicative of oxygen-depleting conditions, indicating that microbial activity may be occurring in the groundwater. The depletion of oxygen is most likely a result of the microbial degradation of hydrocarbons in groundwater. The oxygen-deficient conditions also indicate that microbial activity was not significantly impacted by Fenton's reagent treatments conducted by SECOR in September 2000.

A groundwater concentration map based on the December 5, 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 may also be a ferrous iron oxidation sheen, was reported on groundwater in well MW-1. TPHd concentrations ranged from 57 micrograms per liter ( $\mu\text{g/L}$ ) in well MW-2 to 17,000  $\mu\text{g/L}$  in well MW-1. TPHg concentrations ranged from non-detect (MW-2, MW-4, and MW-8) to 340  $\mu\text{g/L}$  (MW-1). Benzene concentrations ranged from non-detect (MW-2, MW-4, MW-7, MW-8, OW-1, and OW-2) to 2.2  $\mu\text{g/L}$  (MW-1). Toluene, ethylbenzene, and total xylenes were not detected in any

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of the wells sampled during this sampling event. Methyl tertiary butyl ether (MtBE) was reported at concentrations of 6.0, 5.7 and 5.6 µg/L in wells MW-1, MW-7, and OW-2, respectively.


Groundwater samples from wells OW-1 and OW-2 were analyzed for nitrate and sulfate by EPA Method 9056. Nitrate was not reported above the laboratory detection limit, and sulfate was reported at concentrations of 14 and 8.1 milligrams per liter (mg/L) in wells OW-1 and OW-2, respectively.

Overall, TPHd, TPHg, and BTEX concentrations have decreased significantly since Fenton's reagent treatment was implemented in wells MW-1, MW-4, and MW-7 in September 2000. Separate-phase free-product has been eliminated in all wells, and only a minor sheen is evident in well MW-1. Based on prior correspondence with the ACEHS, SECOR is recommending the site for "no further action" status.

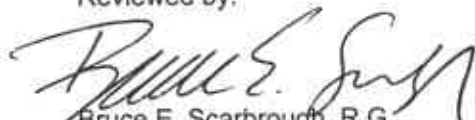
If you should have any questions regarding the results detailed in this report, please contact Richard G. Saut at (610) 775-6010 or Angus E. McGrath at (925) 299-9300.

Sincerely,  
**SECOR International Incorporated**

  
 for Neil Doran  
 Project 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, 2nd Semiannual Event, 2002
- Figure 3 – Petroleum Hydrocarbon Concentrations, 2nd 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) <sup>(a)</sup>	DTW (FEET)	CWTE (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		
12/05/02	5.85	-0.42		
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		
12/05/02	6.56	-0.36		
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		
12/05/02	6.55	-0.45		
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

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

WELL NO.	DATE	RE (FEET) <sup>1)</sup>	DTW (FEET)	CWTE (FEET)
MW-4 Cont.	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
	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
	12/05/02		5.68	-0.50
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		
12/05/02	5.32	-0.61		
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		
12/05/02	5.90	-0.53		
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

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

WELL NO.	DATE	RE (FEET) <sup>(a)</sup>	DTW (FEET)	CWTE (FEET)
MW-7 Cont.	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
	12/05/02		5.25	0.13
MW-8	02/20/97	5.44	5.10	0.34
	05/28/97		5.68	-0.24
	09/19/97		5.95	-0.51
	11/17/97		5.91	-0.47
	02/27/98		4.50	0.94
	05/27/98		6.10	-0.66
	10/01/98		6.13	-0.69
	12/22/98		6.10	-0.66
	12/28/99		6.30	-0.86
	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		
12/05/02	5.42	0.02		
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
12/05/02	5.13	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
12/05/02	5.42	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 <sup>(a)</sup>	260	61	42	96	NS
	05/28/97	28,000 <sup>(b)</sup>	2,100	230	42	55	110	NS
	09/19/97	2,700,000	110,000	230	140	250	700	ND
	11/17/97	950,000 <sup>(c)</sup>	40,000 <sup>(c)</sup>	240 <sup>(c)</sup>	190 <sup>(c)</sup>	270 <sup>(c)</sup>	880 <sup>(c)</sup>	ND <sup>(c)</sup>
	02/27/98	1,200,000	380,000	50	50	200	800	ND
	05/27/98	280,000	13,000	110	13	66	390	ND
	10/01/98	63,000	1,300 <sup>(d)</sup>	43	1.2	15	84	ND
	12/22/98	79,000 <sup>(e,f)</sup>	2,000 <sup>(e,g)</sup>	32 <sup>(e)</sup>	ND <sup>(e)</sup>	23 <sup>(e)</sup>	130 <sup>(e)</sup>	ND
	12/28/99	43,000	1,700	49	1.3	11	24	ND
	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	
12/05/02	17,000	340*	2.2	ND	ND	ND	6.0	
MW-2	02/20/97	1,000 <sup>(b)</sup>	ND	ND	ND	ND	ND	NS
	05/28/97	3,700 <sup>(b,h)</sup>	ND	ND	ND	ND	ND	NS
	09/19/97	4,100	ND	ND	ND	ND	ND	ND
	11/17/97	1,300	ND	ND	ND	ND	ND	ND
	02/27/98	340	ND	ND	0.9	ND	ND	ND
	05/27/98	1,300	ND	ND	ND	ND	ND	ND
	10/01/98	3,500 <sup>(i)</sup>	3,200 <sup>(d)</sup>	ND	ND	ND	ND	ND
	12/22/98	1,200 <sup>(j,k)</sup>	67 <sup>(d)</sup>	ND	ND	ND	ND	ND
	12/28/99	750	ND	ND	ND	ND	ND	ND
	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	
12/05/02	57*	ND	ND	ND	ND	ND	ND	
MW-3	02/20/97	140 <sup>(b)</sup>	ND	ND	ND	ND	ND	NS
	05/28/97	240 <sup>(b,h)</sup>	ND	ND	ND	ND	ND	NS
	09/19/97	ND	ND	0.7	ND	ND	ND	ND
	11/17/97	ND	ND	ND	ND	ND	ND	ND
	02/27/98	ND	ND	ND	ND	ND	ND	ND
	05/27/98	ND	ND	ND	ND	ND	ND	ND
	10/01/98	56 <sup>(i)</sup>	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	NS	NS	NS	NS	NS	NS	NS
	03/14/00	NS	NS	NS	NS	NS	NS	NS
	06/28/00	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
	12/05/02	NS	NS	NS	NS	NS	NS	NS
MW-4	02/20/97	470,000	64,000 <sup>(m)</sup>	ND	ND	ND	ND	NS
	05/28/97	1,000,000 <sup>(h)</sup>	11,000 <sup>(m)</sup>	ND	ND	ND	ND	NS
	09/19/97	2,600,000	37,000	260	ND	ND	ND	ND
	11/17/97	57,000 <sup>(c)</sup>	4,400 <sup>(c)</sup>	25 <sup>(c)</sup>	ND <sup>(c)</sup>	ND <sup>(c)</sup>	ND <sup>(c)</sup>	ND <sup>(c)</sup>
	02/27/98	9,300	580	2.7	0.8	0.8	3	ND
	05/27/98	11,000	3,900	1.4	0.6	ND	ND	ND
	10/01/98	670,000	2,400 <sup>(n)</sup>	5.7	ND	ND	4.6	ND
	12/22/98	3,700 <sup>(e-o)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>	ND <sup>(p)</sup>
	12/28/99	5,800	1,000	ND	ND	ND	ND	ND
	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
	12/05/02	1,500*	ND	ND	ND	ND	ND	ND
MW-5	02/20/97	1,100 <sup>(h)</sup>	ND	ND	ND	ND	ND	NS
	05/28/97	560 <sup>(h-q)</sup>	60 <sup>(m)</sup>	ND	ND	ND	ND	NS
	09/19/97	1,000	70	ND	ND	ND	ND	ND
	11/17/97	1,100	70	0.6	0.7	0.5	ND	5
	02/27/98	ND	ND	ND	ND	ND	ND	5
	05/27/98	770	ND	ND	ND	ND	ND	ND
	10/01/98	630	ND	ND	ND	ND	ND	ND
	12/22/98	890 <sup>(p)</sup>	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	
12/05/02	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



**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
12/05/02	NS	NS	NS	NS	NS	NS	NS	
MW-7	02/20/97	1,500,000	15,000 <sup>(m)</sup>	81	51	ND	ND	NS
	05/28/97	440,000 <sup>(h)</sup>	390,000 <sup>(m)</sup>	ND	ND	ND	ND	NS
	09/19/97	910,000	3,600	110	64	37	ND	ND
	11/17/97	18,000,000 <sup>(c)</sup>	15,000 <sup>(c)</sup>	110 <sup>(c)</sup>	41 <sup>(c)</sup>	12 <sup>(c)</sup>	110 <sup>(c)</sup>	ND <sup>(c)</sup>
	02/27/98	290,000	45,000	80	60	ND	ND	ND
	05/27/98	1,600	140	2.3	0.9	0.9	3	ND
	10/01/98	89,000	710 <sup>(n)</sup>	39	2.4	11	31	ND
	12/22/98	240,000 <sup>(o)</sup>	3,900 <sup>(g)</sup>	51	ND	ND	ND	ND
	12/28/99	300,000	2,300	51	5.3	13	27	ND
	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	
12/05/02	9,100*	290#	ND	ND	ND	ND	5.7	
MW-8	02/20/97	2,500	340 <sup>(n)</sup>	2.1	53	7.1	94	NS
	05/28/97	200 <sup>(h, s)</sup>	480 <sup>(n)</sup>	2.5	12	ND	76	NS
	09/19/97	7,000	1,000	0.8	5	0.5	130	ND
	11/17/97	520	250	1.4	2.1	0.7	3	ND
	02/27/98	150	ND	ND	ND	ND	ND	ND
	05/27/98	70	ND	ND	ND	ND	ND	ND
	10/01/98	440 <sup>(l)</sup>	ND	ND	ND	ND	ND	ND
	12/22/98	NS	NS	NS	NS	NS	NS	NS
	12/28/99	130	ND	ND	ND	ND	ND	ND
	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	
12/05/02	97*	ND	ND	ND	ND	ND	ND	
OW-1	12/28/99	7,700	3,400	11	ND	ND	2.6	ND
	03/15/00	5,300	700	1.7	ND	ND	ND	ND
	06/29/00	1,300*	140#	4	ND	ND	2.2	6.6
	09/14/00	5,800	180	ND	ND	ND	ND	ND
	12/12/00	230	110	3.4	ND	ND	ND	ND
	03/14/01	2,200	110	4	ND	ND	0.5	ND
	06/13/01	1,500	120	2.5	ND	ND	ND	ND
	08/29/01	1,200*	130#	ND	ND	ND	ND	ND

**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-1 Cont.	12/12/01	3,100*	76#	ND	ND	ND	ND	ND
	04/11/02	3,600*	300#	ND	ND	ND	ND	NA
	12/05/02	490#	78#	ND	ND	ND	ND	ND
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16
	03/15/00	1,100	350	24	ND	ND	ND	9.3
	06/29/00	850*	160#	7.4	ND	ND	ND	13
	09/14/00	6,300	590	26	0.79	ND	1.7	17
	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
	12/05/02	500*	230#	ND	ND	ND	ND	5.6

Notes:

- |   |  |
|---|--|
| mg/L - micrograms per liter                     | NS - Well not sampled  |
| TPHd - Total Petroleum Hydrocarbons as diesel   | ND - Not detected at or above the laboratory detection limit |
| TPHg - Total Petroleum Hydrocarbons as gasoline | NA - Not analyzed  |
| MTBE - Methyl tert butyl ether                  |  |
- (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
	12/05/02	7.01	NM	-79
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
	12/05/02	7.01	0.14	-32
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
	12/05/02	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
	12/05/02	6.81	0.56	-13
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

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

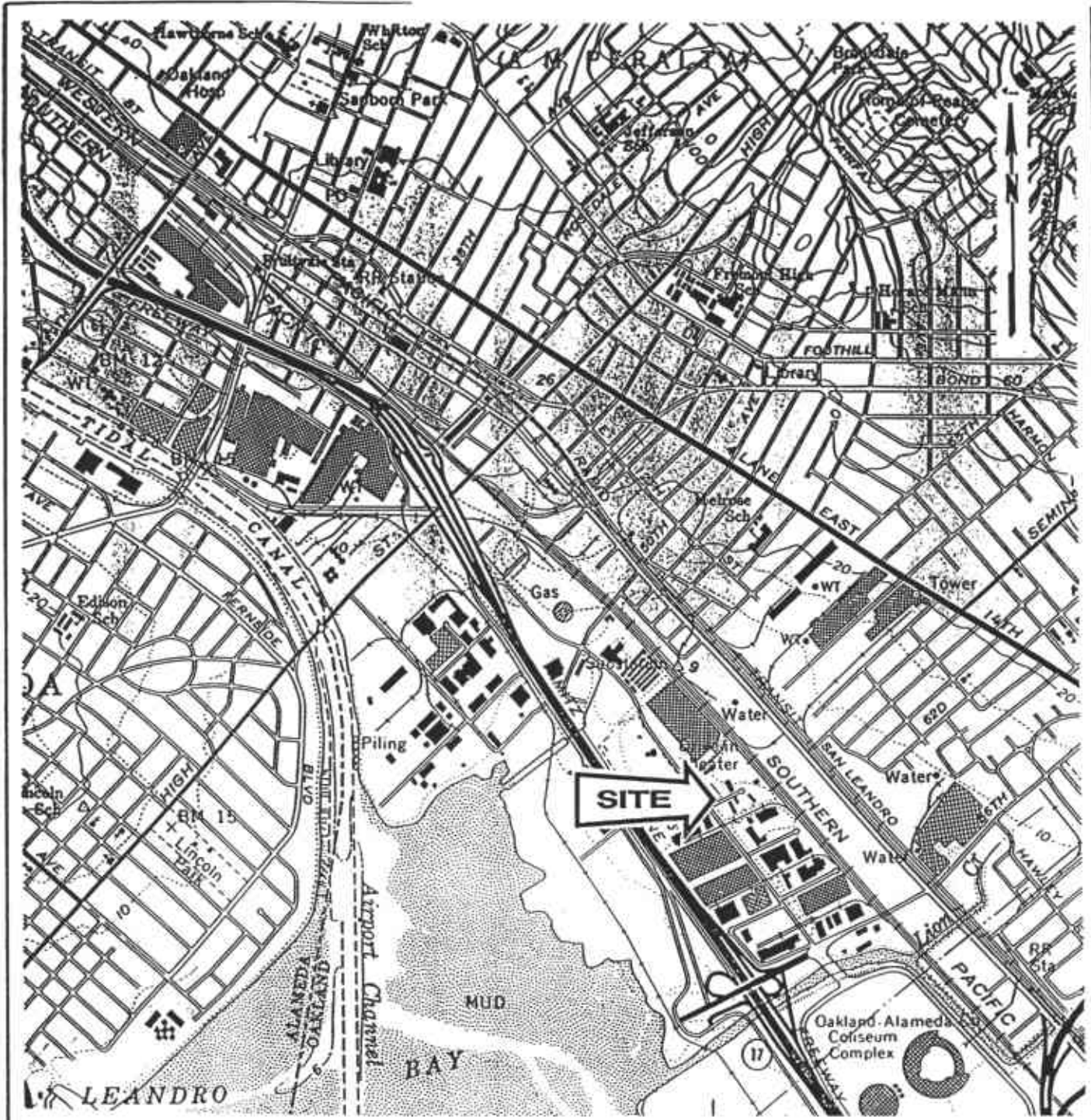
WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-5 Cont.	03/14/01	NM	NM	NM
	06/13/01	7.04	3.61	-44
	08/29/01	NM	NM	NM
	12/13/01	7.05	3.26	52
	04/11/02	7.04	2.28	-524
	12/05/02	NM	NM	NM
MW-6	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	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
12/05/02	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
	12/05/02	6.96	0.14	10
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
	12/05/02	6.91	0.07	-88
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
12/05/02	6.88	0.03	-79	

**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	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
	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
	12/05/02	6.85	0.01	-95

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)

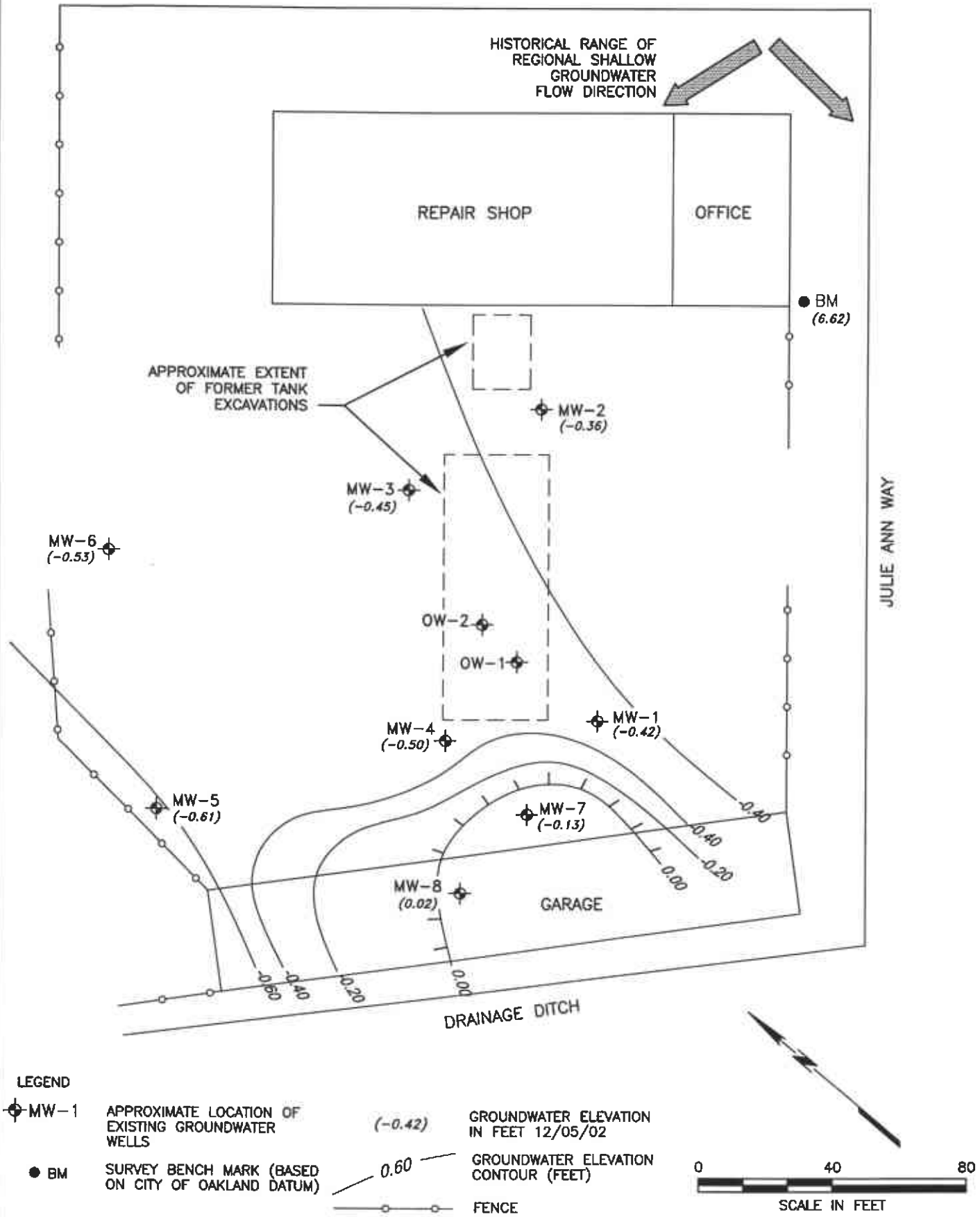
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**SECOR**  
*International Incorporated*

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**

20030110.11283217 E:\Penske\OAKLAND\050T.50043.00--2ND ANNUAL EVENT.dwg

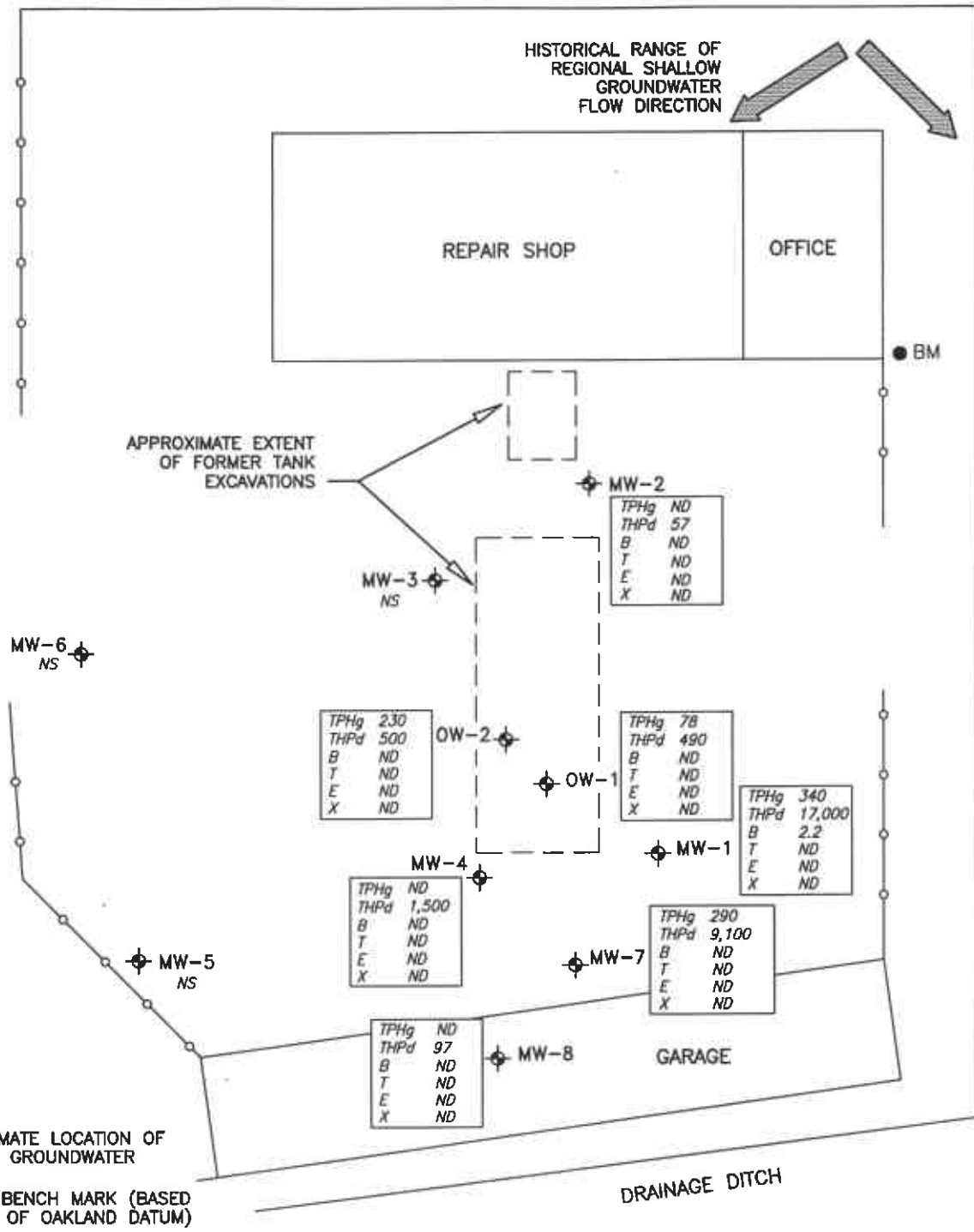


**SECOR**  
International Incorporated

DRAWN	RRR
APPR	AEM
DATE	10 JAN 03
JOB NO.	050T.50043.00

**FIGURE 2**  
FORMER PENSKE TRUCKING COMPANY  
725 JULIE ANN WAY  
OAKLAND, CALIFORNIA  
**SHALLOW GROUNDWATER CONTOURS**  
**2ND SEMI-ANNUAL EVENT, 2002**

20030110.09530171 E:\Penske\OAKLAND\05OT.50043.00-2ND ANNUAL EVENT.dwg



**LEGEND**

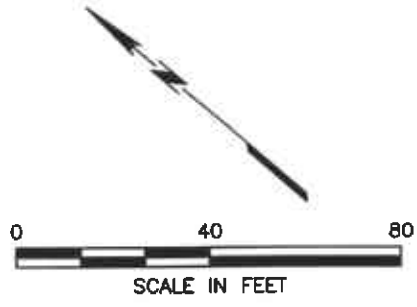
- ⊕ MW-1 APPROXIMATE LOCATION OF EXISTING GROUNDWATER WELLS
- BM SURVEY BENCH MARK (BASED ON CITY OF OAKLAND DATUM)
- FENCE

**ANALYTES:**

- TPHg — TOTAL AROMATIC HYDROCARBONS
- TPHd — TOTAL ALIPHATIC HYDROCARBONS
- B — BENZENE
- T — TOLUENE
- E — ETHYLBENZENE
- X — XYLENES
- NS — NOT DETECTED
- ND — NOT SAMPLED

**CHEMICAL ANALYTICAL RESULTS:**

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



**SECOR**  
International Incorporated

DRAWN	RRR
APPR	AEM
DATE	10 JAN 03
JOB NO.	05OT.50043.00

**FIGURE 3**  
FORMER PENSKE TRUCKING COMPANY  
725 JULIE ANN WAY  
OAKLAND, CALIFORNIA  
**PETROLEUM HYDROCARBON CONCENTRATIONS**  
**2ND SEMIANNUAL EVENT, 2002**

JULIE ANN WAY



**APPENDIX A**  
**Water Sample Field Data Sheets**  
**SECOND SEMI-ANNUAL GROUNDWATER**  
**MONITORING REPORT FOR 2002**

Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California  
SECOR Project No.: 05OT.50034.00  
January 10, 2003

## HYDROLOGIC DATA SHEET

DATE: 12-5-02 PROJECT: Penske -725 Julianne Way PROJECT # \_\_\_\_\_

EVENT: 4<sup>th</sup> Qtr. 2002

SAMPLER: ND

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		- <u>TOC</u> - <u>TD</u>	DTW	DTP	PT	- <u>ELEV</u> <small>Depth ft</small>	
MW-1		33.90	5.85			58	(F.P.)
MW-2		29.50	6.56			50	
MW-3		—	6.55			—	no sample
MW-4		27.15	5.68			45	
MW-5		—	5.32			—	No Sample
MW-6		—	5.90			—	no Sample
MW-7		28.40	5.25			48	
MW-8		26.00	5.42			45	
OW-1		14.20	5.13			20	
OW-2		14.15	5.42			19	
						285	

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 #: 014.07701.001 PURGED BY: ND WELL I.D.: MW-1  
 CLIENT NAME: Penske SAMPLED BY: ND SAMPLE I.D.: MW-1  
 LOCATION: 725 Julie Ann Way Oakbrook CA WHAT QA SAMPLES?: —

DATE PURGED 12-5-02 START (2400hr) 1537  
 DATE SAMPLED 12-5-02 SAMPLE TIME (2400hr) 1615  
 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) = 33.90 CASING VOLUME (gal) = 18.8  
 DEPTH TO WATER (feet) = 5.85 CALCULATED PURGE (gal) = 58.4  
 WATER COLUMN HEIGHT (feet) = 28.05 ACTUAL PURGE (gal) = 60

**FIELD MEASUREMENTS**

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F/C)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mv)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>1546</u>	<u>20</u>	<u>19.16</u>	<u>10,084</u>	<u>6.89</u>	<u>low</u>	<u>-64.9</u>	
	<u>1558</u>	<u>40</u>	<u>19.55</u>	<u>3,860</u>	<u>7.00</u>	<u>low</u>	<u>-76.0</u>	
	<u>1610</u>	<u>60</u>	<u>19.78</u>	<u>6,285</u>	<u>7.01</u>	<u>low</u>	<u>-78.7</u>	
								<u>1.0</u>

\* Pre-purge DO % — mg/L Post-purge DO % — mg/L

80% RECHARGE:  YES  NO

ANALYSES: TPHd, 5, BTEX, MTBE

ODOR: TPH

SAMPLE VESSEL / PRESERVATIVE: (3) vials of HCl, (1) AL N/P

**PURGING EQUIPMENT**

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

Other: —  
 Pump Depth: 28'

**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

COMMENTS:

+10 DO; TPH sheen on water

SIGNATURE: Neil Dan

## SECOR International Inc.

### WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014,07701,001      PURGED BY: ND      WELL I.D.: MW-2  
 CLIENT NAME: Penske      SAMPLED BY: ND      SAMPLE I.D.: MW-2  
 LOCATION: 725 Julie Ann Way Oakland CA      WHAT QA SAMPLES?: -

DATE PURGED 12-5-02      START (2400hr) 1219  
 DATE SAMPLED 12-5-02      SAMPLE TIME (2400hr) 1250

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) = 29.50      CASING VOLUME (gal) = 15.4

DEPTH TO WATER (feet) = 6.56      CALCULATED PURGE (gal) = 46.2

WATER COLUMN HEIGHT (feet) = 22.94      ACTUAL PURGE (gal) = 50

#### FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F) <sup>C</sup>	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mv)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>1227</u>	<u>516</u>	<u>19.85</u>	<u>4542</u>	<u>7.04</u>	<u>low</u>	<u>-42.0</u>	
	<u>1236</u>	<u>32</u>	<u>19.76</u>	<u>4706</u>	<u>7.01</u>	<u>low</u>	<u>-32.5</u>	
	<u>1246</u>	<u>50</u>	<u>19.80</u>	<u>4775</u>	<u>7.01</u>	<u>low</u>	<u>-32.1</u>	

Pre-purge DO 3.1 % 0.27 mg/L      Post-purge DO 1.6 % 0.14 mg/L

80% RECHARGE:  YES     NO      ANALYSES: TPHd, -g, BTEX, MTBE  
 ODOR: none      SAMPLE VESSEL / PRESERVATIVE(S): LOMS w/ HCl, (1) AL W/D

#### PURGING EQUIPMENT

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

Other: \_\_\_\_\_  
Pump Depth: -25'

#### 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

#### COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: Neil Dan

**SECOR International Inc.**  
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: ND WELL I.D.: MW-4  
 CLIENT NAME: Penske SAMPLED BY: ND SAMPLE I.D.: MW-4  
 LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?:     

DATE PURGED 12-5-02 START (2400hr) 1407  
 DATE SAMPLED 12-5-02 SAMPLE TIME (2400hr) 1630

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) = 27.15 CASING VOLUME (gal) = 14.4  
 DEPTH TO WATER (feet) = 5.65 CALCULATED PURGE (gal) = 43.2  
 WATER COLUMN HEIGHT (feet) = 21.47 ACTUAL PURGE (gal) = 53.8\*

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mv)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>1418</u>	<u>15</u>	<u>20.24</u>	<u>9,508</u>	<u>6.79</u>	<u>low</u>	<u>-65.4</u>	
	<u>1430</u>	<u>36</u>	<u>19.81</u>	<u>17,625</u>	<u>6.68</u>	<u>low</u>	<u>-21.5</u>	
		<u>53.8*</u>	<u>19.80</u>	<u>14,524</u>	<u>6.81</u>	<u>low</u>	<u>-13.2</u>	
		<u>*well dewatered</u>						
								<u>1.6</u>

Pre-purge DO 7.7% 0.69 mg/L Post-purge DO 6.5% 0.56 mg/L

80% RECHARGE:  YES  NO ANALYSES: TPHd, -9, BTEX, MTBS  
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOA: w/HCl, (1) AL w/ N/P

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 or <u>disp</u> )	<input type="checkbox"/> Sample Port	<input type="checkbox"/> Bailer ( <input type="checkbox"/> PVC or <input type="checkbox"/> disposable)
<input checked="" type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)	<input type="checkbox"/> Submersible Pump	<input checked="" type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated	<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated
Other: _____		Other: _____	
Pump Depth: <u>~23'</u>			

WELL INTEGRITY: good

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: Neil Dan Page 1 of 1

**SECOR International Inc.**  
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: ND WELL I.D.: Mw.7  
 CLIENT NAME: Penske SAMPLED BY: ND SAMPLE I.D.: Mw.7  
 LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: -

DATE PURGED 12-5-02 START (2400hr) 1447  
 DATE SAMPLED 12-5-02 SAMPLE TIME (2400hr) 1515

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) ( )

DEPTH TO BOTTOM (feet) = 28.40 CASING VOLUME (gal) = 15.5  
 DEPTH TO WATER (feet) = 5.25 CALCULATED PURGE (gal) = 46.5  
 WATER COLUMN HEIGHT (feet) = 23.15 ACTUAL PURGE (gal) = 50

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F/C)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mv)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>1454</u>	<u>15</u>	<u>18.89</u>	<u>5,416</u>	<u>6.99</u>	<u>low</u>	<u>15.3</u>	
	<u>1502</u>	<u>30</u>	<u>19.05</u>	<u>5,334</u>	<u>6.94</u>	<u>low</u>	<u>2.4</u>	
	<u>1511</u>	<u>45.5</u>	<u>19.08</u>	<u>5,343</u>	<u>6.96</u>	<u>low</u>	<u>10.2</u>	

Pre-purge DO 5.7% 0.53 mg/L Post-purge DO 15% 0.14 mg/L

80% RECHARGE: ✓ YES     NO ANALYSES: TPHd, -g, BTEX, MTBE  
 ODOR: TPH SAMPLE VESSEL / PRESERVATIVE: (3) VOAs w/ HCl, (2) AL N/P

PURGING EQUIPMENT

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

Other: \_\_\_\_\_  
 Pump Depth: ~23'

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 #: 014.07701.001 PURGED BY: ND WELL I.D.: MW-8  
 CLIENT NAME: Penske SAMPLED BY: ND SAMPLE I.D.: MW-8  
 LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: -

DATE PURGED 12-5-02 START (2400hr) 1310  
 DATE SAMPLED 12-5-02 SAMPLE TIME (2400hr) 1350

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) = 26.00 CASING VOLUME (gal) = 138  
 DEPTH TO WATER (feet) = 5.42 CALCULATED PURGE (gal) = 41.4  
 WATER COLUMN HEIGHT (feet) = 20.58 ACTUAL PURGE (gal) = 45

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mv)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>1316</u>	<u>15</u>	<u>18.29</u>	<u>5,317</u>	<u>6.96</u>	<u>low</u>	<u>-82.4</u>	
	<u>1326</u>	<u>30</u>	<u>18.49</u>	<u>5,842</u>	<u>6.82</u>	<u>low</u>	<u>-65.6</u>	
	<u>1339</u>	<u>45</u>	<u>18.46</u>	<u>6,017</u>	<u>6.91</u>	<u>low</u>	<u>-88.2</u>	
								<u>2.0</u>

Pre-purge DO 2.6% 0.34 mg/L Post-purge DO 0.7% 0.07 mg/L

80% RECHARGE:  YES  NO ANALYSES: TPH, -g, BTEX, MTSE  
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOLS w/ HCl, (1) AL w/P

PURGING EQUIPMENT

Well Wizard Bladder Pump  Bailer (Teflon)  
 Active Extration Well Pump  Bailer (PVC or disp)  
 Submersible Pump  Bailer (Stainless Steel)  
 Peristaltic Pump  Dedicated \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Pump Depth: ~20'

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

COMMENTS: Soil samples: DRUM-A 1370  
-B 1335  
-C 1340  
Comp. Sample for disposal

SIGNATURE: [Signature] 1345 for A. McGrath Page 1 of 1

**SECOR International Inc.**  
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: ND WELL I.D.: OW-1  
 CLIENT NAME: Penske SAMPLED BY: ND SAMPLE I.D.: OW-1  
 LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: -

DATE PURGED 12-5-02 START (2400hr) 935  
 DATE SAMPLED 12-5-02 SAMPLE TIME (2400hr) 955

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) ( )

DEPTH TO BOTTOM (feet) = 14.20 CASING VOLUME (gal) = 6.1  
 DEPTH TO WATER (feet) = 5.13 CALCULATED PURGE (gal) = 18.3  
 WATER COLUMN HEIGHT (feet) = 9.07 ACTUAL PURGE (gal) = \_\_\_\_\_

**FIELD MEASUREMENTS**

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mV)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>939</u>	<u>6</u>	<u>18.93</u>	<u>2,349</u>	<u>6.90</u>	<u>DO 2.2% / 0.20 mg/L</u>	<u>-89.9</u>	
	<u>943</u>	<u>12</u>	<u>18.92</u>	<u>2,301</u>	<u>6.87</u>		<u>-80.0</u>	
	<u>946</u>	<u>19</u>	<u>19.07</u>	<u>2,334</u>	<u>6.88</u>		<u>-79.0</u>	
								<u>3.2</u>

Pre-purge DO 2.2% 0.20 mg/L Post-purge DO 2.9% 0.03 mg/L

80% RECHARGE: YES NO ANALYSES: TVHd, -g, BTEX/MTBE, Nitrate, Sulfate

ODOR: \_\_\_\_\_ SAMPLE VESSEL / PRESERVATIVE: (3) WAS w/HCl, 1 AL w/P, 1 500mL Polys N/A

**PURGING EQUIPMENT**

\_\_\_\_ Well Wizard Bladder Pump  
 \_\_\_\_ Active Extration Well Pump  
✓ Submersible Pump  
 \_\_\_\_ Peristaltic Pump

\_\_\_\_ Bailer (Teflon)  
 \_\_\_\_ Bailer (PVC or disp)  
 \_\_\_\_ Bailer (Stainless Steel)  
 \_\_\_\_ Dedicated

Other: \_\_\_\_\_  
 Pump Depth: -12'

**SAMPLING EQUIPMENT**

\_\_\_\_ WW Bladder Pump  
 \_\_\_\_ Sample Port  
 \_\_\_\_ Submersible Pump  
 \_\_\_\_ Peristaltic Pump

\_\_\_\_ Bailer (Teflon)  
 \_\_\_\_ Bailer (PVC or disposable)  
 \_\_\_\_ Bailer (Stainless Steel)  
✓ Dedicated 6g/10'

Other: \_\_\_\_\_

WELL INTEGRITY: Good

COMMENTS:

SIGNATURE: [Signature]



# SECOR International Inc.

## WATER SAMPLE FIELD DATA SHEET

PROJECT #: 014.07701.001 PURGED BY: ND WELL I.D.: 0W-2  
 CLIENT NAME: Penske SAMPLED BY: ND SAMPLE I.D.: 0W-2  
 LOCATION: 725 Julie Ann Way Oakland CA WHAT QA SAMPLES?: -

DATE PURGED 12-5-02 START (2400hr) 1015  
 DATE SAMPLED 12-5-02 SAMPLE TIME (2400hr) 1035

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) ( )

DEPTH TO BOTTOM (feet) = 14.15 CASING VOLUME (gal) = 86.5  
 DEPTH TO WATER (feet) = 5.42 CALCULATED PURGE (gal) = 19.5  
 WATER COLUMN HEIGHT (feet) = 9.73 ACTUAL PURGE (gal) = 2021

### FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F/C)	CONDUCTIVITY (umhos/cm)	pH (units)	TURBIDITY (visual)	ORP (mv)	Fe <sup>2+</sup> (mg/L)
<u>12-5-02</u>	<u>1020</u>	<u>7</u>	<u>19.26</u>	<u>2,384</u>	<u>6.88</u>	<u>high</u>	<u>-85.6</u>	
	<u>1025</u>	<u>14</u>	<u>19.83</u>	<u>2,402</u>	<u>6.91</u>	<u>low</u>	<u>-92.9</u>	
	<u>1030</u>	<u>21</u>	<u>19.82</u>	<u>2,403</u>	<u>6.85</u>	<u>low</u>	<u>-94.6</u>	
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	<u>4.0</u>
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

Pre-purge DO 2.0 % 0.18 mg/L      Post-purge DO 0.2 % 0.01 mg/L

80% RECHARGE: ✓ YES     NO      ANALYSES: TPHd, g, BTEX, HCB, Nitrate, Sulfate  
 ODOR: none      SAMPLE VESSEL / PRESERVATIVE (3) WAS w/ HCl, (1) 9L NIP, (1) 500 mL Poly w/P

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<u>   </u> Well Wizard Bladder Pump	<u>   </u> Bailer (Teflon)	<u>   </u> WW Bladder Pump	<u>   </u> Bailer (Teflon)
<u>   </u> Active Extration Well Pump	<u>   </u> Bailer (PVC or <u>   </u> disp)	<u>   </u> Sample Port	<u>   </u> Bailer ( <u>   </u> PVC or <u>   </u> disposable)
<u>✓</u> Submersible Pump	<u>   </u> Bailer (Stainless Steel)	<u>   </u> Submersible Pump	<u>   </u> Bailer (Stainless Steel)
<u>   </u> Peristaltic Pump	<u>   </u> Dedicated	<u>   </u> Peristaltic Pump	<u>   </u> Dedicated
Other: _____	_____	Other: _____	_____
Pump Depth: <u>~10'</u>			

WELL INTEGRITY: good

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: Neil Down Page 1 of 1

**APPENDIX B**  
**Laboratory Analytical Reports and**  
**Chain-of-Custody Records**  
**SECOND SEMI-ANNUAL GROUNDWATER**  
**MONITORING REPORT FOR 2002**  
Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California  
SECOR Project No.: 05OT.50034.00  
January 10, 2003

**SECOR- Lafayette**

December 13, 2002

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

Attn.: Angus McGrath

Project: Penske Oakland

Attached is our report for your samples received on 12/05/2002 18:05

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 01/19/2003 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@stl-inc.com](mailto:asalimpour@stl-inc.com)

Sincerely,



Afsaneh Salimpour  
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
OW-1	12/05/2002 09:55	Water	1
OW-2	12/05/2002 10:35	Water	2

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

A part of Severn Trent Plc

12/12/2002 14:30

Page 1 of 10

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: OW-1	Lab ID: 2002-12-0118 - 1
Sampled: 12/05/2002 09:55	Extracted: 12/11/2002 13:21
Matrix: Water	QC Batch#: 2002/12/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	78	50	ug/L	1.00	12/11/2002 13:21	g
Benzene	ND	0.50	ug/L	1.00	12/11/2002 13:21	
Toluene	ND	0.50	ug/L	1.00	12/11/2002 13:21	
Ethyl benzene	ND	0.50	ug/L	1.00	12/11/2002 13:21	
Xylene(s)	ND	0.50	ug/L	1.00	12/11/2002 13:21	
MTBE	ND	5.0	ug/L	1.00	12/11/2002 13:21	
<b>Surrogates(s)</b>						
Trifluorotoluene	71.0	58-124	%	1.00	12/11/2002 13:21	
4-Bromofluorobenzene-FID	75.0	50-150	%	1.00	12/11/2002 13:21	

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: OW-2	Lab ID: 2002-12-0118 - 2
Sampled: 12/05/2002 10:35	Extracted: 12/10/2002 18:53
Matrix: Water	QC Batch#: 2002/12/10-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	230	50	ug/L	1.00	12/10/2002 18:53	g
Benzene	ND	0.50	ug/L	1.00	12/10/2002 18:53	
Toluene	ND	0.50	ug/L	1.00	12/10/2002 18:53	
Ethyl benzene	ND	0.50	ug/L	1.00	12/10/2002 18:53	
Xylene(s)	ND	0.50	ug/L	1.00	12/10/2002 18:53	
MTBE	5.6	5.0	ug/L	1.00	12/10/2002 18:53	
<b>Surrogates(s)</b>						
Trifluorotoluene	62.6	58-124	%	1.00	12/10/2002 18:53	
4-Bromofluorobenzene-FID	81.4	50-150	%	1.00	12/10/2002 18:53	

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

Method Blank

Water

QC Batch # 2002/12/10-01.02

MB: 2002/12/10-01.02-003

Date Extracted: 12/10/2002 08:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/10/2002 08:23	
Benzene	ND	0.5	ug/L	12/10/2002 08:23	
Toluene	ND	0.5	ug/L	12/10/2002 08:23	
Ethyl benzene	ND	0.5	ug/L	12/10/2002 08:23	
Xylene(s)	ND	0.5	ug/L	12/10/2002 08:23	
MTBE	ND	5.0	ug/L	12/10/2002 08:23	
<b>Surrogates(s)</b>					
Trifluorotoluene	70.3	58-124	%	12/10/2002 08:23	
4-Bromofluorobenzene-FID	85.3	50-150	%	12/10/2002 08:23	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/12/2002 14:30

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 5030

Method Blank

MB: 2002/12/11-01.05-001

Water

Test(s): 8015M

QC Batch # 2002/12/11-01.05

Date Extracted: 12/11/2002 08:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/11/2002 08:03	
Benzene	ND	0.5	ug/L	12/11/2002 08:03	
Toluene	ND	0.5	ug/L	12/11/2002 08:03	
Ethyl benzene	ND	0.5	ug/L	12/11/2002 08:03	
Xylene(s)	ND	0.5	ug/L	12/11/2002 08:03	
MTBE	ND	5.0	ug/L	12/11/2002 08:03	
<b>Surrogates(s)</b>					
Trifluorotoluene	74.0	58-124	%	12/11/2002 08:03	
4-Bromofluorobenzene-FID	78.8	50-150	%	12/11/2002 08:03	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/12/2002 14:30



**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/10-01.02**

LCS 2002/12/10-01.02-006

Extracted: 12/10/2002

Analyzed: 12/10/2002 10:15

LCSD 2002/12/10-01.02-007

Extracted: 12/10/2002

Analyzed: 12/10/2002 10:48

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	529	491	500	105.8	98.2	7.5	75-125	20		
<i>Surrogates(s)</i>										
4-Bromofluorobenzene-FID	466	440	500	93.2	88.0		50-150			

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/12/2002 14:30

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 5030

Test(s): 8021B

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/10-01.02**

LCS 2002/12/10-01.02-008

Extracted: 12/10/2002

Analyzed: 12/10/2002 09:09

LCSD 2002/12/10-01.02-005

Extracted: 12/10/2002

Analyzed: 12/10/2002 09:42

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	107	97.4	100.0	107.0	97.4	9.4	77-123	20		
Toluene	104	95.0	100.0	104.0	95.0	9.0	78-122	20		
Ethyl benzene	104	95.4	100.0	104.0	95.4	8.6	70-130	20		
Xylene(s)	306	282	300	102.0	94.0	8.2	75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	390	343	500	78.0	68.6		58-124	0		

Severn Trent Laboratories, Inc.

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12/12/2002 14:30

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 5030

Test(s): 8021B

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/11-01.05**

LCS 2002/12/11-01.05-002

Extracted: 12/11/2002

Analyzed: 12/11/2002 08:35

LCSD 2002/12/11-01.05-003

Extracted: 12/11/2002

Analyzed: 12/11/2002 09:07

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	94.3	87.1	100.0	94.3	87.1	7.9	77-123	20		
Toluene	92.5	86.2	100.0	92.5	86.2	7.1	78-122	20		
Ethyl benzene	93.8	86.0	100.0	93.8	86.0	8.7	70-130	20		
Xylene(s)	281	259	300	93.7	86.3	8.2	75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	416	380	500	83.2	76.0		58-124	0		

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/11-01.05**

LCS 2002/12/11-01.05-004

Extracted: 12/11/2002

Analyzed: 12/11/2002 09:39

LCSD 2002/12/11-01.05-005

Extracted: 12/11/2002

Analyzed: 12/11/2002 10:11

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	507	441	500	101.4	88.2	13.9	75-125	20		
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	414	360	500	82.8	72.0		50-150	0		

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/12/2002 14:30

Gas/BTEX Compounds by 8015M/8021

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

---

Legend and Notes

---

Result Flag

g

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

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
OW-1	12/05/2002 09:55	Water	1
OW-2	12/05/2002 10:35	Water	2

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: OW-1	Lab ID: 2002-12-0118 - 1
Sampled: 12/05/2002 09:55	Extracted: 12/6/2002 15:02
Matrix: Water	QC Batch#: 2002/12/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	490	50	ug/L	1.00	12/10/2002 12:56	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	72.1	60-130	%	1.00	12/10/2002 12:56	

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: OW-2	Lab ID: 2002-12-0118 - 2
Sampled: 12/05/2002 10:35	Extracted: 12/6/2002 15:02
Matrix: Water	QC Batch#: 2002/12/06-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	500	50	ug/L	1.00	12/10/2002 13:37	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	80.8	60-130	%	1.00	12/10/2002 13:37	



**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 3510/8015M  
Method Blank  
MB: 2002/12/06-02.10-001

Water

Test(s): 8015M  
QC Batch # 2002/12/06-02.10  
Date Extracted: 12/06/2002 15:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/07/2002 09:50	
<b>Surrogates(s)</b> o-Terphenyl	80.7	60-130	%	12/07/2002 09:50	

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/12/06-02.10

LCS 2002/12/06-02.10-002

Extracted: 12/06/2002

Analyzed: 12/07/2002 08:28

LCSD 2002/12/06-02.10-003

Extracted: 12/06/2002

Analyzed: 12/07/2002 09:08

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	1290	1200	1250	103.2	96.0	7.2	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	19.3	18.2	20.0	96.5	91.0		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/12/2002 15:59

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

---

**Legend and Notes**

---

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

**SECOR- Lafayette**

December 17, 2002

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

Attn.: Angus McGrath  
Project: Penske  
Site: 725 Julie Ann Way  
Oakland, CA

Attached is our report for your samples received on 12/06/2002 16:06  
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  
01/20/2003 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@stl-inc.com](mailto:asalimpour@stl-inc.com)

Sincerely,



Afsaneh Salimpour  
Project Manager

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	12/05/2002 16:15	Water	1
MW-2	12/05/2002 12:50	Water	2
MW-4	12/05/2002 16:30	Water	3
MW-7	12/05/2002 15:15	Water	4
MW-8	12/05/2002 13:50	Water	5
DRUM-A-D	12/05/2002 13:30	Soil	6

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette

Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-1	Lab ID: 2002-12-0161 - 1
Sampled: 12/05/2002 16:15	Extracted: 12/11/2002 17:22
Matrix: Water	QC Batch#: 2002/12/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	340	50	ug/L	1.00	12/11/2002 17:22	g
Benzene	2.2	0.50	ug/L	1.00	12/11/2002 17:22	
Toluene	ND	0.50	ug/L	1.00	12/11/2002 17:22	
Ethyl benzene	ND	0.50	ug/L	1.00	12/11/2002 17:22	
Xylene(s)	ND	0.50	ug/L	1.00	12/11/2002 17:22	
MTBE	6.0	5.0	ug/L	1.00	12/11/2002 17:22	
<b>Surrogates(s)</b>						
Trifluorotoluene	75.8	58-124	%	1.00	12/11/2002 17:22	
4-Bromofluorobenzene-FID	76.6	50-150	%	1.00	12/11/2002 17:22	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/17/2002 16:58

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-2	Lab ID: 2002-12-0161 - 2
Sampled: 12/05/2002 12:50	Extracted: 12/11/2002 17:54
Matrix: Water	QC Batch#: 2002/12/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/11/2002 17:54	
Benzene	ND	0.50	ug/L	1.00	12/11/2002 17:54	
Toluene	ND	0.50	ug/L	1.00	12/11/2002 17:54	
Ethyl benzene	ND	0.50	ug/L	1.00	12/11/2002 17:54	
Xylene(s)	ND	0.50	ug/L	1.00	12/11/2002 17:54	
MTBE	ND	5.0	ug/L	1.00	12/11/2002 17:54	
<b>Surrogates(s)</b>						
Trifluorotoluene	61.3	58-124	%	1.00	12/11/2002 17:54	
4-Bromofluorobenzene-FID	55.2	50-150	%	1.00	12/11/2002 17:54	

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-4	Lab ID: 2002-12-0161 - 3
Sampled: 12/05/2002 16:30	Extracted: 12/11/2002 18:26
Matrix: Water	QC Batch#: 2002/12/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/11/2002 18:26	
Benzene	ND	0.50	ug/L	1.00	12/11/2002 18:26	
Toluene	ND	0.50	ug/L	1.00	12/11/2002 18:26	
Ethyl benzene	ND	0.50	ug/L	1.00	12/11/2002 18:26	
Xylene(s)	ND	0.50	ug/L	1.00	12/11/2002 18:26	
MTBE	ND	5.0	ug/L	1.00	12/11/2002 18:26	
<b>Surrogates(s)</b>						
Trifluorotoluene	72.9	58-124	%	1.00	12/11/2002 18:26	
4-Bromofluorobenzene-FID	69.1	50-150	%	1.00	12/11/2002 18:26	



**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-7	Lab ID: 2002-12-0161 - 4
Sampled: 12/05/2002 15:15	Extracted: 12/12/2002 12:34
Matrix: Water	QC Batch#: 2002/12/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	290	50	ug/L	1.00	12/12/2002 12:34	g
Benzene	ND	0.50	ug/L	1.00	12/12/2002 12:34	
Toluene	ND	0.50	ug/L	1.00	12/12/2002 12:34	
Ethyl benzene	ND	0.50	ug/L	1.00	12/12/2002 12:34	
Xylene(s)	ND	0.50	ug/L	1.00	12/12/2002 12:34	
MTBE	5.7	5.0	ug/L	1.00	12/12/2002 12:34	
<b>Surrogates(s)</b>						
Trifluorotoluene	106.4	58-124	%	1.00	12/12/2002 12:34	
4-Bromofluorobenzene-FID	90.5	50-150	%	1.00	12/12/2002 12:34	

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-8	Lab ID: 2002-12-0161 - 5
Sampled: 12/05/2002 13:50	Extracted: 12/11/2002 19:30
Matrix: Water	QC Batch#: 2002/12/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/11/2002 19:30	
Benzene	ND	0.50	ug/L	1.00	12/11/2002 19:30	
Toluene	ND	0.50	ug/L	1.00	12/11/2002 19:30	
Ethyl benzene	ND	0.50	ug/L	1.00	12/11/2002 19:30	
Xylene(s)	ND	0.50	ug/L	1.00	12/11/2002 19:30	
MTBE	ND	5.0	ug/L	1.00	12/11/2002 19:30	
<b>Surrogates(s)</b>						
Trifluorotoluene	68.2	58-124	%	1.00	12/11/2002 19:30	
4-Bromofluorobenzene-FID	68.2	50-150	%	1.00	12/11/2002 19:30	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/17/2002 16:58

**Gas/BTEX Compounds by 8015M/8021**SECOR- Lafayette  
Attn.: Angus McGrath57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

---

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	DRUM-A-D	Lab ID:	2002-12-0161 - 6
Sampled:	12/05/2002 13:30	Extracted:	12/12/2002 18:45
Matrix:	Soil	QC Batch#:	2002/12/12-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	12/12/2002 18:45	
Benzene	ND	0.0050	mg/Kg	1.00	12/12/2002 18:45	
Toluene	ND	0.0050	mg/Kg	1.00	12/12/2002 18:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/12/2002 18:45	
Xylene(s)	ND	0.0050	mg/Kg	1.00	12/12/2002 18:45	
MTBE	ND	0.0050	mg/Kg	1.00	12/12/2002 18:45	
<b>Surrogates(s)</b>						
Trifluorotoluene	35.9	53-125	%	1.00	12/12/2002 18:45	sl
4-Bromofluorobenzene-FID	40.9	58-124	%	1.00	12/12/2002 18:45	sl

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5030

Method Blank

MB: 2002/12/11-01.05-001

Water

Test(s): 8015M

QC Batch # 2002/12/11-01.05

Date Extracted: 12/11/2002 08:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/11/2002 08:03	
Benzene	ND	0.5	ug/L	12/11/2002 08:03	
Toluene	ND	0.5	ug/L	12/11/2002 08:03	
Ethyl benzene	ND	0.5	ug/L	12/11/2002 08:03	
Xylene(s)	ND	0.5	ug/L	12/11/2002 08:03	
MTBE	ND	5.0	ug/L	12/11/2002 08:03	
<b>Surrogates(s)</b>					
Trifluorotoluene	74.0	58-124	%	12/11/2002 08:03	
4-Bromofluorobenzene-FID	78.8	50-150	%	12/11/2002 08:03	

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5035  
Method Blank  
MB: 2002/12/12-01.02-003

Soil

Test(s): 8015M  
QC Batch # 2002/12/12-01.02  
Date Extracted: 12/12/2002 08:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	12/12/2002 08:43	
Benzene	ND	0.0050	mg/Kg	12/12/2002 08:43	
Toluene	ND	0.0050	mg/Kg	12/12/2002 08:43	
Ethyl benzene	ND	0.0050	mg/Kg	12/12/2002 08:43	
Xylene(s)	ND	0.0050	mg/Kg	12/12/2002 08:43	
MTBE	ND	0.0050	mg/Kg	12/12/2002 08:43	
<b>Surrogates(s)</b>					
Trifluorotoluene	77.2	53-125	%	12/12/2002 08:43	
4-Bromofluorobenzene-FID	94.8	58-124	%	12/12/2002 08:43	

**Gas/BTEX Compounds by 8015M/8021**

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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5030  
Method Blank  
MB: 2002/12/12-01.05-001

Water

Test(s): 8015M  
QC Batch # 2002/12/12-01.05  
Date Extracted: 12/12/2002 08:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/12/2002 08:05	
Benzene	ND	0.5	ug/L	12/12/2002 08:05	
Toluene	ND	0.5	ug/L	12/12/2002 08:05	
Ethyl benzene	ND	0.5	ug/L	12/12/2002 08:05	
Xylene(s)	ND	0.5	ug/L	12/12/2002 08:05	
MTBE	ND	5.0	ug/L	12/12/2002 08:05	
<b>Surrogates(s)</b>					
Trifluorotoluene	71.6	58-124	%	12/12/2002 08:05	
4-Bromofluorobenzene-FID	71.4	50-150	%	12/12/2002 08:05	

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**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5030

Test(s): 8021B

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/11-01.05**

LCS 2002/12/11-01.05-002

Extracted: 12/11/2002

Analyzed: 12/11/2002 08:35

LCSD 2002/12/11-01.05-003

Extracted: 12/11/2002

Analyzed: 12/11/2002 09:07

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	94.3	87.1	100.0	94.3	87.1	7.9	77-123	20		
Toluene	92.5	86.2	100.0	92.5	86.2	7.1	78-122	20		
Ethyl benzene	93.8	86.0	100.0	93.8	86.0	8.7	70-130	20		
Xylene(s)	281	259	300	93.7	86.3	8.2	75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	416	380	500	83.2	76.0		58-124	0		

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**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

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Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/11-01.05**

LCS 2002/12/11-01.05-004

Extracted: 12/11/2002

Analyzed: 12/11/2002 09:39

LCSD 2002/12/11-01.05-005

Extracted: 12/11/2002

Analyzed: 12/11/2002 10:11

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	507	441	500	101.4	88.2	13.9	75-125	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene-FID	414	360	500	82.8	72.0		50-150	0		

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**Gas/BTEX Compounds by 8015M/8021**

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Attn.: Angus McGrath

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Lafayette, CA 94549-4321  
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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5035

Test(s): 8021B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/12/12-01.02**

LCS 2002/12/12-01.02-004

Extracted: 12/12/2002

Analyzed: 12/12/2002 09:16

LCSD 2002/12/12-01.02-005

Extracted: 12/12/2002

Analyzed: 12/12/2002 09:49

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.105	0.104	0.1000	105.0	104.0	1.0	77-123	35		
Toluene	0.104	0.102	0.1000	104.0	102.0	1.9	78-122	35		
Ethyl benzene	0.104	0.102	0.1000	104.0	102.0	1.9	70-130	35		
Xylene(s)	0.306	0.300	0.300	102.0	100.0	2.0	75-125	35		
<b>Surrogates(s)</b>										
Trifluorotoluene	367	354	500	73.4	70.8		53-125			

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**Gas/BTEX Compounds by 8015M/8021**

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Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302  
Project: Penske

Received: 12/06/2002 16:06  
Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5035

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/12/12-01.02**

LCS 2002/12/12-01.02-006

Extracted: 12/12/2002

Analyzed: 12/12/2002 10:22

LCSD 2002/12/12-01.02-008

Extracted: 12/12/2002

Analyzed: 12/12/2002 11:43

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.498	0.499	0.500	99.6	99.8	0.2	75-125	35		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene-FID	465	546	500	93.0	109.2		58-124			

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**Gas/BTEX Compounds by 8015M/8021**

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Attn.: Angus McGrath

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Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2002/12/12-01.05

LCS 2002/12/12-01.05-002

Extracted: 12/12/2002

Analyzed: 12/12/2002 08:37

LCSD 2002/12/12-01.05-003

Extracted: 12/12/2002

Analyzed: 12/12/2002 09:09

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	99.5	91.7	100.0	99.5	91.7	8.2	77-123	20		
Toluene	99.0	90.3	100.0	99.0	90.3	9.2	78-122	20		
Ethyl benzene	99.2	90.8	100.0	99.2	90.8	8.8	70-130	20		
Xylene(s)	296	273	300	98.7	91.0	8.1	75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	404	381	500	80.8	76.2		58-124	0		

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**Gas/BTEX Compounds by 8015M/8021**

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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/12-01.05**

LCS 2002/12/12-01.05-004

Extracted: 12/12/2002

Analyzed: 12/12/2002 09:42

LCSD 2002/12/12-01.05-005

Extracted: 12/12/2002

Analyzed: 12/12/2002 10:14

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Gasoline	520	528	500	104.0	105.6	1.5	75-125	20			
<i>Surrogates(s)</i>											
4-Bromofluorobenzene-FID	433	428	500	86.6	85.6		50-150	0			

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**Gas/BTEX Compounds by 8015M/8021**

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Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5035

Test(s): 8015M

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2002/12/12-01.02**

DRUM-A-D >> MS

Lab ID: 2002-12-0161 - 006

MS: 2002/12/12-01.02-009

Extracted: 12/12/2002

Analyzed: 12/12/2002 19:18

Dilution: 1.00

MSD: 2002/12/12-01.02-010

Extracted: 12/12/2002

Analyzed: 12/12/2002 19:51

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.192	0.195	ND	0.473	40.6	41.8	2.9	65-135	35	mso	mso
<i>Surrogate(s)</i>											
4-Bromofluorobenzene-FID	186	170		500	37.2	34.0		58-124	0	slm	slm

**Gas/BTEX Compounds by 8015M/8021**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 5035

Test(s): 8021B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2002/12/12-01.02**

DRUM-A-D >> MS

Lab ID: 2002-12-0161 - 006

MS: 2002/12/12-01.02-011

Extracted: 12/12/2002

Analyzed: 12/12/2002 20:24

Dilution: 1.00

MSD: 2002/12/12-01.02-012

Extracted: 12/12/2002

Analyzed: 12/12/2002 20:56

Dilution: 1.00

Compound	Conc. mg/Kg			Spk. Level	Recovery			Limits %		Flags	
	MS	MSD	Sample		mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	0.0392	0.0589	ND	0.0943	41.6	62.5	40.2	65-135	35	mso	mso, rpd
Toluene	0.0293	0.0459	ND	0.0943	31.1	48.7	44.1	65-135	35	mso	mso, rpd
Ethyl benzene	0.0247	0.0349	ND	0.0943	26.2	37.0	34.2	65-135	35	mso	mso, rpd
Xylene(s)	0.0719	0.100	ND	0.283	25.4	35.5	33.2	65-135	35	mso	mso, rpd
<i>Surrogate(s)</i>											
Trifluorotoluene	159	202		500	31.8	40.4		53-125	0	slm	slm

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12/17/2002 16:58

Gas/BTEX Compounds by 8015M/8021

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Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

---

Legend and Notes

---

Result Flag

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

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

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

sl Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

slm Surrogate recoveries were lower than QC limits due to matrix interference.

Diesel with Silica Gel Clean-up

SECOR- Lafayette  
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Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	12/05/2002 16:15	Water	1
MW-2	12/05/2002 12:50	Water	2
MW-4	12/05/2002 16:30	Water	3
MW-7	12/05/2002 15:15	Water	4
MW-8	12/05/2002 13:50	Water	5
DRUM-A-D	12/05/2002 13:30	Soil	6



**Diesel with Silica Gel Clean-up**

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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-1	Lab ID: 2002-12-0161 - 1
Sampled: 12/05/2002 16:15	Extracted: 12/9/2002 06:21
Matrix: Water	QC Batch#: 2002/12/09-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	17000	500	ug/L	10.00	12/11/2002 10:21	
<i>Surrogates(s)</i> o-Terphenyl	NA	60-130	%	10.00	12/11/2002 10:21	sd

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-2	Lab ID: 2002-12-0161 - 2
Sampled: 12/05/2002 12:50	Extracted: 12/9/2002 06:21
Matrix: Water	QC Batch#: 2002/12/09-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	57	50	ug/L	1.00	12/11/2002 09:41	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	59.2	60-130	%	1.00	12/11/2002 09:41	sl

**Diesel with Silica Gel Clean-up**

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Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 3510/8015M                      Test(s): 8015M  
Sample ID: MW-4                              Lab ID: 2002-12-0161 - 3  
Sampled: 12/05/2002 16:30                Extracted: 12/9/2002 06:21  
Matrix: Water                                  QC Batch#: 2002/12/09-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1500	50	ug/L	1.00	12/10/2002 19:28	ndp
<i>Surrogates(s)</i> o-Terphenyl	83.5	60-130	%	1.00	12/10/2002 19:28	

**Diesel with Silica Gel Clean-up**

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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 3510/8015M                      Test(s): 8015M  
Sample ID: MW-7                              Lab ID: 2002-12-0161 - 4  
Sampled: 12/05/2002 15:15                Extracted: 12/9/2002 06:21  
Matrix: Water                                 QC Batch#: 2002/12/09-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	9100	50	ug/L	1.00	12/10/2002 20:08	ndp
<b>Surrogates(s)</b> o-Terphenyl	103.7	60-130	%	1.00	12/10/2002 20:08	

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 3510/8015M                      Test(s): 8015M  
Sample ID: MW-8                              Lab ID: 2002-12-0161 - 5  
Sampled: 12/05/2002 13:50                      Extracted: 12/9/2002 06:21  
Matrix: Water                                      QC Batch#: 2002/12/09-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	97	50	ug/L	1.00	12/10/2002 17:29	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	89.5	60-130	%	1.00	12/10/2002 17:29	

**Diesel with Silica Gel Clean-up**

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Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: DRUM-A-D                      Lab ID: 2002-12-0161 - 6  
Sampled: 12/05/2002 13:30              Extracted: 12/9/2002 09:57  
Matrix: Soil                                  QC Batch#: 2002/12/09-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2400	100	mg/Kg	100.00	12/13/2002 13:59	ndp
<i>Surrogates(s)</i> o-Terphenyl	NA	60-130	%	100.00	12/13/2002 13:59	sd

**Diesel with Silica Gel Clean-up**

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Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank

Water

QC Batch # 2002/12/09-02.10

MB: 2002/12/09-02.10-001

Date Extracted: 12/09/2002 06:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/09/2002 15:35	
<b>Surrogates(s)</b> o-Terphenyl	72.1	60-130	%	12/09/2002 15:35	

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12/13/2002 17:03

**Diesel with Silica Gel Clean-up**

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Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302  
Project: Penske

Received: 12/06/2002 16:06  
Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 3550/8015M  
Method Blank

Soil

Test(s): 8015M  
QC Batch # 2002/12/09-05.10

MB: 2002/12/09-05.10-001

Date Extracted: 12/09/2002 09:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	12/10/2002 08:48	
<b>Surrogates(s)</b> o-Terphenyl	81.7	60-130	%	12/10/2002 08:48	



**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2002/12/09-02.10**

LCS 2002/12/09-02.10-002

Extracted: 12/09/2002

Analyzed: 12/09/2002 10:50

LCSD 2002/12/09-02.10-003

Extracted: 12/09/2002

Analyzed: 12/09/2002 14:54

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	1160	1290	1250	92.8	103.2	10.6	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	16.6	18.1	20.0	83.0	90.4		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

12/13/2002 17:03

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06  
Site: 725 Julie Ann Way  
Oakland, CA

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/12/09-05.10**

LCS 2002/12/09-05.10-002

Extracted: 12/09/2002

Analyzed: 12/10/2002 07:33

LCSD 2002/12/09-05.10-003

Extracted: 12/09/2002

Analyzed: 12/10/2002 08:10

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	40.3	39.7	41.5	97.1	95.7	1.5	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	20.2	19.6	20.0	101.0	98.1		60-130	0		

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12/13/2002 17:03

**Diesel with Silica Gel Clean-up**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske

Received: 12/06/2002 16:06

Site: 725 Julie Ann Way  
Oakland, CA

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**Legend and Notes**

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**Result Flag**

- ndp Hydrocarbon reported does not match the pattern of our Diesel standard
- sd Surrogate recovery not reportable due to required dilution.
- sl Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

**Misc Anions by Ion Chromatograph**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
OW-1	12/05/2002 09:55	Water	1
OW-2	12/05/2002 10:35	Water	2

Misc Anions by Ion Chromatograph

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

Prep(s): 9056	Test(s): 9056
Sample ID: OW-1	Lab ID: 2002-12-0118 - 1
Sampled: 12/05/2002 09:55	Extracted: 12/6/2002 00:00
Matrix: Water	QC Batch#: 2002/12/06-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	12/06/2002	
Sulfate	14	1.0	mg/L	1.00	12/06/2002	

**Misc Anions by Ion Chromatograph**

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

Prep(s):	9056	Test(s):	9056
Sample ID:	OW-2	Lab ID:	2002-12-0118 - 2
Sampled:	12/05/2002 10:35	Extracted:	12/6/2002 00:00
Matrix:	Water	QC Batch#:	2002/12/06-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	12/06/2002	
Sulfate	8.1	1.0	mg/L	1.00	12/06/2002	

Misc Anions by Ion Chromatograph

SECOR- Lafayette  
Attn.: Angus McGrath

57 Lafayette Circle, 2nd Floor  
Lafayette, CA 94549-4321  
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: Penske Oakland

Received: 12/05/2002 18:05

**Batch QC Report**

Prep(s): 9056  
Method Blank  
MB: 2002/12/06-01.41-001

Water

Test(s): 9056  
QC Batch # 2002/12/06-01.41  
Date Extracted: 12/06/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	12/06/2002	
Sulfate	ND	1.0	mg/L	12/06/2002	