

**RESULTS OF QUARTERLY
GROUNDWATER MONITORING
FEBRUARY 1995
FORMER PENSKE TRUCK
LEASING CO. FACILITY
725 JULIE ANN WAY
OAKLAND, CALIFORNIA**

April 1995

Prepared by

Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
(510) 233-3200

ENVIRONMENTAL
PROTECTION
95 MAY 30 PM 1:15

May 24, 1995
Project No. RC0019.009

Mr. Barney Chan
Division of Hazardous Materials
Department of Environmental Health
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502

*Why wasn't gw elevations + analysis
in MW-8 measured?*

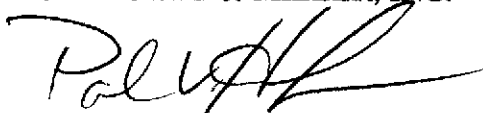
SUBJECT: Results of Quarterly Groundwater Monitoring, February 1995
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California.

Dear Mr. Chan:

The above referenced report is being forwarded to you at the request of Penske Truck Leasing Co. The report details the results of the quarterly groundwater monitoring well sampling for February 1995 at the former Penske Truck Leasing Facility at 725 Julie Ann Way, Oakland. Please note that groundwater sampling at this former facility is being completed by Penske's sampling subcontractor, Handex of Colorado, while the quarterly groundwater sampling reports continue to be prepared by Geraghty & Miller, Inc. The quarterly sampling has been completed in response to the requirements for groundwater sampling contained in the Alameda County Health Care Services, Department of Environmental Health letter to Penske dated October 24, 1989.

If you have any questions, please do not hesitate to call.

Sincerely,
GERAGHTY & MILLER, INC.



Paul V. Hehn
Project Geologist/Project Manager

Attachment: Results of Quarterly Groundwater Monitoring, November 1994

cc: Mr. Richard G. Saut
Penske Truck Leasing Co.

Environmental
Department
MAY 20 PM 1:15





Via Facsimile (510) 233-3204

May 23, 1995

**Mr. Paul Hehn
Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804**

**Re: Quarterly Monitoring Report
Penske Truck Leasing Facility No. 0687-10
725 Julie Ann Way
Oakland, CA**

Dear Paul:

I have received and approve the above referenced report for release. Please distribute copies of the report to the appropriate regulatory agencies as needed.

If you have questions or need assistance, please call my office at (610) 775-6010.

Sincerely,

A handwritten signature in cursive script that reads "Richard G. Saut".

**Richard G. Saut
Environmental Project Manager**

**RGS:js
cc: M. Althen
11052395.rgs**

April 17, 1995
Project No. RC0019.009

Mr. Richard G. Saut
Manager, Environmental Projects
Penske Truck Leasing Co.
Route 10, Green Hills
P.O. Box 563
Reading, PA 19603

SUBJECT: Results of Quarterly Groundwater Monitoring, February 1995
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California.

Dear Mr. Saut:

This report presents the results of the quarterly groundwater monitoring performed on February 21, 1995, at the former Penske Truck Leasing Co. (Penske) facility referenced above (Figure 1). The scope of work for this project was presented to Penske in a Geraghty & Miller, Inc. (Geraghty & Miller) letter dated January 25, 1995. The scope of work includes the coordination of sampling activities for this former facility with Handex of Colorado (Handex), Penske's sampling subcontractor. The scope of work also includes the preparation of quarterly groundwater sampling and monitoring reports based on the data and groundwater samples collected by Handex. This quarterly groundwater sampling and monitoring program is related to the non-attainment zone (NAZ) remedial approach approved by the Alameda County Health Care Services Agency (ACHCSA) and the California Regional Water Quality Control Board - San Francisco Bay Region (RWQCB).

FIELD PROCEDURES

The quarterly groundwater monitoring was performed on February 21, 1995, by a representative of Handex. In accordance with the NAZ approach monitoring and sampling plan, monitoring was completed and groundwater samples were collected from Monitor Wells MW-1 through MW-5, and MW-7. The monitor-well locations are shown in Figure 2.

Prior to sampling, depth-to-water and total-well-depth measurements were obtained from each well. Additionally, the wells were checked for the presence of liquid-phase hydrocarbons. Liquid-phase hydrocarbons were not observed in any of the wells during this



monitoring event. Each well sampled was purged of approximately three volumes of water using a 1-inch diaphragm pump unless the well went dry during purging. All equipment that entered the well was washed in a solution of nonphosphate detergent and water and then triple rinsed in deionized water prior to sampling each well. Purged water was monitored for pH, temperature, and specific conductance. A summary of the field data is presented in Table 1. Following purging, groundwater samples were collected using a disposable polyethylene bailer, with a new bailer used for each well. The purged water was stored in 55-gallon drums and retained onsite for subsequent disposal by Penske.

A trip blank, consisting of a sample vial containing laboratory-grade water, accompanied the sample vials from the laboratory to the site and back to the laboratory, and was also submitted for analysis. The purpose of the trip blank is to assess whether any of the compounds analyzed for may have been imparted to the samples by air in the vicinity of the sample bottles during shipping, by the sample container, by the preservative, or by other exogenous sources.

Groundwater samples were put into the appropriate USEPA-approved containers, placed on ice, and transported to Superior Precision Analytical, Inc., in Martinez, California, along with appropriate chain-of-custody documentation. The water samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (USEPA Method 8015, modified), for TPH as diesel (USEPA Method 8015, modified), for benzene, toluene, ethylbenzene, and total xylenes (BTEX) (USEPA Method 8020), and for total dissolved solids (USEPA Method 160.1).

RESULTS

SHALLOW GROUNDWATER FLOW

A summary of the depth-to-water data is presented in Table 1. Depth to water ranged from 4.90 feet (Monitor Well MW-5) to 6.36 feet (Monitor Well MW-3) below the ground surface. A contour map based on the groundwater elevation data collected February 21, 1995, is presented in Figure 2. The historic shallow groundwater flow is toward the west; however, there are local variations in flow directions at the facility, as indicated by the groundwater contours from the data collected on February 21, 1995.

The difference in the elevation of the groundwater surface between Wells MW-2 and MW-4 is 0.18 feet, producing a hydraulic gradient (slope of the groundwater surface) of approximately 0.0019 foot/foot in a westerly direction.



GROUNDWATER ANALYTICAL RESULTS

A summary of the groundwater analytical results is presented in Table 2. Copies of the certified laboratory reports and chain-of-custody documentation are included in Attachment 1. TPH as gasoline was detected in the groundwater sample collected from Monitor Well MW-4 (91 micrograms per liter [$\mu\text{g/L}$]) and MW-7 (93 $\mu\text{g/L}$). TPH as diesel was detected in the groundwater samples collected from Monitor Wells MW-1 (4,200 $\mu\text{g/L}$), MW-4 (680 $\mu\text{g/L}$), MW-5 (170 $\mu\text{g/L}$), and MW-7 (1,400 $\mu\text{g/L}$). Benzene was detected in the groundwater samples collected from Monitor Wells MW-4 (23 $\mu\text{g/L}$) and MW-7 (0.6 $\mu\text{g/L}$). All other BTEX constituent results are presented in Table 2. TPH as gasoline and BTEX were not detected in the trip blank. Analysis of total dissolved solids in the groundwater samples detected concentrations ranging from 3,800 milligrams per liter (mg/L) from Monitor Well MW-5 to 7,100 mg/L from Monitor Well MW-4 (Table 2).

FIELD PARAMETERS

As in all previous quarterly sampling events at this facility, the specific conductance measurements for the groundwater purged during the sampling continue to be high (Table 1). High concentrations of total dissolved solids were detected in the groundwater laboratory samples (Table 2).

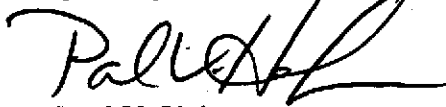
COMPLIANCE WITH NON-ATTAINMENT ZONE APPROACH

Concentrations of benzene in the designated NAZ guard wells (MW-3, MW-5, and MW-7) for this former facility were extremely low on February 21, 1995. Two wells were below the detection limit, and Monitor Well MW-7 contained 0.6 $\mu\text{g/L}$ benzene. These results are far below the compliance level for benzene (21 $\mu\text{g/L}$). This compliance level for benzene was agreed to by both the ACHCSA and the RWQCB as part of the NAZ approach for this former Penske facility. The compliance levels have been met, even though the highest groundwater elevations recorded for the site since recent groundwater monitoring began in October 1990 were experienced during this quarter.

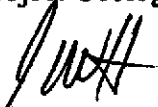


Geraghty & Miller appreciates the opportunity to be of service to Penske. If you have any questions regarding this report, please do not hesitate to call us.

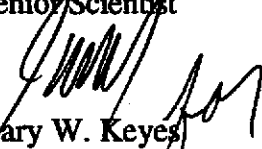
Sincerely,
GERAGHTY & MILLER, INC.



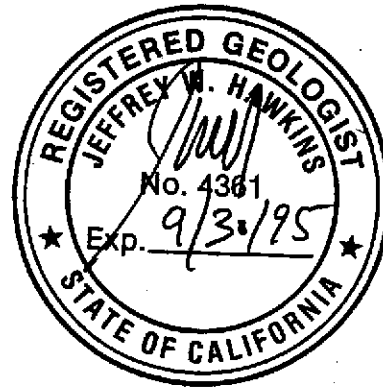
Paul V. Hehn
Project Geologist/Project Manager



Jeffrey W. Hawkins, R.G.
Senior Scientist



Gary W. Keyes
Principal Engineer/Associate
Richmond, California Office Manager



Attachments: References

- | | |
|--------------|--|
| Table 1 | Summary of Field Sampling, Depth-to-Water, and Casing Elevation Data |
| Table 2 | Summary of Groundwater Analytical Results – Monthly and Quarterly Sampling |
| Figure 1 | Site Location Map |
| Figure 2 | Shallow Groundwater Contours |
| Figure 2 | Benzene Concentrations |
| Attachment 1 | Copies of Field Data Sheets from Handex of Colorado, Inc. |
| Attachment 2 | Copies of Certified Laboratory Reports and Chain-of-Custody Documentation |



REFERENCES

Geraghty & Miller, Inc. November 15, 1990. Results of Initial Soil and Ground-Water Assessment Activities, Former Penske Truck Leasing Co. Facility, 725 Julie Ann Way, Oakland, California.

———. February 7, 1991. Scope of Work and Project Budget Estimate for Ground-Water Monitoring Activities for the Period February 1991 through February 1992, Former Penske Truck Leasing Co. Facility, 725 Julie Ann Way, Oakland, California.

———. January 25, 1995. Work Plan and Budget Cost Estimate for Groundwater Sampling Coordination, Quarterly Report Preparation, and Purge Water Disposal Assistance, Former Penske Truck Leasing Co. Facility, 725 Julie Ann Way, Oakland, California.



Table 1: Summary of Field Sampling, Depth-to-Water, and Casing Elevation Data
 Former Penske Truck Leasing Facility,
 725 Julie Ann Way, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet)	Top of Water Elevation (feet)	Measured Depth of Well (a) (feet)	Calculated Purge Volume (b) (gallons)	Actual Purge Volume (gallons)	Field Measurements			Casing Diameter (inches)
								pH	Temp. (°F)	SC (µS/cm)	
MW-1	2-Oct-90	9.76	5.42	-4.34	37.28	58.56	47	6.71	87.5	5,280	4
	28-Feb-91	8.54	5.42	-3.12	33.58	65.00	70	6.30	66.0	9,700	
	25-Mar-91	7.35	5.42	-1.93	33.50	71.00	75	6.50	64.0	7,200	
	1-May-91	7.91	5.42	-2.49	33.70	67.00	51	6.20	65.0	3,500	
	5-Aug-91	8.63	5.42	-3.21	NM	51.00	68	NM	63.6	7,690	
	23-Oct-91	9.00	5.42	-3.58	33.77	67.00	67	9.40	64.2	7,470	
	6-Jan-92	8.52	5.42	-3.10	33.87	65.00	69	9.40	63.2	6,640	
	20-Jul-92	7.94	5.42	-2.52	33.95	65.02	66	7.20	65.7	6,410	
	23-Oct-92	8.62	5.42	-3.20	33.57	64.80	60	7.50	69.8	1,930	
	4-Feb-93	6.55	5.43 (c)	-1.12	33.84	70.96	71	8.02	65.0	9,520	
	8-Apr-93	6.37	5.43	-0.94	33.80	71.32	65	6.60	66.7	>2,000	
	6-Aug-93	7.39	5.43	-1.96	33.88	68.67	69	7.22	68.1	5,890	
	28-Oct-93	7.85	5.43	-2.42	33.80	67.48	68	7.00	68.3	5,910	
	1-Feb-94	7.25	5.43	-1.82	33.99	69.52	70	7.63	63.2	7,610	
	12-Sep-94	6.75	5.43	-1.32	33.95	70.72	70	6.90	75.8	7,950	
	23-Nov-94	6.13	5.43	-0.70	33.93	72.28	73	6.10	66.2	>2,000	
21-Feb-95	6.00	5.43	-0.57	34.00	55.44	56	7.36	70	890		
MW-2	2-Oct-90	10.38	6.21	-4.17	32.97	48.07	47	6.92	86.4	5,460	4
	28-Feb-91	9.19	6.21	-2.98	29.39	53.00	55	6.60	64.0	9,000	
	25-Mar-91	7.95	6.21	-1.74	29.39	57.00	70	6.60	63.0	6,400	
	1-May-91	8.58	6.21	-2.37	29.60	55.00	50	6.20	64.0	3,000	
	5-Aug-91	9.33	6.21	-3.12	NM	40.00	54	NM	65.1	5,680	
	23-Oct-91	9.57	6.21	-3.36	29.35	52.00	53	7.60	65.4	7,970	
	6-Jan-92	9.08	6.21	-2.87	29.50	53.00	53	9.18	62.8	6,990	
	20-Jul-92	8.60	6.21	-2.39	29.45	54.21	55	6.50	65.2	6,690	
	23-Oct-92	9.33	6.21	-3.12	29.18	51.60	55	7.20	69.8	1,900	
	4-Feb-93	7.17	6.20 (c)	-0.97	29.37	57.72	55	8.25	64.0	10,310	
	8-Apr-93	6.95	6.20	-0.75	29.32	58.16	60	6.90	66.7	>2,000	
	6-Aug-93	8.05	6.20	-1.85	29.33	55.33	66.5	7.26	66.4	6,250	
	28-Oct-93	8.50	6.20	-2.30	29.43	54.40	55	7.08	71.2	6,780	
	1-Feb-94	7.87	6.20	-1.67	29.54	56.32	57	8.35	62.4	8,250	
	12-Sep-94	7.42	6.20	-1.22	29.45	57.24	66	(e)	69.9	8,130	
	22-Nov-94	6.75	6.20	-0.55	29.50	59.15	60	6.8	67.6	>2,000	
21-Feb-95	6.20	6.20	0.00	30.00	47.12	48	6.97	64	1,050		



Table 1: Summary of Field Sampling, Depth-to-Water, and Casing Elevation Data
 Former Penske Truck Leasing Facility,
 725 Julie Ann Way, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet)	Top of Water Elevation (feet)	Measured Depth of Well (a) (feet)	Calculated Purge Volume (b) (gallons)	Actual Purge Volume (gallons)	Field Measurements			Casing Diameter (inches)
								pH	Temp. (°F)	SC (µS/cm)	
MW-3	2-Oct-90	10.38	6.10	-4.28	37.08	56.82	54	6.89	88.4	639	4
	28-Feb-91	9.45	6.10	-3.35	31.61	58.00	60	6.10	66.0	1,020	
	25-Mar-91	7.98	6.10	-1.88	31.60	70.00	75	6.40	65.0	8,200	
	1-May-91	8.58	6.10	-2.48	33.70	65.00	50	6.40	67.0	4,100	
	5-Aug-91	9.26	6.10	-3.16	NM	50.00	67	NM	64.1	6,190	
	23-Oct-91	9.60	6.10	-3.50	33.48	66.00	66	7.30	67.3	8,430	
	6-Jan-92	9.08	6.10	-2.98	33.66	64.00	64	9.98	61.7	7,010	
	20-Jul-92	8.59	6.10	-2.49	33.76	65.44	66	6.80	66.0	7,540	
	23-Oct-92	9.30	6.10	-3.20	33.47	63.40	65	7.50	71.6	1,800	
	4-Feb-93	7.19	6.10 (c)	-1.09	33.65	68.79	65	8.29	64.0	10,290	
	8-Apr-93	6.98	6.10	-0.88	33.55	69.08	72	6.90	68.2	>2,000	
	6-Aug-93	8.01	6.10	-1.91	33.55	66.40	56 (d)	7.43	67.3	6,490	
	28-Oct-93	8.45	6.10	-2.35	33.60	65.40	66	7.02	72.0	6,590	
	1-Feb-94	8.03	6.10	-1.93	33.74	66.84	67	8.32	63.3	8,400	
	12-Sep-94	7.39	6.10	-1.29	33.70	68.40	70	7.73	68.7	8,030	
22-Nov-94	6.76	6.10	-0.66	33.75	70.17	70	6.60	65.8	>2,000		
21-Feb-95	6.36	6.10	-0.26	33.50	53.74	54	6.99	85.4	880		
MW-4	4-Feb-93	6.68	5.18 (c)	-1.50	32.70	64.38	60 (d)	NM	63.5	14,100	4
	8-Apr-93	6.21	5.18	-1.03	33.04	69.76	70	6.80	69.1	>2,000	
	6-Aug-93	7.20	5.18	-2.02	32.92	66.87	60 (d)	7.44	68.9	13,900	
	28-Oct-93	7.64	5.18	-2.46	32.98	65.88	66	6.79	72.1	11,940	
	1-Feb-94	7.26	5.18	-2.08	33.31	67.72	68	8.65	63.6	18,110	
	12-Sep-94	6.55	5.18	-1.37	33.41	69.84	60 (d)	6.03	77.5	16,710	
	23-Nov-94	6.08	5.18	-0.90	33.35	70.90	55 (d)	5.60	66.7	>2,000	
	21-Feb-95	5.36	5.18	-0.18	33.50	55.71	48 (d)	6.83	80.2	880	
MW-5	4-Feb-93	8.94	4.71 (c)	-4.23	31.40	61.65	40 (d)	8.43	63.2	16,870	4
	8-Apr-93	5.43	4.71	-0.72	31.36	67.42	68	7.20	68.0	>2,000	
	6-Aug-93	6.19	4.71	-1.48	31.30	65.29	68	7.47	63.6	5,180	
	28-Oct-93	6.86	4.71	-2.15	31.43	62.72	48 (d)	7.12	70.6	4,980	
	1-Feb-94	6.48	4.71	-1.77	31.43	64.84	49 (d)	(e)	63.1	6,120	
	12-Sep-94	5.89	4.71	-1.18	31.43	66.40	39 (d)	(e)	69.4	5,020	
	22-Nov-94	5.66	4.71	-0.95	31.44	67.02	58 (d)	6.80	68.4	>2,000	
	21-Feb-95	4.90	4.71	-0.19	31.00	51.68	45 (d)	7.30	82.5	880	



Table 1: Summary of Field Sampling, Depth-to-Water, and Casing Elevation Data
Former Penske Truck Leasing Facility,
725 Julie Ann Way, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet)	Top of Water Measured Elevation (feet)	Depth of Well (a) (feet)	Calculated Purge Volume (b) (gallons)	Actual Purge Volume (gallons)	Field Measurements			Casing Diameter (inches)
								pH	Temp. (°F)	SC (µS/cm)	
MW-6	12-Sep-94	6.56	5.37	-1.19	24.85	47.55	41 (d)	(e)	71.2	12,970	4
	22-Nov-94	6.04	5.37	-0.67	24.88	48.98	50	6.70	66.4	>2,000	
	21-Feb-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	12-Sep-94	6.16	5.38	-0.78	28.51	58.08	60	6.65	73.5	7,920	4
	23-Nov-94	5.61	5.38	-0.23	28.46	59.40	60	6.00	64.6	>2,000	
	21-Feb-95	5.25	5.38	0.13	28.30	45.64	46	7.46	69.5	910	
MW-8	12-Sep-94	6.46	5.44	-1.02	25.15	48.56	55	(e)	(e)	11,400	4
	23-Nov-94	6.01	5.44	-0.57	25.66	78.60	75	5.60	61.5	>2,000	
	21-Feb-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	

- (a) Measured from top of PVC casing.
- (b) Based on four casing volumes.
- (c) All well elevations resurveyed to site benchmark on February 10, 1993.
- (d) Well went dry during purging.
- (e) No reading - instrument malfunction.

SC Specific Conductance
 (µS/cm) Microsiemens per centimeter
 NM Not measured
 NS Well not sampled or monitored during this quarterly event.

All elevations are measured relative to a site benchmark (elevation 6.62') based on the City of Oakland datum which is 3 feet higher than mean sea level.



Table 2: Summary of Groundwater Analytical Results - Monthly and Quarterly Sampling

Former Penske Truck Leasing Facility,
725 Julie Ann Way, Oakland, California.

Well	Date	TPH		Benzene (b)	Toluene (b)	Ethyl- benzene (b)	Xylenes (b)	Total Dissolved Solids (c)
		Gasoline (a)	Diesel (a)					
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)
MW-1	2-Oct-90	170	2,900	20	18	1.9	5.7	--
	28-Feb-91	260	550	43	1	7	1	--
	25-Mar-91	73	160	10	ND(<0.3)	0.5	ND(<0.3)	--
	1-May-91	ND(<50)	(d)	2.2	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	5-Aug-91	310	330	22	5.5	9.5	23	--
	23-Oct-91	440	1,800	23	21	6.2	35	--
	6-Jan-92	430	1,600	56	8.4	18	22	--
	20-Jul-92	ND(<50)	25,000	0.4	0.8	1	2.1	--
	23-Oct-92	280	6,500	9.3	13	8.2	15	--
	4-Feb-93	68 (f)	320	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	8-Apr-93	180	7,800	0.5	2.1	0.8	13	--
	6-Aug-93	740	17,000	75	100	25	130	3,500
	28-Oct-93	140	7,600	4.7	1.9	3.2	5.4	3,500
	1-Feb-94	430	10,000	8.2	1.1	3.5	4.8	3,800
	12-Sep-94	230	22,000	0.7	1.7	2.0	3.7	4,000
23-Nov-94	ND(<50)	1,700	ND(<0.5)	ND(<0.5)	ND(<0.5)	0.6	3,600	
21-Feb-95	ND(<50)	4,200	ND(<0.5)	ND(<0.5)	0.8	0.6	4,200	
MW-2	2-Oct-90	ND(<50)	80	0.4	ND(<0.3)	ND(<0.3)	0.5	--
	28-Feb-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	25-Mar-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	1-May-91	ND(<50)	(d)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	5-Aug-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	23-Oct-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	6-Jan-92	11,000	1200 (e)	ND(<0.3)	83	82	940	--
	20-Jul-92	73	120	1.7	3.3	1.1	9.6	--
	23-Oct-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	0.5	--
	4-Feb-93	ND(<50)	330 (e)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	8-Apr-93	150	74 (h)	1	2.1	1	13.0	--
	6-Aug-93	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	990
	28-Oct-93	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	1,500
	1-Feb-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2,000
	12-Sep-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2,100
22-Nov-94	ND(<50)	51 (h)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2,400	
21-Feb-95	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	5,700	



Table 2: Summary of Groundwater Analytical Results - Monthly and Quarterly Sampling

Former Penske Truck Leasing Facility,
725 Julie Ann Way, Oakland, California.

Well	Date	TPH	TPH	Benzene (b) (µg/L)	Toluene (b) (µg/L)	Ethyl- benzene (b) (µg/L)	Xylenes (b) (µg/L)	Total Dissolved Solids (c) (mg/L)
		Gasoline (a) (µg/L)	Diesel (a) (µg/L)					
MW-3	2-Oct-90	ND(<50)	90	28	3.1	0.6	1.5	--
	28-Feb-91	ND(<50)	ND(<50)	6	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	25-Mar-91	ND(<50)	ND(<50)	0.6	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	1-May-91	ND(<50)	(d)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	5-Aug-91	ND(<50)	ND(<50)	1.7	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	23-Oct-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	6-Jan-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	20-Jul-92	66	ND(<50)	1.1	2.2	0.7	6.4	--
	23-Oct-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	4-Feb-93	270	ND(<100)(g)	9.8	4.6	4.5	8.7	--
	8-Apr-93	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	--
	6-Aug-93	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	3,400
	28-Oct-93	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	2,700
	1-Feb-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	3,400
	12-Sep-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	3,500
22-Nov-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	3,400	
21-Feb-95	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	4,200	
MW-4	4-Feb-93	58 (f)	450	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	8-Apr-93	74	220	19	0.4	ND(<0.3)	ND(<0.9)	--
	6-Aug-93	95	ND(<50)	68	0.9	1.1	ND(<0.9)	5,800
	28-Oct-93	160	600	46	0.7	1.6	1.2	5,200
	1-Feb-94	320	160	290	0.6	6.7	3.2	6,200
	12-Sep-94	390	95	120	3.9	14.0	14.0	6,000
	23-Nov-94	100	1,800	9.9	0.7	1.6	3.8	5,600
21-Feb-95	91	680	23	ND(<0.5)	1.0	ND(<0.5)	7,100	
MW-5	4-Feb-93	ND(<50)	240	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	--
	8-Apr-93	ND(<50)	480	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	--
	6-Aug-93	ND(<50)	120	0.8	ND(<0.3)	ND(<0.3)	ND(<0.9)	2,800
	28-Oct-93	ND(<50)	370	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	2,400
	1-Feb-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2,500
	12-Sep-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2,600
	22-Nov-94	ND(<50)	160	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2,600
	21-Feb-95	ND(<50)	170	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	3,800



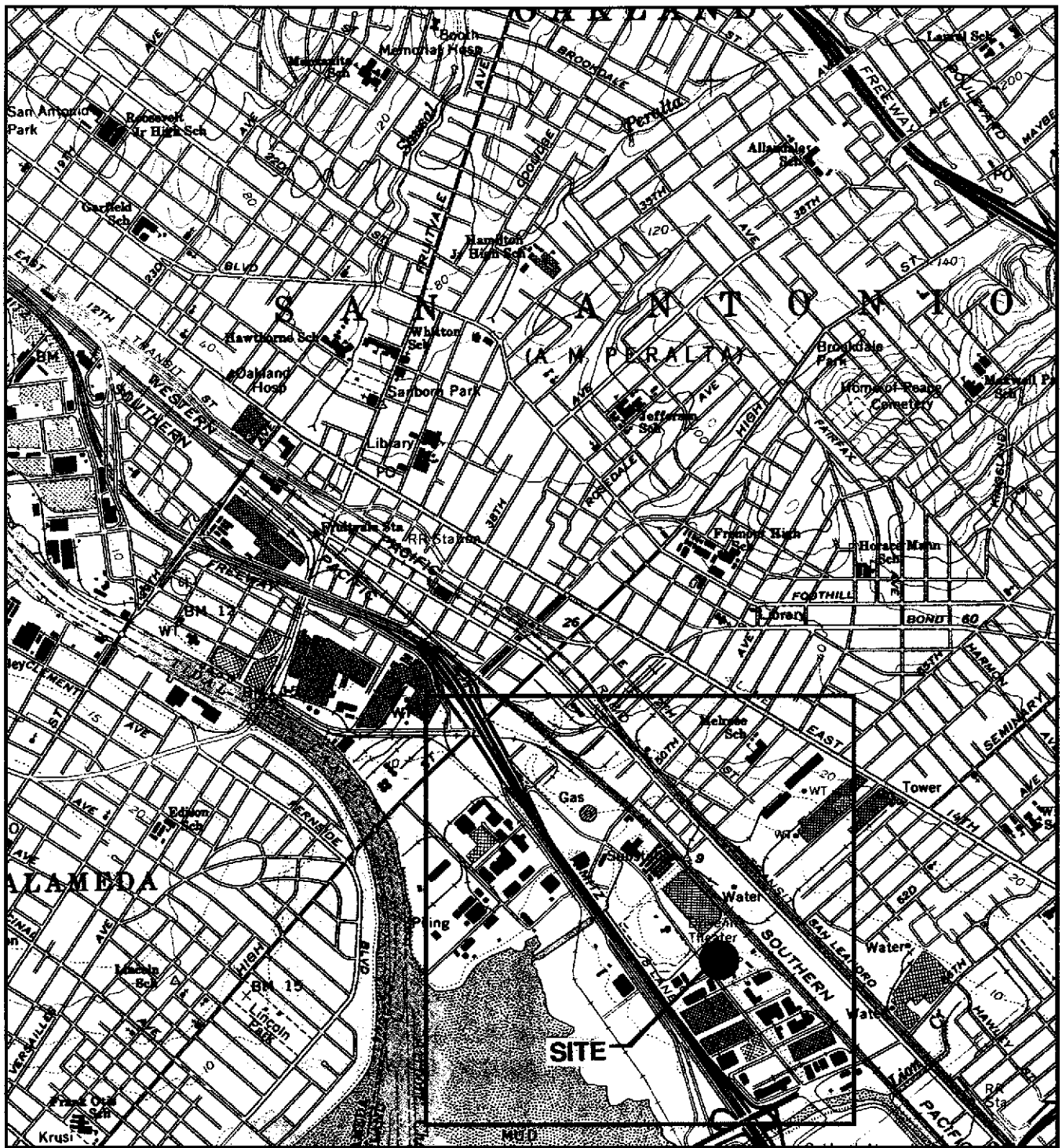
Table 2: Summary of Groundwater Analytical Results - Monthly and Quarterly Sampling
Former Penske Truck Leasing Facility,
725 Julie Ann Way, Oakland, California.

Well	Date	TPH	TPH	Benzene (b) (µg/L)	Toluene (b) (µg/L)	Ethyl- benzene (b) (µg/L)	Xylenes (b) (µg/L)	Total Dissolved Solids (c) (mg/L)
		Gasoline (a) (µg/L)	Diesel (a) (µg/L)					
MW-6	12-Sep-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	560
	22-Nov-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	1.5	1,800
	21-Feb-95	NS	NS	NS	NS	NS	NS	NS
MW-7	12-Sep-94	160	620	2.7	1.3	ND(<0.5)	2.1	1,100
	23-Nov-94	ND(<50)	150	2.4	ND(<0.5)	ND(<0.5)	ND(<0.5)	3,600
	21-Feb-95	93	1,400	0.6	0.8	0.8	3.3	4,000
MW-8	12-Sep-94	170	850	2.7	0.5	ND(<0.5)	2.0	5,500
	23-Nov-94	ND(<50)	570	1.5	ND(<0.5)	ND(<0.5)	ND(<0.5)	6,300
	21-Feb-95	NS	NS	NS	NS	NS	NS	NS
Trip Blank	21-Feb-95	ND(<50)	--	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	--

- (a) Analyzed by USEPA Method 8015, modified.
- (b) Analyzed by USEPA Method 8020.
- (c) Analyzed by USEPA Method 160.1.
- (d) No results - sample for TPH as diesel not collected.
- (e) Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.
- (f) Does not match typical gasoline pattern. Pattern of peaks observed in the chromatograms is indicative of hydrocarbons heavier than gasoline.
- (g) Detection limit increased due to insufficient sample amount.
- (h) Diesel range concentration reported. The chromatogram shows only a single peak in the diesel range.
- () Reported detection limit
- Not analyzed
- ND Not detected
- µg/L Micrograms per liter
- mg/L Milligrams per liter
- NS Well not sampled or monitored during this quarterly event.

Analysis by Superior Precision Analytical, Inc., Martinez, California.





Reference: USGS Oakland East, California 7¹/₂° Quadrangle
 Scale 1 : 24,000



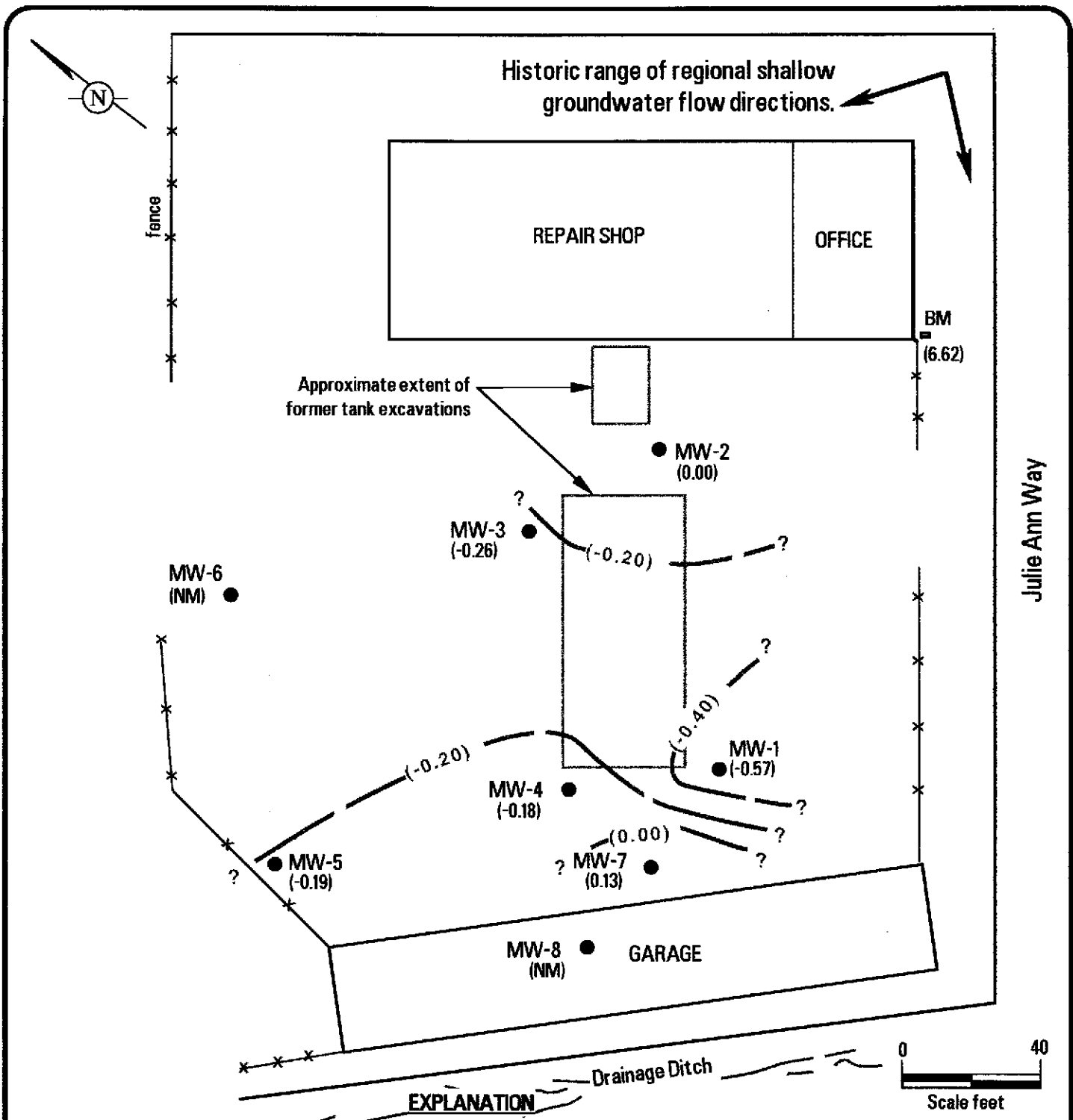
A Heidemij Company

Project No. RC0019.000

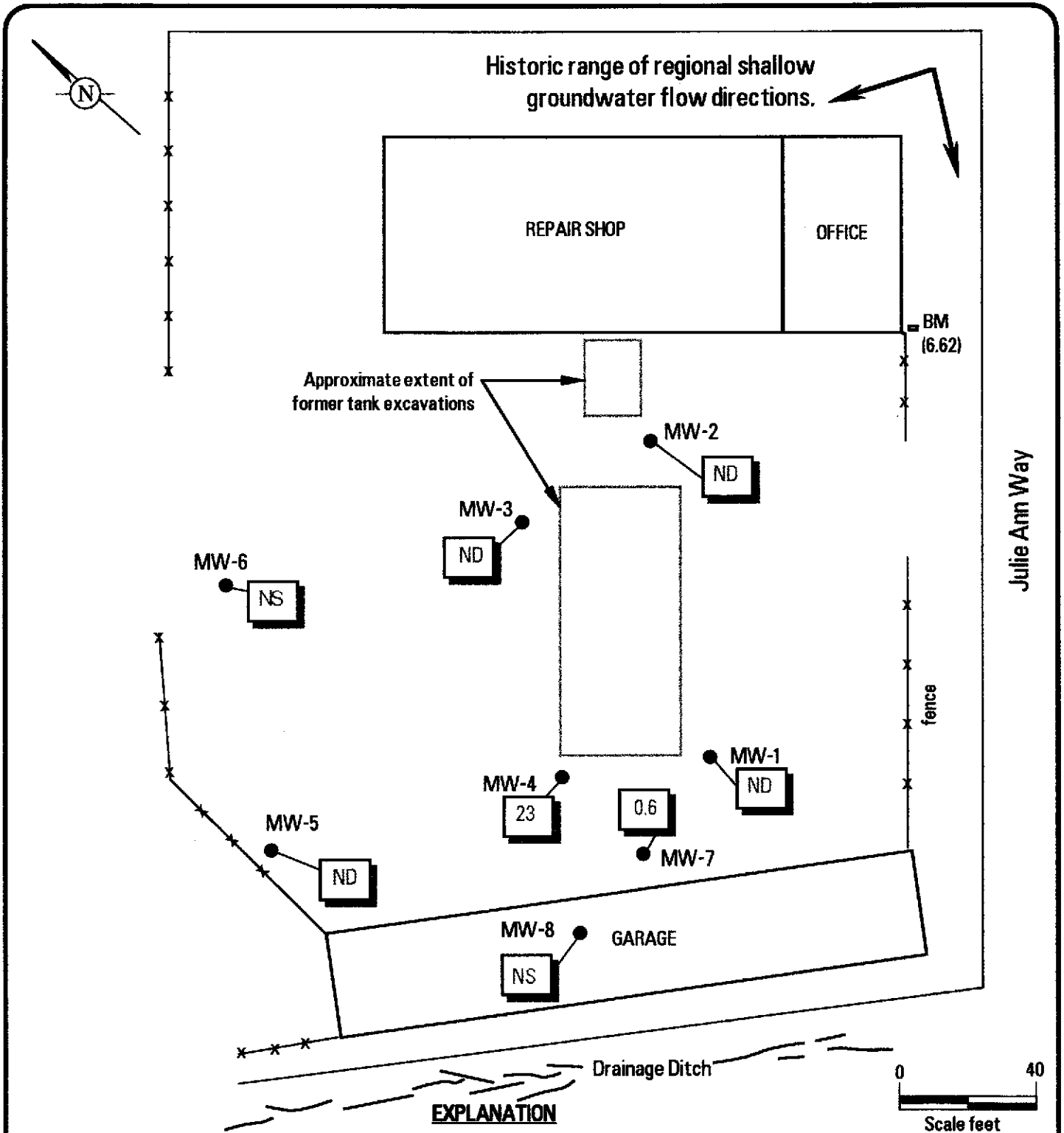
SITE LOCATION MAP
 Former Penske Truck Leasing Co. Facility
 725 Julie Ann Way
 Oakland, California

FIGURE

1



- EXPLANATION**
- MW-1 ● Approximate location of existing groundwater monitor wells.
 - BM Survey Bench Mark (based on City of Oakland datum which is 3 feet lower than Mean Sea Level).
 - (-0.57) Groundwater elevation (feet) relative to benchmark, measured February 21, 1995
 - (-0.20) Groundwater elevation contour (feet); dashed where inferred (contour interval equals 0.2 feet).
 - (NM) Well not sampled or monitored during this quarterly event.



EXPLANATION

- MW-1 ● Approximate location of existing groundwater monitor wells.
- = BM Survey Bench Mark (based on City of Oakland datum which is 3 feet lower than Mean Sea Level).
- 2.4 Benzene concentrations (in µg/L) from groundwater samples collected February 21, 1995.
- NS Well not sampled or monitored during this quarterly event.



Project No. RC0019.009

BENZENE CONCENTRATIONS
February 1995
 Former Penske Truck Leasing Co.
 725 Julie Ann Way, Oakland, California

FIGURE
3

ATTACHMENT 1

**COPIES OF FIELD DATA SHEETS FROM
HANDEX OF COLORADO, INC.**



Report No: _____
Page | of | _____

DAILY FIELD REPORT

Owner: PENSKE

Project: JULIE ANN WAY; OAKLAND, CA.

Project No: 109645.01

Contract: RICHARD SAUT

Date: 2-21-95

Weather a.m. SUNNY p.m. SUNNY (HUMID)

Temp. Range (F) Hi 60° Low 50°

Daily Notations: 5:30 BILL PICKS UP FOR AIR PORT / 6:00 CHECK-IN AT AIRPORT /

6:30 FLIGHT DEPARTS DENVER / 9:00^(MST) ARRIVE IN SAN FRANCISCO / 9:30

PICK-UP RENTAL CAR / 10:30^(MST) ARRIVE ON SITE; CHECK-IN / 11:00^(MST)

BEGIN GAUGING AND SAMPLING; SAMPLING ORDER MW-2,3,5,4,1,7 /

16:00^(MST) SAMPLING COMPLETED; SECURE SITE AND PACKAGE SAMPLES

TO GO TO LAB / 17:00^(MST) COURIER PICKS UP SAMPLES FROM SITE;

(AERO SPECIAL DELIVERY) / 17:45^(MST) ARRIVE AT HOTEL

* PURGE WATER PLACED IN 55 GALLON DRUMS ON-SITE; USED 5 OF 7

DRUMS; 21 DRUMS ON SITE - 2 EMPTY

Copies to: _____

Signature: Dg Ruder

HYDAC[®]

DIGITAL CONDUCTIVITY/ TEMPERATURE/pH TESTER

FEATURES

- Digital display liquid-crystal type, 3-1/2 digit
- Visual warning when battery needs to be replaced
- 9 Volt Alkaline Battery
- Automatic battery strength compensation
- Rugged ABS (Acrylonitrile Butadiene Styrene) instrument case plus handy carrying case



Conductance measurement

4 ranges measured in micromhos

0 to 20
0 to 200
0 to 2,000
0 to 20,000

Integral sample cup

Accessible Calibration Adjustment

Temperature measurement

0 to 160° Fahrenheit range

Integral sample cup

pH measurement

0 to 14 range

Slope and zero adjustments on face of unit

External electrode

Buffer solutions available

ACCURACY

Conductivity $\pm 2\%$ Full Scale

Temperature $\pm 2^\circ$ Fahrenheit

pH ± 0.1 pH units of 7° Fahrenheit

BENEFITS

- Eliminates titration procedures to determine the strength of cleaning solutions
- Detects the presence of carry-over or other contaminants in steam condensate (and other liquid measurement). Also monitors the effectiveness of condensate return line chemical treatment (pH measurement)
- Integral sample cup eliminates external probe for conductance and temperature measurements
- Multiple range selection improves resolution
- Quick determination of Dissolved Solids concentration and pH in Cooling Towers
- Covers the full range of conductance and pH without the need of an electrode
- External pH electrode enables routine replacement of electrode

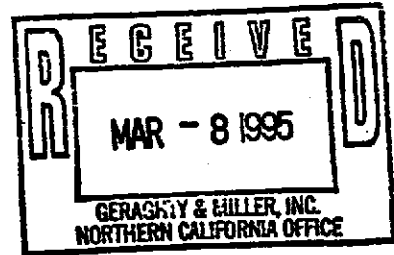
ATTACHMENT 2

**COPIES OF CERTIFIED ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTATION**



HANDEX OF COLORADO, INC., 411 Corporate Circle, Golden, CO 80401 • (303) 271-1050 • FAX (303) 271-0446

TRANSMITTAL



DATE: March 6, 1995

TO: Paul Hehn
Geraghty + Miller

FROM: Craig Hofmeister

RE: _____

For Your Information and Files Per Your Request As Discussed
Please Call Me With Your Comments

COMMENTS:
Lab Data



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

HANDEX OF COLORADO
411 Corporate Circle
Golden, CO 80401

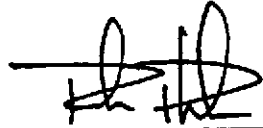
Date: March 2, 1995

Attn: Craig Hofmeister

Laboratory Number : 50524

Project Number/Name : 109154.01

This report has been reviewed and
approved for release.

 3/2/95

Senior Chemist
Account Manager

Certified Laboratories

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Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

STATE OF COLORADO
Agent: Craig Hofmeister

Project 109154.01
Reported on March 2, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 50524

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
MW-1	02/21/95	02/22/95	02/28/95	02/28/95	BB281.20	01
MW-2	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	02
MW-3	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	03
MW-4	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	04
MW-5	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	05
MW-7	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	06
TRIP BLANK	02/21/95	02/22/95	03/01/95	03/01/95	BB281.42	07

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BB281.20-02	MW-3	MS	50518-02	Water	02/28/95	02/28/95
BB281.20-03	MW-3	MSD	50518-02	Water	02/28/95	02/28/95
BB281.20-05	Method Blank	MB		Water	02/28/95	02/28/95

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Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

HANDX OF COLORADO
Attn: Craig Hofmeister

Project 109154.01
Reported on March 2, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
50524-01	MW-1	Water	1.0	-
50524-02	MW-2	Water	1.0	-
50524-03	MW-3	Water	1.0	-
50524-04	MW-4	Water	1.0	-

RESULTS OF ANALYSIS

Compound	50524-01		50524-02		50524-03		50524-04	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Gasoline Range	ND	50	ND	50	ND	50	91	50
Benzene	ND	0.5	ND	0.5	ND	0.5	23	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethyl Benzene	0.8	0.5	ND	0.5	ND	0.5	1.0	0.5
Total Xylenes	0.6	0.5	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	79		77		81		84	



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

HAND EX OF COLORADO
Attn: Craig Hofmeister

Project 109154.01
Reported on March 2, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
50524-05	MW-5	Water	1.0	-
50524-06	MW-7	Water	1.0	-
50524-07	TRIP BLANK	Water	1.0	-

RESULTS OF ANALYSIS

Compound	50524-05		50524-06		50524-07	
	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L	
Gasoline Range	ND	50	93	50	ND	50
Benzene	ND	0.5	0.6	0.5	ND	0.5
Toluene	ND	0.5	0.8	0.5	ND	0.5
Ethyl Benzene	ND	0.5	0.8	0.5	ND	0.5
Total Xylenes	ND	0.5	3.3	0.5	ND	0.5
Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)	77		82		69	



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 50524
Method Blank(s)

BB281.20-05
Conc. RL
ug/L

Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	ND	0.5
Ethyl Benzene	ND	0.5
Total Xylenes	ND	0.5

>> Surrogate Recoveries (%) <<

Trifluorotoluene (SS) 77



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 50524

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
----------	--------------	-----------	------------	------------	----------	-------

For Water Matrix (ug/L)

BB281.20 02 / 03 - Sample Spiked: 50518 - 02

Gasoline_Range	ND	180	190/190	106/106	65-135	0
Benzene	ND	10	8.2/8.3	82/83	65-135	1
Toluene	ND	10	9.1/9.0	91/90	65-135	1
Ethyl Benzene	ND	10	9.4/9.6	94/96	65-135	2
Total Xylenes	ND	30	29/28	97/93	65-135	4

>> Surrogate Recoveries (%) <<

Trifluorotoluene (SS)				77/78	50-150	
-----------------------	--	--	--	-------	--------	--

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)



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CERTIFICATE OF ANALYSIS

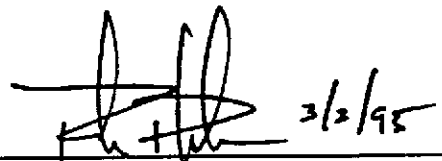
Laboratory No.: 50524
Client: HANDEX OF COLORADO
Client Job No.: 109154.01

Date Received: February 22, 1995
Date Reported: March 2, 1995

Total Dissolved Solids by Method 160.1

#	Sample ID	Date Sampled	Date Analyzed	Analyte	Conc.	RL	Unit
01	MW-1	02/21/95	02/28/95	TDS	4200	100	mg/L
02	MW-2	02/21/95	02/28/95	TDS	5700	100	mg/L
03	MW-3	02/21/95	02/28/95	TDS	4200	100	mg/L
04	MW-4	02/21/95	02/28/95	TDS	7100	100	mg/L
05	MW-5	02/21/95	02/28/95	TDS	3800	100	mg/L
06	MW-7	02/21/95	02/28/95	TDS	4000	100	mg/L
07	Method Blank	Water	02/28/95	TDS	ND	100	mg/L
QC	DUP - MW-7	Water	02/28/95	TDS	3678/3951	RPD= 7	(<25)

mg/L - parts per million (ppm)
ND = Not Detected
NA = Not Applicable
RL = Reporting Limit


Senior Chemist
Account Manager.

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Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

HANDEX OF COLORADO
411 Corporate Circle
Golden, CO 80401

Date: March 3, 1995

Attn: Craig Hofmeister

Laboratory Number : 50524

Project Number/Name : 109154.01

This report has been reviewed and
approved for release.

Senior Chemist
Account Manager

Certified Laboratories

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Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

INDEX OF COLORADO
Attn: Craig Hofmeister

Project 109154.01
Reported on March 3, 1995

Total Petroleum Hydrocarbons as Diesel
by EPA SW-846 Method 8015M
Diesel Range quantitated as all compounds from C10-C25

Chronology

Laboratory Number 50524

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
MW-1	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	01
MW-2	02/21/95	02/22/95	02/28/95	02/28/95	BB281.42	02
MW-3	02/21/95	02/22/95	02/28/95	03/01/95	BB281.42	03
MW-4	02/21/95	02/22/95	02/28/95	03/01/95	BB281.42	04
MW-5	02/21/95	02/22/95	02/28/95	03/01/95	BB281.42	05
MW-7	02/21/95	02/22/95	03/02/95	03/02/95	BB282.02	06

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
BB281.42-01	Method Blank	MB	Water	02/28/95	02/28/95
BB281.42-02	Laboratory Spike	LS	Water	02/28/95	02/28/95
BB281.42-03	Laboratory Spike Duplicate	LSD	Water	02/28/95	02/28/95
BB282.02-01	Method Blank	MB	Water	02/28/95	03/02/95
BB282.02-02	Laboratory Spike	LS	Water	02/28/95	03/02/95
BB282.02-03	Laboratory Spike Duplicate	LSD	Water	02/28/95	03/02/95



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

HEADQUARTERS
HELDEN OF COLORADO
Attn: Craig Hofmeister

Project 109154.01
Reported on March 3, 1995

Total Petroleum Hydrocarbons as Diesel
by EPA SW-846 Method 8015M

Diesel Range quantitated as all compounds from C10-C25

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
0524-01	MW-1	Water	1.0	-
0524-02	MW-2	Water	1.0	-
50524-03	MW-3	Water	1.0	-
0524-04	MW-4	Water	1.0	-

RESULTS OF ANALYSIS

Compound	50524-01		50524-02		50524-03		50524-04	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Diesel Range	4200	50	ND	50	ND	50	680	50
> Surrogate Recoveries (%) <<								
tetracosane	70		67		95		67	



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HANDEX OF COLORADO
Attn: Craig Hofmeister

Project 109154.01
Reported on March 3, 1995

Total Petroleum Hydrocarbons as Diesel
by EPA SW-846 Method 8015M
Diesel Range quantitated as all compounds from C10-C25

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
50524-05	MW-5	Water	1.0	-
50524-06	MW-7	Water	1.0	-

RESULTS OF ANALYSIS

Compound	50524-05		50524-06	
	Conc.	RL	Conc.	RL
	ug/L		ug/L	
Diesel Range	170	50	1400	50
> Surrogate Recoveries (%) <<				
Tetracosane	78		84	



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Total Petroleum Hydrocarbons as Diesel
by EPA SW-846 Method 8015M
Diesel Range quantitated as all compounds from C10-C25

Quality Assurance and Control Data

Laboratory Number: 50524
Method Blank(s)

BB281.42-01	BB282.02-01
Conc. RL	Conc. RL
ug/L	ug/L

Diesel Range	ND	50	ND	50
> Surrogate Recoveries (%) <<				
Tetracosane	84		60	



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Total Petroleum Hydrocarbons as Diesel
by EPA SW-846 Method 8015M
Diesel Range quantitated as all compounds from C10-C25

Quality Assurance and Control Data

Laboratory Number: 50524

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
BB281.42 02 / 03 - Laboratory Control Spikes						
Diesel Range		2000	2595/2443	130/122	50-150	6
>> Surrogate Recoveries (%) <<						
Tetracosane				61/64	50-150	

For Water Matrix (ug/L)						
BB282.02 02 / 03 - Laboratory Control Spikes						
Diesel Range		2000	1538/1766	77/88	50-150	13
>> Surrogate Recoveries (%) <<						
Tetracosane				77/82	50-150	

Definitions:

ND = Not Detected
 RL = Reporting Limit
 NA = Not Analysed
 RPD = Relative Percent Difference
 ug/L = parts per billion (ppb)
 mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)
 mg/kg = parts per million (ppm)

CHAIN OF CUSTODY RECORD

Env. 12
E.D. 535

HANDEX OF COLORADO

411 Corporate Circle
Golden, Colorado 80401
Office (303) 271-1050
Fax # (303) 271-0448

50524

PROJECT NO.: 109154.01		Sampled by: D.J. RUDER					
CLIENT: PENSKE TRUCK LEASING CO.							
SITE NAME: PENSKE, OAKLAND, CA.							
SITE LOCATION: 725 JULIE ANN WAY							
		REQUESTED TURN AROUND: 24 HOURS 2-7 DAYS 8-13 DAYS NORMAL (14 DAYS)					
SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	SAMPLE TYPE	PRESERVATION METHOD	SAMPLE CONTAINER DESCRIPTION	No. of CONT.	ANALYSES REQUESTED
MW-1	2-21-95	14:00	WATER	HCL	40ml VOA VIAL	3	BTEX 8020, TPH 8015 MOD
MW-1	2-21-95	14:00	WATER	CE	1L AMBER	1	TPH as diesel 8015 MOD
MW-1	2-21-95	14:00	WATER	CE	1L AMBER	1	TOTAL DISSOLVED SOLIDS 160.1
MW-2	2-21-95	10:40	WATER	HCL	40ml VOA VIAL	3	BTEX 8020, TPH 8015 MOD
MW-2	2-21-95	10:40	WATER	CE	1L AMBER	1	TPH as diesel 8015 MOD
MW-2	2-21-95	10:40	WATER	CE	1L AMBER	1	TOTAL DISSOLVED SOLIDS 160.1
MW-3	2-21-95	11:30	WATER	HCL	40ml VOA VIAL	3	BTEX 8020, TPH 8015 MOD
MW-3	2-21-95	11:30	WATER	ICE	1L AMBER	1	TPH as diesel 8015 MOD
MW-3	2-21-95	11:30	WATER	ICE	1L AMBER	1	TOTAL DISSOLVED SOLIDS 160.1
MW-4	2-21-95	13:10	WATER	HCL	40ml VOA VIAL	3	BTEX 8020, TPH 8015 MOD
MW-4	2-21-95	13:10	WATER	CE	1L AMBER	1	TPH as diesel 8015 MOD
MW-4	2-21-95	13:10	WATER	ICE	1L AMBER	1	TOTAL DISSOLVED SOLIDS 160.1
MW-5	2-21-95	12:20	WATER	HCL	40ml VOA VIAL	3	BTEX 8020, TPH 8015 MOD

REMARKS:

RELINQUISHED BY: (Signature) 	DATE 2-21-95 TIME 16:00	COMPANY HANDEX		RECEIVED BY: (Signature) 	DATE 2-21-95 TIME 16:00	COMPANY COURIER SERVICE
RELINQUISHED BY: (Signature)	DATE	COMPANY		RECEIVED BY: (Signature)	DATE	COMPANY
RELINQUISHED BY: (Signature)	DATE	COMPANY		RECEIVED BY: (Signature)	DATE	COMPANY
RELINQUISHED BY: (Signature)	DATE	COMPANY		RECEIVED BY: (Signature)	DATE	COMPANY

