

ARCADIS GERAGHTY & MILLER



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

ARCADIS Geraghty & Miller, Inc.
1050 Marina Way South
Richmond
California 94804
Tel 510 233 3200
Fax 510 233 3204

WESTERN REGION

Subject:
Results of Quarterly Groundwater Monitoring - February 1998
Former Penske Truck Leasing Company Facility
725 Julie Ann Way
Oakland, California

#554

Richmond, California,
July 2, 1998

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 quarterly groundwater monitoring and sampling for February 1998 at the Former Penske Truck Leasing Facility at 725 Julie Ann Way, Oakland.

Please also note that the additional sampling, analysis, and field activities related to biodegradation parameter testing requested in your May 20, 1998 letter have been performed. The results of this additional testing will be reported in the second quarter 1998 groundwater monitoring and sampling report.

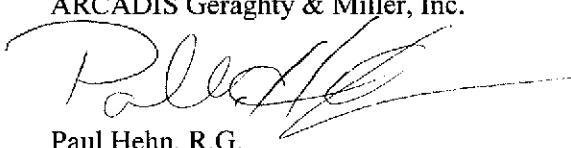
If you have any questions, please do not hesitate to call

Sincerely,

ARCADIS Geraghty & Miller, Inc.

Contact:
Paul V. Hehn

Extension:
(510) 233-3200


Paul Hehn, R.G.
Project Geologist/Project Manager

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

Files - Project No. RC000019.0010

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Via Fax 510-233-3204

June 29, 1998

Mr. Paul Hehn
Arcadis, Inc.
1050 Marina Way South
Richmond, CA 94804

Re: Quarterly Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, CA

Dear Paul,

I have reviewed and approve the above referenced report. Please forward the appropriate number of copies to the required regulatory agencies. Please provide two copies for my file with a copy of your report transmittal letters to the agencies. If you have questions or need assistance, please call my office at 610-775-6010.

Sincerely,

A handwritten signature in black ink that reads "Richard G. Saut".

Richard G. Saut
Environmental Project Manager

RGS/csk
L1062998.rgs

Quarterly Groundwater Monitoring and Sampling

February 1998

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



1050 Marina Way South
Richmond, CA 94804
(510) 233-3200

QUARTERLY REPORT
Prepared June 15, 1998



ARCADIS GERAGHTY & MILLER

Mr. Richard G. Saut
Environmental Project Manager
Penske Truck Leasing Company, L.P.
Route 10, Green Hills
P.O. Box 7635
Reading, Pennsylvania 19603-7635

ARCADIS Geraghty & Miller, Inc.
1050 Marina Way South
Richmond
California 94804
Tel 510 233 3200
Fax 510 233 3204

WESTERN REGION

Subject: Results of Quarterly Groundwater Monitoring, February 1998,
Former Penske Truck Leasing Facility, 725 Julie Ann Way, Oakland, California.

Dear Mr. Saut:

Richmond,
25 June 1998

This report presents the results of the quarterly groundwater monitoring and sampling activities performed on February 27, 1998, 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 an ARCADIS Geraghty & Miller letter dated January 25, 1996. The scope of work for groundwater monitoring and sampling consists of collecting depth-to-water measurements, total-well-depth measurements, and water samples for laboratory analysis from selected wells. The scope of work also includes preparation of quarterly groundwater sampling and monitoring reports based on the data and groundwater samples collected during each quarterly event. This quarterly groundwater sampling and monitoring program is related to the containment zone (CZ) concept 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) in its letter to Penske dated March 25, 1994.

Contact:
Paul V. Hahn

Field Procedures

Extension:
510 233 3200

The subject quarterly groundwater monitoring was performed on February 27, 1998. Monitoring was completed and groundwater samples were collected from Monitoring Wells MW-1 through MW-5, MW-7, and MW-8 in accordance with the CZ remedial approach monitoring and sampling plan referenced above. The monitoring-well locations are shown in Figure 2.

Prior to sampling, depth-to-water measurements were obtained from all on-site wells. Additionally, the wells were checked for the presence of liquid-phase hydrocarbons. Each well sampled was purged of at least four casing volumes of

Our ref.:
Penske/RC019010/OTGWRPTS/1197.DOC/rat298

water. At Penske's request, additional purging was performed to remove dissolved-phase petroleum hydrocarbons from the groundwater. Due to the purging equipment used to perform the extra purging, the exact amount of water purged from each well cannot be accurately determined but definitely exceeded the amount necessary for a minimum full four well volume purge. The approximate well volume estimated by the field personnel indicates that the extra purge volume exceeded the four volume purge requirements by 15 to 50%. Prior to sampling each well, all equipment that entered the well was washed in a solution of nonphosphate detergent and water and then triple rinsed in deionized water. 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 new disposable polyethylene bailer for each well. The purged water was removed by a Penske-contracted vacuum truck for proper disposal.

(up to 6 well vol.)

Groundwater samples were put into the appropriate USEPA-approved containers, placed on ice, and transported to American Environmental Network, in Pleasant Hill, California, under appropriate chain-of-custody documentation. The water samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (USEPA Method 8015, modified); TPH as diesel (USEPA Method 8015, modified); benzene, toluene, ethylbenzene, and total xylenes (BTEX) (USEPA Method 8020); methyl tertiary butyl ether (MTBE) (USEPA Method 8020); and total dissolved solids (TDS) (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 4.10 feet (Monitoring Well MW-5) to 5.38 feet (Monitoring Well MW-3) below the ground surface. A contour map based on the groundwater elevation data collected February 27, 1998, 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 during February 1998. Liquid-phase hydrocarbons were measured in Wells MW-1 (0.03 foot), MW-4 (0.02 foot), and MW-7 (0.58 foot) during this monitoring event.

The difference in the elevation of the groundwater surface between Wells MW-2 and MW-1 is 0.29 feet, producing a hydraulic gradient (slope of the groundwater surface) of approximately 0.0032 in a southwesterly direction. The groundwater

gradient and groundwater contours for the current quarter are consistent with those presented during previous quarters.

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 TDS were detected in the groundwater laboratory samples (Table 2).

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 samples from Monitoring Wells MW-1 (380,000 µg/L), MW-4 (580 µg/L), and MW-7 (45,000 µg/L). TPH as diesel was detected in the groundwater samples collected from Monitoring Wells MW-1 (1,200,000 µg/L), MW-2 (340 µg/L), MW-4 (9,300 µg/L), MW-7 (290,000 µg/L), and MW-8 (150 µg/L). Benzene was detected in the groundwater samples collected from Monitoring Wells MW-1 (50 µg/L), MW-4 (2.7 µg/L), and MW-7 (80 µg/L). All other BTEX constituent results are presented in Table 2. TDS was detected at concentrations ranging from 210 milligrams per liter (mg/L) in Monitoring Well MW-2 to 9,700 mg/L in Monitoring Well MW-4 (Table 2).

Discussion and Compliance with Containment Zone Approach

Benzene was detected at concentrations slightly exceeding the compliance concentration of 71 µg/L in the shallow groundwater sample collected from designated CZ-concept Guard Well MW-7 (80 µg/L). At the request of the ACHCSA, Compliance Well MW-8 was sampled during this quarterly event. The benzene concentration detected in the groundwater sample collected from Compliance Well MW-8 (ND) was below the compliance concentration for benzene.

During this quarterly groundwater sampling event, the concentration of TPH as gasoline increased in the groundwater sample from Well MW-1 (from 40,000 µg/L to 380,000 µg/L), MW-7 (from 15,000 µg/L to 45,000 µg/L). The concentrations of TPH as diesel increased in the groundwater samples from Wells MW-1 (from 950,000 µg/L to 1,200,000 µg/L). The concentrations of benzene did not increase in any of the groundwater samples collected from any of the wells.

The concentrations of TPH as gasoline decreased in the groundwater samples collected from Wells MW-4 (from 4,400 µg/L to 580 µg/L), Well MW-5 (from 70 µg/L to ND), and MW-8 (from 250 µg/L to ND). The concentrations of TPH as diesel decreased in the groundwater samples collected from Wells MW-2 (from 1,300 µg/L to 340 µg/L), MW-4 (from 57,000 µg/L to 9,300 µg/L), Well MW-5 (from 1,000 µg/L to ND), MW-7 (from 18,000,000 µg/L to 290,000 µg/L), and MW-8 (from 520 µg/L to 150 µg/L). The concentrations of benzene decreased in the groundwater samples collected from Wells MW-1 (from 240 µg/L to 50 µg/L), MW-4 (from 25 µg/L to 2.7 µg/L), Well MW-5 (from 0.6 µg/L to ND), Well MW-7 (from 110 µg/L to 80 µg/L), and MW-8 (from 1.4 µg/L to ND).

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Significant concentrations of petroleum hydrocarbons continue to be detected in Wells MW-1, MW-4 and MW-7, all of which are located immediately downgradient from the former UST excavation. The high concentrations that continue to be detected from these wells indicate that additional mass of petroleum hydrocarbons remains in the groundwater and probably within the soil downgradient from the former UST excavation. However, decreases in the concentrations of petroleum hydrocarbons detected in the groundwater samples collected from Well MW-4 may indicate that there is increased biodegradation activity taking place in the vicinity of this well as a result of the addition of the ORC socks in Observation Wells OW-1 and OW-2 which are both located upgradient from Well MW-4

At the request of Penske, additional groundwater purging will be continued during future quarterly events. The additional purging will help remove additional mass of petroleum hydrocarbons from the groundwater downgradient from the former tank excavation to aid in the remediation of the groundwater at this former facility.

Recent Regulatory Requested Changes to the Quarterly Groundwater Sampling

A letter dated May 20, 1998 from Mr. Barney Chan at the ACHCSA was received by Penske. In this letter Mr. Chan requested that biodegradation parameters be analyzed in all wells to establish baseline concentrations for assessing biodegradation activity at this site. He also requested that dissolved oxygen (DO) and redox measurements be collected during each quarterly sampling event also to monitor natural biodegradation indicators.

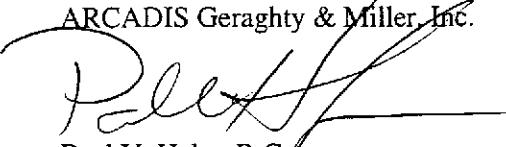
With the concurrence of Penske, the additional biodegradation parameter, and DO and redox measurements will be collected from all available wells during the second quarter groundwater sampling event. The results of these additional analysis and measurements will be presented in the quarterly report for this sampling event. Biodegradation parameters, and DO and redox measurements will not be collected

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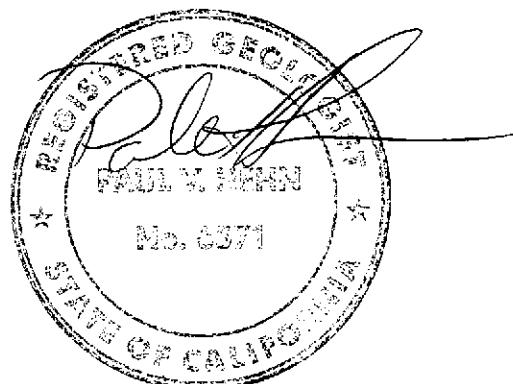
from Observation Wells OW-1 and OW-2 since ORC™ socks in these wells prevent measurements or samples from being collected.

ARCADIS 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,
ARCADIS Geraghty & Miller, Inc.


Paul V. Hehn, R.G.
Project Geologist/Project Manager


Donald C. Trueblood
Regional 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 - February 1998
- Figure 3 Benzene Concentrations - February 1998

- Attachment 1 Copies of Certified Laboratory Reports and Chain-of-Custody Documentation

References

- Alameda County Health Care Services Agency. May 20, 1998. Letter to Penske Truck Leasing Co. on Former Penske Truck Leasing Facility, 725 Julie Ann Way, Oakland, CA 94621.
- _____. December 6, 1996. Letter to Penske Truck Leasing Co. on Former Penske Truck Leasing Facility, 725 Julie Ann Way, Oakland, CA 94621.
- 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.
- _____. January 25, 1996. 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.

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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 | Top of Casing | Top of Water | Measured Depth | Calculated | Actual Purge Volume (gallons) | Field Measurements | | | Casing Diameter (inches) |
|------|-----------|---------------------|---------------------|---------------------|-----------------------|-------------------------------|-------------------------------------|--------------------|---------------|--------|--------------------------------|
| | | Water (a) (feet) | Elevation (feet) | Elevation (feet) | of Well (a) (feet) | Purge Volume (b) (gallons) | | 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 | | -3.12 | 33.58 | 65.00 | 70 | 6.30 | 66.0 | 9,700 | |
| | 25-Mar-91 | 7.35 | | -1.93 | 33.50 | 71.00 | 75 | 6.50 | 64.0 | 7,200 | |
| | 1-May-91 | 7.91 | | -2.49 | 33.70 | 67.00 | 51 | 6.20 | 65.0 | 3,500 | |
| | 5-Aug-91 | 8.63 | | -3.21 | NM | 51.00 | 68 | NM | 63.6 | 7,690 | |
| | 23-Oct-91 | 9.00 | | -3.58 | 33.77 | 67.00 | 67 | 9.40 | 64.2 | 7,470 | |
| | 6-Jan-92 | 8.52 | | -3.10 | 33.87 | 65.00 | 69 | 9.40 | 63.2 | 6,640 | |
| | 20-Jul-92 | 7.94 | | -2.52 | 33.95 | 65.02 | 66 | 7.20 | 65.7 | 6,410 | |
| | 23-Oct-92 | 8.62 | | -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 | | -0.94 | 33.80 | 71.32 | 65 | 6.60 | 66.7 | >2,000 | |
| | 6-Aug-93 | 7.39 | | -1.96 | 33.88 | 68.67 | 69 | 7.22 | 68.1 | 5,890 | |
| | 28-Oct-93 | 7.85 | | -2.42 | 33.80 | 67.48 | 68 | 7.00 | 68.3 | 5,910 | |
| | 1-Feb-94 | 7.25 | | -1.82 | 33.99 | 69.52 | 70 | 7.63 | 63.2 | 7,610 | |
| | 12-Sep-94 | 6.75 | | -1.32 | 33.95 | 70.72 | 70 | 6.90 | 75.8 | 7,950 | |
| | 23-Nov-94 | 6.13 | | -0.70 | 33.93 | 72.28 | 73 | 6.10 | 66.2 | >2,000 | |
| | 21-Feb-95 | 6.00 | | -0.57 | 34.00 | 55.44 | 56 | 7.36 | 70 | 890 | |
| | 23-May-95 | 6.04 | | -0.61 | 34.00 | 54.52 | 56 | 7.11 | 66.2 | 5,920 | |
| | 16-Aug-95 | 6.03 | | -0.60 | 34.00 | 55.94 | 56 | 7.27 | 69.3 | 5,510 | |
| | 21-Nov-95 | 6.90 | | -1.47 | 34.00 | 52.85 | 54 | 7.19 | 67.8 | 5,720 | |
| | 13-Feb-96 | 5.18 | | 0.25 | 33.87 | 74.59 | >75 | 7 | 71.2 | 6,070 | |
| | 13-May-96 | 6.10 | | -0.67 | NM | 72.20 (f) | >73 | 6.5 | 76.4 | 14,370 | |
| | 28-Aug-96 | 6.17 | | -0.74 | 33.85 | 71.96 | >72 | 7 | 85.5 | 4,820 | |
| | 21-Nov-96 | 6.09 | | -0.66 | 33.92 | 72.43 | >73 | 6.5 | 77.8 | 7,890 | |
| | 20-Feb-97 | 5.41 | | 0.02 | 33.94 | 74.17 | >75 | 6.0 | 66.3 | 1,900 | |
| | 28-May-97 | 5.98 | | -0.55 | NM | 72.69 (f) | >73 | 8.0 | 77 | 9,000 | |
| | 19-Sep-97 | 6.45 | | -1.02 | 33.80 | 71.12 | >72 | 7.4 | 71.3 | 5,500 | |
| | 17-Nov-97 | 6.14 | | -0.71 | 34.03 | 72.51 | >73 | 7.12 | 75 | 6,690 | |
| | 27-Feb-98 | 4.83 | | 0.60 | 33.97 | 75.76 | >76 | 6.80 | 65 | 6,680 | |

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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 | Top of Casing | Top of Water | Measured Depth | Calculated | Actual Purge Volume (gallons) | Field Measurements | | | Casing Diameter (inches) |
|------|-----------|---------------------|---------------------|---------------------|-----------------------|-------------------------------|-------------------------------------|--------------------|------|---------------|--------------------------------|
| | | Water (a) (feet) | Elevation (feet) | Elevation (feet) | of Well (a) (feet) | Purge Volume (b) (gallons) | | Temp. (°F) | pH | SC (µS/cm) | |
| 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 | | -2.98 | 29.39 | 53.00 | 55 | 6.60 | 64.0 | 9,000 | |
| | 25-Mar-91 | 7.95 | | -1.74 | 29.39 | 57.00 | 70 | 6.60 | 63.0 | 6,400 | |
| | 1-May-91 | 8.58 | | -2.37 | 29.60 | 55.00 | 50 | 6.20 | 64.0 | 3,000 | |
| | 5-Aug-91 | 9.33 | | -3.12 | NM | 40.00 | 54 | NM | 65.1 | 5,680 | |
| | 23-Oct-91 | 9.57 | | -3.36 | 29.35 | 52.00 | 53 | 7.60 | 65.4 | 7,970 | |
| | 6-Jan-92 | 9.08 | | -2.87 | 29.50 | 53.00 | 53 | 9.18 | 62.8 | 6,990 | |
| | 20-Jul-92 | 8.60 | | -2.39 | 29.45 | 54.21 | 55 | 6.50 | 65.2 | 6,690 | |
| | 23-Oct-92 | 9.33 | | -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 | | -0.75 | 29.32 | 58.16 | 60 | 6.90 | 66.7 | >2,000 | |
| | 6-Aug-93 | 8.05 | | -1.85 | 29.33 | 55.33 | 66.5 | 7.26 | 66.4 | 6,250 | |
| | 28-Oct-93 | 8.50 | | -2.30 | 29.43 | 54.40 | 55 | 7.08 | 71.2 | 6,780 | |
| | 1-Feb-94 | 7.87 | | -1.67 | 29.54 | 56.32 | 57 | 8.35 | 62.4 | 8,250 | |
| | 12-Sep-94 | 7.42 | | -1.22 | 29.45 | 57.24 | 66 | (e) | 69.9 | 8,130 | |
| | 22-Nov-94 | 6.75 | | -0.55 | 29.50 | 59.15 | 60 | 6.8 | 67.6 | >2,000 | |
| | 21-Feb-95 | 6.20 | | 0.00 | 30.00 | 47.12 | 48 | 6.97 | 64 | 1,050 | |
| | 23-May-95 | 6.10 | | 0.10 | 30.00 | 46.60 | 48 | 7.18 | 70.3 | 7,710 | |
| | 16-Aug-95 | 6.69 | | -0.49 | 30.00 | 46.62 | 46 | 7.42 | 65 | 6,790 | |
| | 21-Nov-95 | 7.62 | | -1.42 | 30.00 | 43.64 | 45 | 7.30 | 67.6 | 7,250 | |
| | 13-Feb-96 | 5.81 | | 0.39 | 29.47 | 61.51 | >62 | 7 | 71.8 | 2,890 | |
| | 13-May-96 | 6.40 | | -0.20 | NM | 59.98 (f) | >60 | 5.5 | 74.4 | 860 | |
| | 28-Aug-96 | 7.11 | | -0.91 | 29.42 | 58.00 | >58 | 6 | 83.5 | 590 | |
| | 21-Nov-96 | 6.41 | | -0.21 | 29.43 | 59.85 | >60 | 6.5 | 76.3 | 4,160 | |
| | 20-Feb-97 | 6.26 | | -0.06 | 29.54 | 60.52 | >61 | 6.5 | 65.2 | 1,940 | |
| | 28-May-97 | 6.65 | | -0.45 | NM | 59.51 (f) | >60 | 7.0 | 73.6 | 5,540 | |
| | 19-Sep-97 | 6.90 | | -0.70 | 29.47 | 58.68 | >59 | 6.9 | 69.7 | 12,630 | |
| | 17-Nov-97 | 6.75 | | -0.55 | 29.56 | 59.31 | >60 | 8.08 | 75.7 | 710 | |
| | 27-Feb-98 | 5.31 | | 0.89 | 29.45 | 62.76 | >63 | 6.50 | 67.3 | 530 | |

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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) |
|------|-----------|---------------------------------|--------------------------------------|-------------------------------------|---|---|-------------------------------------|--------------------|---------------|--------|--------------------------------|
| | | | | | | | | 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 | | -3.35 | 31.61 | 58.00 | 60 | 6.10 | 66.0 | 1,020 | |
| | 25-Mar-91 | 7.98 | | -1.88 | 31.60 | 70.00 | 75 | 6.40 | 65.0 | 8,200 | |
| | 1-May-91 | 8.58 | | -2.48 | 33.70 | 65.00 | 50 | 6.40 | 67.0 | 4,100 | |
| | 5-Aug-91 | 9.26 | | -3.16 | NM | 50.00 | 67 | NM | 64.1 | 6,190 | |
| | 23-Oct-91 | 9.60 | | -3.50 | 33.48 | 66.00 | 66 | 7.30 | 67.3 | 8,430 | |
| | 6-Jan-92 | 9.08 | | -2.98 | 33.66 | 64.00 | 64 | 9.98 | 61.7 | 7,010 | |
| | 20-Jul-92 | 8.59 | | -2.49 | 33.76 | 65.44 | 66 | 6.80 | 66.0 | 7,540 | |
| | 23-Oct-92 | 9.30 | | -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 | | -0.88 | 33.55 | 69.08 | 72 | 6.90 | 68.2 | >2,000 | |
| | 6-Aug-93 | 8.01 | | -1.91 | 33.55 | 66.40 | 56 (d) | 7.43 | 67.3 | 6,490 | |
| | 28-Oct-93 | 8.45 | | -2.35 | 33.60 | 65.40 | 66 | 7.02 | 72.0 | 6,590 | |
| | 1-Feb-94 | 8.03 | | -1.93 | 33.74 | 66.84 | 67 | 8.32 | 63.3 | 8,400 | |
| | 12-Sep-94 | 7.39 | | -1.29 | 33.70 | 68.40 | 70 | 7.73 | 68.7 | 8,030 | |
| | 22-Nov-94 | 6.76 | | -0.66 | 33.75 | 70.17 | 70 | 6.60 | 65.8 | >2,000 | |
| | 21-Feb-95 | 6.36 | | -0.26 | 33.50 | 53.74 | 54 | 6.99 | 85.4 | 880 | |
| | 23-May-95 | 6.48 | | -0.38 | 33.50 | 52.69 | 54 | 7.25 | 68.7 | 6,060 | |
| | 16-Aug-95 | 6.63 | | -0.53 | 33.50 | 53.74 | 54 | 7.53 | 66.1 | 5,390 | |
| | 21-Nov-95 | 7.51 | | -1.41 | 33.50 | 50.68 | 52 | 7.34 | 67.4 | 5,730 | |
| | 13-Feb-96 | 5.91 | | 0.19 | 33.69 | 72.24 | >73 | 7 | 71.5 | 6,790 | |
| | 13-May-96 | 6.36 | | -0.26 | NM | 71.06 (f) | >72 | 6.5 | 76.7 | 14,360 | |
| | 28-Aug-96 | 7.15 | | -1.05 | 33.52 | 68.56 | >69 | 8 | 79.2 | 2,930 | |
| | 21-Nov-96 | 6.64 | | -0.54 | 33.54 | 69.94 | >70 | 6.5 | 77.0 | 7,500 | |
| | 20-Feb-97 | 6.36 | | -0.26 | 33.67 | 71.00 | >72 | 6.5 | 68.7 | 4,180 | |
| | 28-May-97 | 6.62 | | -0.52 | NM | 70.33 (f) | >71 | 7.0 | 74.1 | 6,580 | |
| | 19-Sep-97 | 6.83 | | -0.73 | 33.55 | 69.48 | >70 | 7.0 | 70.8 | 8,570 | |
| | 17-Nov-97 | 6.77 | | -0.67 | 33.59 | 69.73 | >70 | 7.08 | 75.0 | 6,580 | |
| | 27-Feb-98 | 5.38 | | 0.72 | 33.60 | 73.37 | >74 | 7.0 | 65.9 | 7,530 | |

ARCADIS GERAGHTY&MILLER

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 | Top of Casing | Top of Water | Measured Depth | Calculated | Actual Purge Volume (gallons) | Field Measurements | | | Casing Diameter (inches) |
|------|-----------|---------------------|---------------------|---------------------|-----------------------|-------------------------------|-------------------------------------|--------------------|------|---------------|--------------------------------|
| | | Water (a) (feet) | Elevation (feet) | Elevation (feet) | of Well (a) (feet) | Purge Volume (b) (gallons) | | Temp. (°F) | pH | SC (µS/cm) | |
| 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 | | -1.03 | 33.04 | 69.76 | 70 | 6.80 | 69.1 | >2,000 | |
| | 6-Aug-93 | 7.20 | | -2.02 | 32.92 | 66.87 | 60 (d) | 7.44 | 68.9 | 13,900 | |
| | 28-Oct-93 | 7.64 | | -2.46 | 32.98 | 65.88 | 66 | 6.79 | 72.1 | 11,940 | |
| | 1-Feb-94 | 7.26 | | -2.08 | 33.31 | 67.72 | 68 | 8.65 | 63.6 | 18,110 | |
| | 12-Sep-94 | 6.55 | | -1.37 | 33.41 | 69.84 | 60 (d) | 6.03 | 77.5 | 16,710 | |
| | 23-Nov-94 | 6.08 | | -0.90 | 33.35 | 70.90 | 55 (d) | 5.60 | 66.7 | >2,000 | |
| | 21-Feb-95 | 5.36 | | -0.18 | 33.50 | 55.71 | 48 (d) | 6.83 | 80.2 | 880 | |
| | 23-May-95 | 5.05 | | 0.13 | 33.50 | 55.48 | 59 | 6.71 | 66.5 | 12,090 | |
| | 16-Aug-95 | 5.63 | | -0.45 | 33.50 | 55.74 | 33 (d) | 7.34 | 69.8 | 8,670 | |
| | 21-Nov-95 | 6.63 | | -1.45 | 33.50 | 52.39 | 34 (d) | 7.03 | 68.2 | 10,380 | |
| | 13-Feb-96 | 5.14 | | 0.04 | 33.25 | 73.08 | >74 | 7 | 75.3 | 6,090 | |
| | 13-May-96 | 5.75 | | -0.57 | NM | 71.50 (f) | >72 | 7 | 76.1 | >20,000 | |
| | 28-Aug-96 | 6.04 | | -0.86 | 33.20 | 70.61 | >71 | 7.4 | 83.9 | 2,600 | |
| | 21-Nov-96 | 7.90 | | -2.72 | 33.17 | 65.70 | >66 | 6.5 | 75.9 | 8,940 | |
| | 20-Feb-97 | 5.29 | | -0.11 | 33.28 | 72.77 | >73 | 6.5 | 66.1 | 2,110 | |
| | 28-May-97 | 5.66 | | -0.48 | NM | 71.81 (f) | >72 | 7.0 | 74 | 6,480 | |
| | 19-Sep-97 | 6.00 | | -0.82 | 33.31 | 71.00 | >71 | 7.4 | 71 | 4,330 | |
| | 17-Nov-97 | 6.06 | | -0.88 | 33.35 | 70.95 | >71 | 6.81 | 70 | 11,020 | |
| | 27-Feb-98 | 4.66 | | 0.52 | 33.22 | 74.25 | >75 | 7.30 | 65.9 | 15,720 | |

ARCADIS GERAGHTY & MILLER

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 | Top of Casing | Top of Water | Measured Depth | Calculated | Field Measurements | | | Casing | |
|------|-----------|---------------------|---------------------|---------------------|-----------------------|-------------------------------|-------------------------------------|------|---------------|---------------|----------------------|
| | | Water (a) (feet) | Elevation (feet) | Elevation (feet) | of Well (a) (feet) | Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | pH | Temp. (°F) | SC (µS/cm) | Diameter (inches) |
| 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 | | -0.72 | 31.36 | 67.42 | 68 | 7.20 | 68.0 | >2,000 | |
| | 6-Aug-93 | 6.19 | | -1.48 | 31.30 | 65.29 | 68 | 7.47 | 63.6 | 5,180 | |
| | 28-Oct-93 | 6.86 | | -2.15 | 31.43 | 62.72 | 48 (d) | 7.12 | 70.6 | 4,980 | |
| | 1-Feb-94 | 6.48 | | -1.77 | 31.43 | 64.84 | 49 (d) | (e) | 63.1 | 6,120 | |
| | 12-Sep-94 | 5.89 | | -1.18 | 31.43 | 66.40 | 39 (d) | (e) | 69.4 | 5,020 | |
| | 22-Nov-94 | 5.66 | | -0.95 | 31.44 | 67.02 | 58 (d) | 6.80 | 68.4 | >2,000 | |
| | 21-Feb-95 | 4.90 | | -0.19 | 31.00 | 51.68 | 45 (d) | 7.30 | 82.5 | 880 | |
| | 23-May-95 | 4.86 | | -0.15 | 31.00 | 50.97 | 52 | 7.03 | 66.5 | 4,320 | |
| | 16-Aug-95 | 4.97 | | -0.26 | 31.00 | 52.06 | 36 (d) | 7.48 | 67.5 | 3,900 | |
| | 21-Nov-95 | 5.82 | | -1.11 | 31.00 | 49.10 | 32 (d) | 7.26 | 67.0 | 4,110 | |
| | 13-Feb-96 | 4.86 | | -0.15 | 31.41 | 69.03 | >69 | 7 | 68.3 | 5,950 | |
| | 13-May-96 | 5.06 | | -0.35 | NM | 68.51 (f) | >69 | 6.5 | 71.9 | 9,830 | |
| | 28-Aug-96 | 5.29 | | -0.58 | 31.34 | 67.73 | >68 | 7.9 | 79.6 | 2,590 | |
| | 21-Nov-96 | 5.44 | | -0.73 | 31.33 | 67.31 | >67 | 6.5 | 76.0 | 7,260 | |
| | 20-Feb-97 | 4.68 | | 0.03 | 31.46 | 69.62 | >70 | 6.5 | 60.7 | 1,990 | |
| | 28-May-97 | 5.21 | | -0.50 | NM | 68.25 (f) | >69 | 7.8 | 70.7 | 11,500 | |
| | 19-Sep-97 | 5.43 | | -0.72 | 31.46 | 67.68 | >68 | 7.1 | 67.9 | 3,920 | |
| | 17-Nov-97 | 5.28 | | -0.57 | 31.44 | 68.02 | >69 | 7.0 | 73.0 | 5,180 | |
| | 27-Feb-98 | 4.10 | | 0.61 | 31.49 | 71.21 | >72 | 6.8 | 62.5 | 1,650 | |

ARCADIS GERAGHTY & MILLER

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 | Top of Casing | Top of Water | Measured Depth | Calculated | Field Measurements | | | Casing | |
|------|-----------|---------------------|---------------------|---------------------|-----------------------|-------------------------------|-------------------------------------|------|---------------|---------------|----------------------|
| | | Water (a) (feet) | Elevation (feet) | Elevation (feet) | of Well (a) (feet) | Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | pH | Temp. (°F) | SC (µS/cm) | Diameter (inches) |
| 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 | | -0.67 | 24.88 | 48.98 | 50 | 6.70 | 66.4 | >2,000 | |
| | 21-Feb-95 | NS | | NS | NS | NS | NS | NS | NS | NS | |
| | 23-May-95 | 5.32 | | 0.05 | 24.70 | NS | NS | NS | NS | NS | |
| | 16-Aug-95 | 5.97 | | -0.60 | 24.70 | NS | NS | NS | NS | NS | |
| | 21-Nov-95 | 6.78 | | -1.41 | 24.70 | NS | NS | NS | NS | NS | |
| | 13-Feb-96 | 5.14 | | 0.23 | 24.71 | NS | NS | NS | NS | NS | |
| | 13-May-96 | 5.64 | | -0.27 | NM | NS | NS | NS | NS | NS | |
| | 28-Aug-96 | 6.15 | | -0.78 | 24.67 | NS | NS | NS | NS | NS | |
| | 21-Nov-96 | 5.71 | | -0.34 | 24.65 | NS | NS | NS | NS | NS | |
| | 20-Feb-97 | 5.38 | | -0.01 | 24.79 | NS | NS | NS | NS | NS | |
| | 28-May-97 | 5.93 | | -0.56 | NM | NS | NS | NS | NS | NS | |
| | 19-Sep-97 | 6.15 | | -0.78 | 24.76 | NS | NS | NS | NS | NS | |
| | 17-Nov-97 | 6.06 | | -0.69 | 27.71 | NS | NS | NS | NS | NS | |
| | 27-Feb-98 | 4.74 | | 0.63 | 24.64 | NS | NS | NS | NS | NS | |

ARCADIS GERAGHTY & MILLER

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 | Top of Casing | Top of Water | Measured Depth | Calculated | Actual Purge Volume (gallons) | Field Measurements | | | Casing |
|------|-----------|---------------------|---------------------|---------------------|-----------------------|-------------------------------|-------------------------------------|--------------------|---------------|---------------|----------------------|
| | | Water (a) (feet) | Elevation (feet) | Elevation (feet) | of Well (a) (feet) | Purge Volume (b) (gallons) | | pH | Temp. (°F) | SC (µS/cm) | Diameter (inches) |
| 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 | | -0.23 | 28.46 | 59.40 | 60 | 6.00 | 64.6 | >2,000 | |
| | 21-Feb-95 | 5.25 | | 0.13 | 28.30 | 45.64 | 46 | 7.46 | 69.5 | 910 | |
| | 23-May-95 | 5.10 | | 0.28 | 28.30 | 45.24 | 46 | 7.21 | 65.0 | 5,740 | |
| | 16-Aug-95 | 5.42 | | -0.04 | 28.30 | 45.76 | 46 | 7.36 | 66.8 | 5,560 | |
| | 21-Nov-95 | 6.28 | | -0.90 | 28.30 | 42.99 | 44 | 7.29 | 65.9 | 5,650 | |
| | 13-Feb-96 | 4.64 | | 0.74 | 28.39 | 61.75 | >62 | 7 | 70.1 | 7,050 | |
| | 13-May-96 | 5.36 | | 0.02 | NM | 59.88 (f) | >60 | 6.5 | 76.6 | 15,030 | |
| | 28-Aug-96 | 6.20 | | -0.82 | 28.30 | 57.46 | >58 | 7.4 | 76.4 | 3,980 | |
| | 21-Nov-96 | 6.12 | | -0.74 | 28.30 | 57.66 | >58 | 6.5 | 75.2 | 8,400 | |
| | 20-Feb-97 | 5.70 | | -0.32 | 28.46 | 59.17 | >60 | 6.5 | 63.9 | 4,410 | |
| | 28-May-97 | 5.46 | | -0.08 | NM | 59.80 (f) | >60 | 7.5 | 71.3 | 9,790 | |
| | 19-Sep-97 | 5.91 | | -0.53 | 28.49 | 58.72 | >59 | 7.3 | 71.4 | 4,910 | |
| | 17-Nov-97 | 5.59 | | -0.21 | 23.39 | 46.28 | >47 | 6.97 | 71.0 | 6,410 | |
| | 27-Feb-98 | 4.68 | | 0.70 | 23.40 | 74.63 | >75 | 6.80 | 64.0 | 7,070 | |

ARCADIS GERAGHTY&MILLER

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 | Top of Casing | Top of Water | Measured Depth | Calculated | Field Measurements | | | Casing |
|------|-----------|-----------|---------------------|---------------------|----------------|-------------------------------|-------------------------------------|------|---------------|---------------|
| | | Water (a) | Elevation (feet) | Elevation (feet) | of Well (a) | Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | pH | Temp. (°F) | SC (µS/cm) |
| MW-8 | 12-Sep-94 | 6.46 | 5.44 | -1.02 | 25.15 | 48.56 | 55 | (e) | (e) | 11,400 |
| | 23-Nov-94 | 6.01 | | -0.57 | 25.66 | 78.60 | 75 | 5.60 | 61.5 | >2,000 |
| | 21-Feb-95 | NS | | NS | NS | NS | NS | NS | NS | NS |
| | 23-May-95 | 5.53 | | -0.09 | 25.40 | NS | NS | NS | NS | NS |
| | 16-Aug-95 | 5.68 | | -0.24 | 25.40 | NS | NS | NS | NS | NS |
| | 21-Nov-95 | 6.37 | | -0.93 | 25.40 | NS | NS | NS | NS | NS |
| | 13-Feb-96 | 5.36 | | 0.08 | 25.54 | NS | NS | NS | NS | NS |
| | 13-May-96 | 5.62 | | -0.18 | NM | NS | NS | NS | NS | NS |
| | 28-Aug-96 | 6.17 | | -0.73 | 25.52 | NS | NS | NS | NS | NS |
| | 21-Nov-96 | 5.74 | | -0.30 | 25.45 | 51.24 | >52 | 6.5 | 73.6 | 9,300 |
| | 20-Feb-97 | 5.10 | | 0.34 | 25.54 | 53.14 | >54 | 6.5 | 61.5 | 4,950 |
| | 28-May-97 | 5.68 | | -0.24 | NM | 51.63 (f) | >54 | 7.5 | 71.2 | 14,930 |
| | 19-Sep-97 | 5.95 | | -0.51 | 25.41 | 50.60 | >51 | 7.0 | 67.8 | 7,860 |
| | 17-Nov-97 | 5.91 | | -0.47 | 25.59 | 51.17 | >52 | 7.49 | 70.2 | 8,320 |
| | 27-Feb-98 | 4.50 | | 0.94 | 25.58 | 54.80 | >55 | 7.00 | 63.8 | 6,310 |

(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.

(f) Purge volume estimated using well depth-to-bottom measurements from previous quarter.

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.

ARCADIS GERAGHTY& MILLER

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 Gasoline (a) ($\mu\text{g/L}$) | TPH Diesel (a) ($\mu\text{g/L}$) | Benzene (b) ($\mu\text{g/L}$) | Toluene (b) ($\mu\text{g/L}$) | Ethylbenzene (b) ($\mu\text{g/L}$) | Xylenes (b) ($\mu\text{g/L}$) | MTBE (b) ($\mu\text{g/L}$) | Total Dissolved Solids (c) (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 |
| | 23-May-95 | ND(<50) | 300 | ND(<0.5) | ND(<0.5) | 2.1 | 2.0 | | 3,800 |
| | 16-Aug-95 | ND(<50) | 740 | ND(<0.5) | ND(<0.5) | 1.4 | 1.4 | | 3,800 |
| | 21-Nov-95 | ND(<50) | 410 | ND(<0.5) | ND(<0.5) | 0.7 | 0.8 | | 4,100 |
| | 13-Feb-96 | ND(<50) | 400 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 3,600 |
| | 13-May-96 | 310 (k) | 12,000 | 13 | 14 | 2.4 | 11 | | 3,500 |
| | 28-Aug-96 | 11,000 (k) | 56,000 | 110 | ND(<50) | ND(<50) | ND(<50) | | 3,300 |
| | 21-Nov-96 | 65 (k) | 1,500 | 3.3 | 0.51 | 0.59 | 0.84 | | 3,400 |
| | 20-Feb-97 | 2,900 (k) | 200,000 | 260 | 61 | 42 | 96 | | 1,400 |
| | 28-May-97 | 2,100 | 28,000 (o) | 230 | 42 | 55 | 110 | | 3,100 |
| | 19-Sep-97 | 110,000 | 2,700,000 | 230 | 140 | 250 | 700 | ND (<500) | 3,200 |
| | 17-Nov-97 | 40,000 (r) | 950,000 (r) | 240 (r) | 190 (r) | 270 (r) | 880 (r) | ND (<300) (r) | 3,400 |
| | 27-Feb-98 | 380,000 (r) | 1,200,000 | 50 | 50 | 200 | 800 | ND (<500) | 3,600 |

ARCADIS GERAGHTY & MILLER

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 Gasoline (a) ($\mu\text{g/L}$) | TPH Diesel (a) ($\mu\text{g/L}$) | Benzene (b) ($\mu\text{g/L}$) | Toluene (b) ($\mu\text{g/L}$) | Ethylbenzene (b) ($\mu\text{g/L}$) | Xylenes (b) ($\mu\text{g/L}$) | MTBE (b) ($\mu\text{g/L}$) | Total Dissolved Solids (c) (mg/L) |
|------|-----------|---|---------------------------------------|------------------------------------|------------------------------------|---|------------------------------------|---------------------------------|---|
| 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 | | -- |
| | 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 |
| | 23-May-95 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 5,100 |
| | 16-Aug-95 | ND(<50) | 190 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 5,400 |
| | 21-Nov-95 | ND(<50) | 180 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 5,800 |
| | 13-Feb-96 | ND(<50) | 1,500 | ND(<0.5) | ND(<0.5) | ND(<0.5) | 8.7 | | 1,100 |
| | 13-May-96 | ND(<50) | 25,000 (l) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 150 |
| | 28-Aug-96 | ND(<50) | 680 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 410 |
| | 21-Nov-96 | ND(<50) | 1,800 (n) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 720 |
| | 20-Feb-97 | ND(<50) | 1,000 (n) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | | 1,400 |
| | 28-May-97 | ND(<50) | 3,700 (n) (o) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | | 830 |
| | 19-Sep-97 | ND(<50) | 4,100 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 1,200 |
| | 17-Nov-97 | ND(<50) | 1,300 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 340 |
| | 27-Feb-98 | ND(<50) | 340 | ND(<0.5) | 0.9 | ND(<0.5) | ND(<2) | ND(<5) | 210 |

ARCADIS GERAGHTY&MILLER

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 Gasoline (a) ($\mu\text{g/L}$) | TPH Diesel (a) ($\mu\text{g/L}$) | Benzene (b) ($\mu\text{g/L}$) | Toluene (b) ($\mu\text{g/L}$) | Ethylbenzene (b) ($\mu\text{g/L}$) | Xylenes (b) ($\mu\text{g/L}$) | MTBE (b) ($\mu\text{g/L}$) | Total Dissolved Solids (c) (mg/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 |
| | 23-May-95 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 4,100 |
| | 16-Aug-95 | ND(<50) | 240 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 4,100 |
| | 21-Nov-95 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 4,200 |
| | 13-Feb-96 | ND(<50) | 72 | 16 | ND(<0.5) | ND(<0.5) | 0.73 | | 3,400 |
| | 13-May-96 | ND(<50) | 250 (m) | 1.7 | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 3,700 |
| | 28-Aug-96 | ND(<50) | 1,200 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 2,200 |
| | 21-Nov-96 | ND(<50) | ND(<50) | 0.82 | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 3,500 |
| | 20-Feb-97 | ND(<50) | 140 (n) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | | 2,900 |
| | 28-May-97 | ND(<50) | 240 (n) (o) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | | 1,900 |
| | 19-Sep-97 | ND(<50) | ND(<50) | 0.7 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 3,300 |
| | 17-Nov-97 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 3,400 |
| | 27-Feb-98 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 3,800 |

ARCADIS GERAGHTY&MILLER

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 Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethylbenzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) | Total Dissolved Solids (c) (mg/L) |
|------|-----------|----------------------------|--------------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------|--------------------------------------|
| 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 | 14 | | 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 |
| | 23-May-95 | ND(<50) | 270 | 5.3 | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 8,300 |
| | 16-Aug-95 | ND(<50) | 610 | 4.1 | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 7,100 |
| | 21-Nov-95 | ND(<50) | 280 | 1.0 | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 9,800 |
| | 13-Feb-96 | 980 (i) | 7,500 | 570 | ND(<0.5) | 9.2 | 13 | | 3,600 |
| | 13-May-96 | 150 (k) | 1,200 | 45 | ND(<1.0) | ND(<1.0) | 1.5 | | 7,900 |
| | 28-Aug-96 | 70,000 (k) | 1,300,000 | 340 | ND(<200) | ND(<200) | ND(<200) | | 1,800 |
| | 21-Nov-96 | 52,000 (i) | 40,000 | 130 | ND(<100) | ND(<100) | ND(<100) | | 5,400 |
| | 20-Feb-97 | 64,000 (i) | 470,000 | ND(<100) | ND(<100) | ND(<100) | ND(<100) | | 1,500 |
| | 28-May-97 | 11,000 (i) | 1,000,000 (o) | ND(<100) | ND(<100) | ND(<100) | ND(<100) | | 1,700 |
| | 19-Sep-97 | 37,000 | 2,600,000 | 260 | ND(<30) | ND(<30) | ND(<100) | ND(<300) | 2,700 |
| | 17-Nov-97 | 4,400 (r) | 57,000 (r) | 25 (r) | ND(<5) (r) | ND(<5) (r) | ND(<20) (r) | ND(<50) (r) | 7,900 |
| | 27-Feb-98 | 580 | 9,300 | 2.7 | 0.8 | 0.8 | 3 | ND(<50) | 9,700 |

ARCADIS GERAGHTY& MILLER

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 Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethylbenzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) | Total Dissolved Solids (c) (mg/L) |
|------|-----------|----------------------------|--------------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------|--------------------------------------|
| 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 |
| | 23-May-95 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 4,100 |
| | 16-Aug-95 | ND(<50) | 590 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 2,800 |
| | 21-Nov-95 | ND(<50) | 500 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 2,800 |
| | 13-Feb-96 | ND(<50) | 830 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 3,000 |
| | 13-May-96 | ND(<50) | 870 | 0.59 | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 2,700 |
| | 28-Aug-96 | ND(<50) | 1,000 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 2,000 |
| | 21-Nov-96 | ND(<50) | 610 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 2,700 |
| | 20-Feb-97 | ND(<50) | 1,100 (n) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | | 1,300 |
| | 28-May-97 | 60 (i) | 560 (p) (o) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | | 2,500 |
| | 19-Sep-97 | 70 | 1,000 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 2,400 |
| | 17-Nov-97 | 70 | 1,100 | 0.6 | 0.7 | 0.5 | ND(<2) | 5 | 2,800 |
| | 27-Feb-98 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | 5 | 330 |

ARCADIS GERAGHTY & MILLER

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 Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethylbenzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) | Total Dissolved Solids (c) (mg/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 |
| | 23-May-95 | NS | NS | NS | NS | NS | NS | | NS |
| | 16-Aug-95 | NS | NS | NS | NS | NS | NS | | NS |
| | 21-Nov-95 | NS | NS | NS | NS | NS | NS | | NS |
| | 13-Feb-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 13-May-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 28-Aug-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 21-Nov-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 20-Feb-97 | NS | NS | NS | NS | NS | NS | | NS |
| | 28-May-97 | NS | NS | NS | NS | NS | NS | | NS |
| | 19-Sep-97 | NS | NS | NS | NS | NS | NS | NS | NS |
| | 17-Nov-97 | NS | NS | NS | NS | NS | NS | NS | NS |
| | 27-Feb-98 | NS | 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 |
| | 23-May-95 | ND(<50) | 360 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 3,400 |
| | 16-Aug-95 | 53 | 1,100 | 0.5 | ND(<0.5) | ND(<0.5) | 0.5 | | 4,000 |
| | 21-Nov-95 | 87 | 9,100 | 1.4 | ND(<0.5) | 1.0 | 1.5 | | 4,200 |
| | 13-Feb-96 | 1,800,000 (j) | 5,000,000 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | | 3,900 |
| | 13-May-96 | ND(<50,000) | 2,300,000 | ND(<500) | ND(<500) | ND(<500) | 500 (i) | | 3,500 |
| | 28-Aug-96 | 59,000 (k) | 640,000 | ND(<200) | ND(<200) | ND(<200) | 600 | | 3,100 |
| | 21-Nov-96 | 3,800 (k) | 780,000 | 130 | 93 | 33 | 64 | | 3,400 |
| | 20-Feb-97 | 15,000 (i) | 1,500,000 | 81 | 51 | ND(<50) | ND(<50) | | 3,300 |
| | 28-May-97 | 390,000 (i) | 440,000 (o) | ND(<1000) | ND(<1000) | ND(<1000) | ND(<1000) | | 3,500 |
| | 19-Sep-97 | 3,600 | 910,000 | 110 | 64 | 37 | ND(<100) | ND(<300) | 3,200 |
| | 17-Nov-97 | 15,000 (r) | 18,000,000 (r) | 110 (r) | 41 (r) | 12 (r) | 110 (r) | ND(<50) (r) | 3,300 |
| | 27-Feb-98 | 45,000 | 290,000 | 80 | 60 | ND(<50) | ND(<200) | ND(<500) | 3,300 |

FP

ARCADIS GERAGHTY & MILLER

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 Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethylbenzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) | Total Dissolved Solids (c) (mg/L) |
|-----------|-----------|----------------------------|--------------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------|--------------------------------------|
| MW-8 | 12-Sep-94 | 170 | 850 | 2.7 | 0.5 | ND(<0.5) | 2 | | 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 |
| | 23-May-95 | NS | NS | NS | NS | NS | NS | | NS |
| | 16-Aug-95 | NS | NS | NS | NS | NS | NS | | NS |
| | 21-Nov-95 | NS | NS | NS | NS | NS | NS | | NS |
| | 13-Feb-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 13-May-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 28-Aug-96 | NS | NS | NS | NS | NS | NS | | NS |
| | 21-Nov-96 | 400 (k) | 2,200 | 4.6 | 37 | 4.6 | 68 | | 5,100 |
| | 20-Feb-97 | 340 (k) | 2,500 | 2.1 | 53 | 7.1 | 94 | | 3,800 |
| | 28-May-97 | 480 (k) | 200 (q) {o} | 2.5 | 12 | ND(<2.5) | 76 | | 4,100 |
| | 19-Sep-97 | 1,000 | 7,000 | 0.8 | 5.0 | 0.5 | 130 | ND(<5) | 5,000 |
| 17-Nov-97 | 250 | 520 | 1.4 | 2.1 | 0.7 | 3 | ND(<5) | | 4,600 |
| | 27-Feb-98 | ND(<50) | 150 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) | 3,500 |

Notes appear on the following page.

ARCADIS GERAGHTY & MILLER

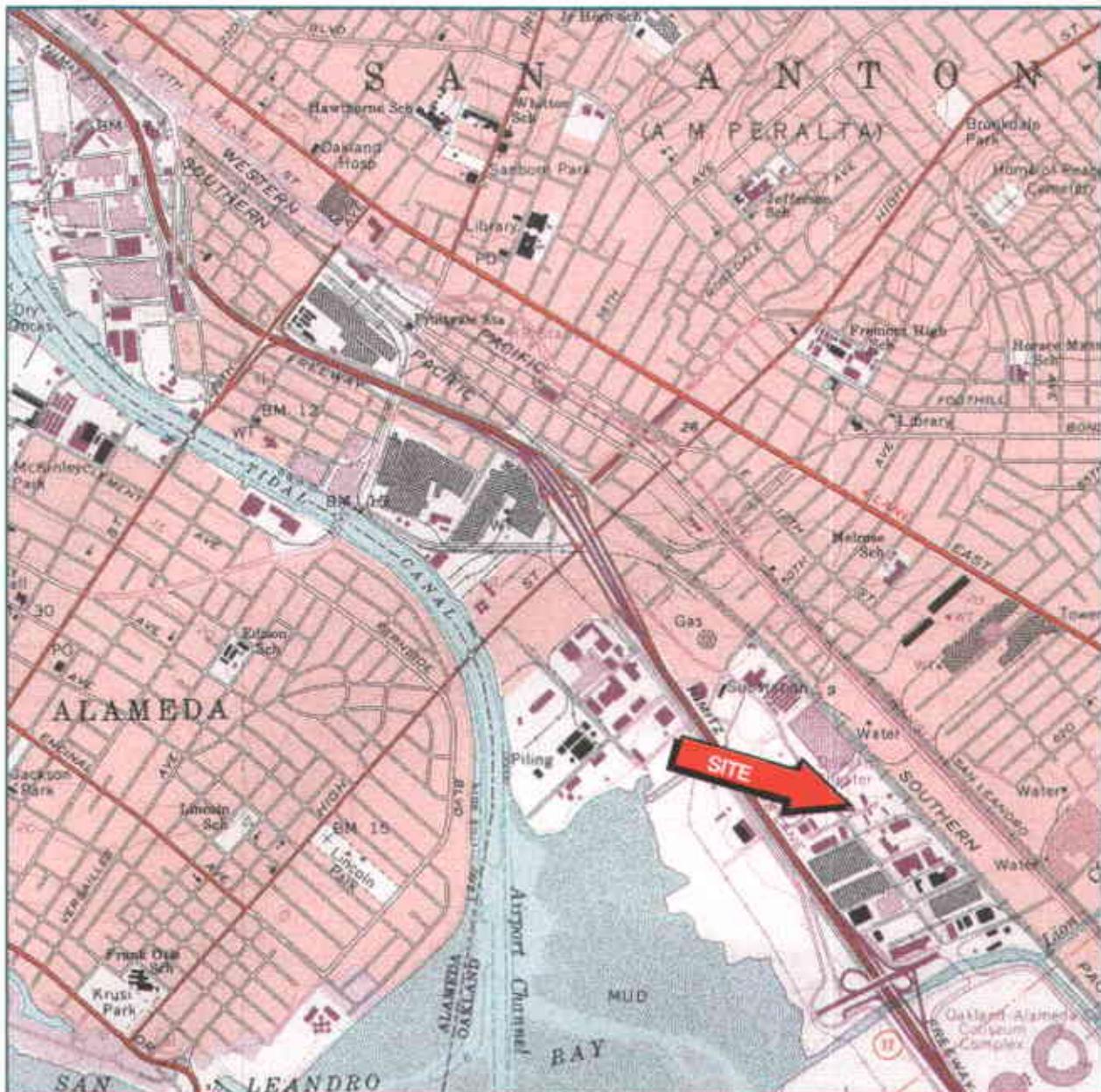
Table 2: Summary of Groundwater Analytical Results - Monthly and Quarterly Sampling

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

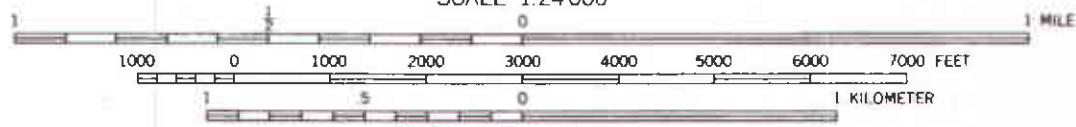
| Well | Date | TPH Gasoline (a) ($\mu\text{g}/\text{L}$) | TPH Diesel (a) ($\mu\text{g}/\text{L}$) | Benzene (b) ($\mu\text{g}/\text{L}$) | Toluene (b) ($\mu\text{g}/\text{L}$) | Ethylbenzene (b) ($\mu\text{g}/\text{L}$) | Xylenes (b) ($\mu\text{g}/\text{L}$) | MTBE (b) ($\mu\text{g}/\text{L}$) | Total Dissolved Solids (c) (mg/L) |
|------------------------|--|--|--|---|---|--|---|--|--|
| (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. | | | | | | | | |
| (i) | Laboratory reports that chromatogram indicates unidentified hydrocarbons >C8. | | | | | | | | |
| (j) | Laboratory reports that chromatogram indicates unidentified hydrocarbons >C9. | | | | | | | | |
| (k) | Laboratory reports that chromatogram indicates gasoline and unidentified hydrocarbons >C8. | | | | | | | | |
| (l) | Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C16. | | | | | | | | |
| (m) | Laboratory reports that chromatogram indicates diesel and discrete peaks. | | | | | | | | |
| (n) | Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C20. | | | | | | | | |
| (o) | 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. | | | | | | | | |
| (p) | Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C24. | | | | | | | | |
| (q) | Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons <C15. | | | | | | | | |
| (r) | Laboratory reports reporting limits for diesel and gas/BTEX elevated due to high levels of target compound. Samples run at dilution. | | | | | | | | |
| (s) | Laboratory reports analysis was performed outside of hold time due to improper preservation. Results are estimated. | | | | | | | | |
| () | Reported detection limit | | | | | | | | |
| -- | Not analyzed | | | | | | | | |
| ND | Not detected | | | | | | | | |
| $\mu\text{g}/\text{L}$ | Micrograms per liter | | | | | | | | |
| mg/L | Milligrams per liter | | | | | | | | |
| NS | Well not sampled or monitored during this quarterly event. | | | | | | | | |

Analysis prior to May 28, 1997 by Sequoia Analytical, Walnut Creek, California.

Analysis after May 28, 1997 by American Environmental Network (AEN), Pleasant Hill, California.



SCALE 1:24 000



CONTOUR INTERVAL 20 FEET



QUADRANGLE LOCATION

NORTH
EAST
WEST
SOUTH
TRUE GRID AND 1960 MAGNETIC NORTH
DEVIATION AT CENTER OF SHEET

Reference: U.S.G.S. 7-minute Quadrangle, Oakland East, California, revised, Photorevised 1980.



ARCADIS

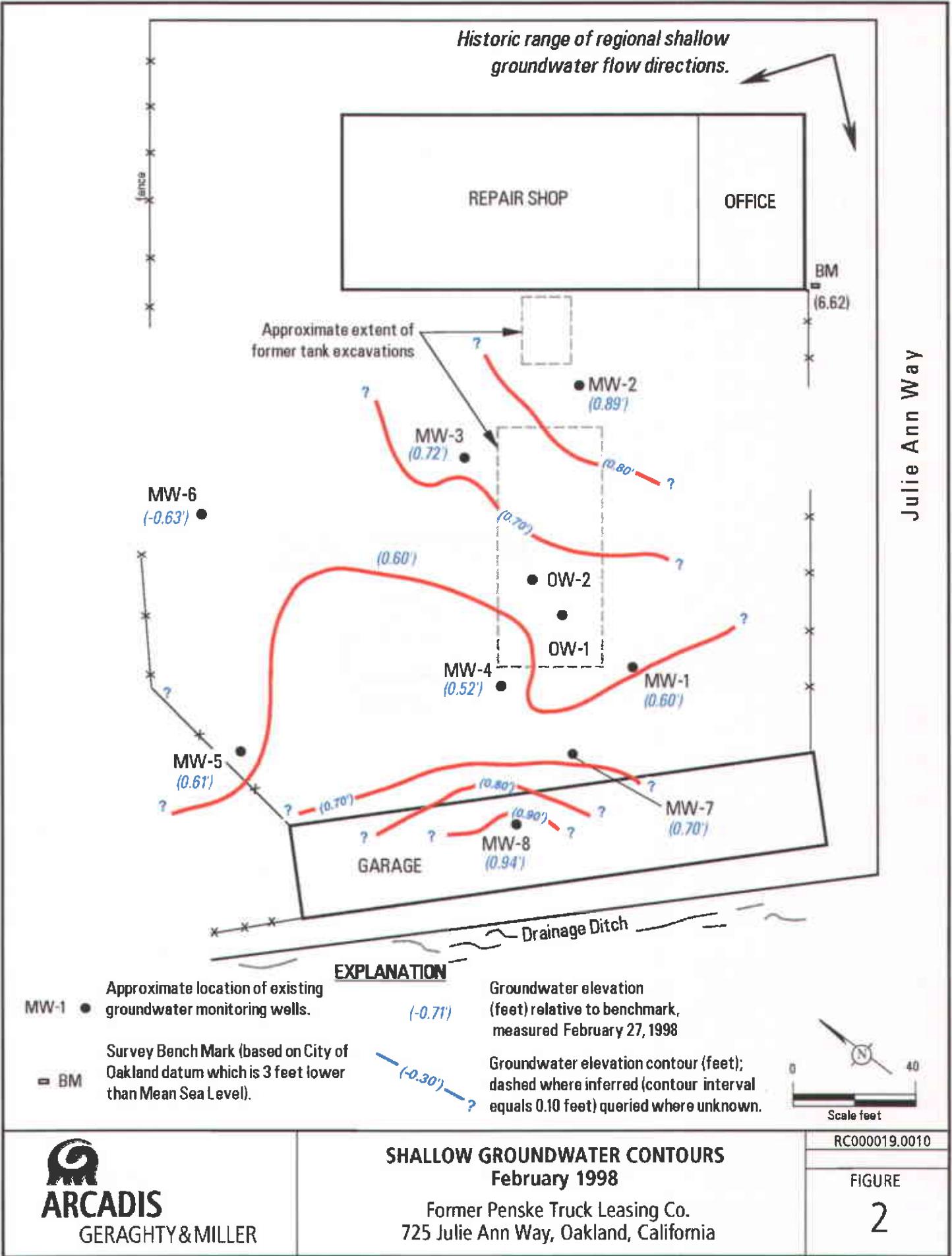
GERAGHTY & MILLER

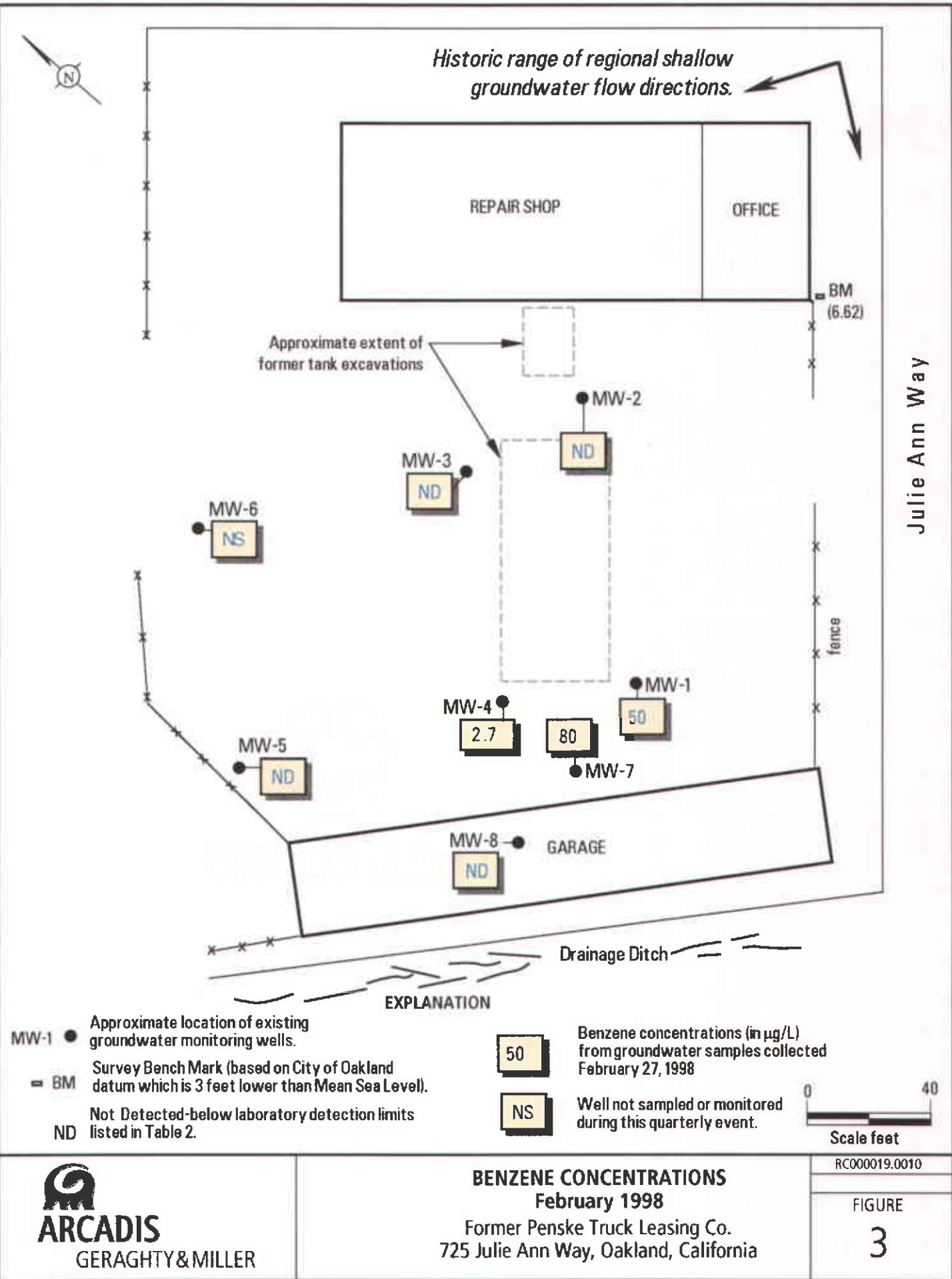
SITE LOCATION MAP
Former Penske Truck Leasing Co. Facility
725 Julie Ann Way
Oakland, California

RC000019.0000

FIGURE

1





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RC000019.0010

FIGURE

3

ATTACHMENT 1

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

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

GERAGHTY & MILLER, INC.
1050 MARINA WAY SOUTH
RICHMOND, CA 94804

REPORT DATE: 03/17/98

ATTN: T. PAYNE
CLIENT PROJ. ID: RC000019.0010

DATE(S) SAMPLED: 02/27/98

DATE RECEIVED: 03/02/98

AEN WORK ORDER: 9803009

PROJECT SUMMARY:

On March 2, 1998, this laboratory received 8 water sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

Reviewed by:

William Luboda

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-1
AEN LAB NO: 9803009-01
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | 50 * | 50 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | 50 * | 50 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | 200 * | 50 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | 800 * | 200 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | 380 * | 5 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 500 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 3,600 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/09/98 |
| TPH as Diesel | GC-FID | 1,200 * | 6 | mg/L | 03/11/98 |

Reporting limits for gas/BTEX and diesel elevated due to high levels of target compounds. Samples run at dilution.

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-2
AEN LAB NO: 9803009-02
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | 0.9 * | 0.5 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 5 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 210 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/09/98 |
| TPH as Diesel | GC-FID | 0.34 * | 0.05 | mg/L | 03/10/98 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-3
AEN LAB NO: 9803009-03
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 5 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 3,800 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/09/98 |
| TPH as Diesel | GC-FID | ND | 0.05 | mg/L | 03/10/98 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-4
AEN LAB NO: 9803009-04
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | 2.7 * | 0.5 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | 0.8 * | 0.5 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | 0.8 * | 0.5 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | 3 * | 2 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | 0.58 * | 0.05 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 5 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 9,700 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/09/98 |
| TPH as Diesel | GC-FID | 9.3 * | 0.05 | mg/L | 03/10/98 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-5
AEN LAB NO: 9803009-05
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 5 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 330 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/09/98 |
| TPH as Diesel | GC-FID | ND | 0.05 | mg/L | 03/10/98 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-7
AEN LAB NO: 9803009-06
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | 80 * | 50 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | 60 * | 50 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | ND | 50 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | ND | 200 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | 45 * | 5 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 500 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 3,300 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/11/98 |
| TPH as Diesel | GC-FID | 290 * | 2 | mg/L | 03/12/98 |

Reporting limits for gas/BTEX and diesel elevated due to high levels of target compounds. Samples run at dilution.

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: MW-8
AEN LAB NO: 9803009-07
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|------------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 5 | ug/L | 03/13/98 |
| Total Dissolved Solids | EPA 160.1 | 3,500 * | 10 | mg/L | 03/05/98 |
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 03/09/98 |
| TPH as Diesel | GC-FID | 0.15 * | 0.05 | mg/L | 03/10/98 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GERAGHTY & MILLER, INC.

SAMPLE ID: TB-LB
AEN LAB NO: 9803009-08
AEN WORK ORDER: 9803009
CLIENT PROJ. ID: RC000019.0010

DATE SAMPLED: 02/27/98
DATE RECEIVED: 03/02/98
REPORT DATE: 03/17/98

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 03/13/98 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 03/13/98 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 03/13/98 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 03/13/98 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 03/13/98 |
| Methyl t-Butyl Ether | 1634-04-4 | ND | 5 | ug/L | 03/13/98 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9803009
CLIENT PROJECT ID: RC000019.0010

Quality Control and Project Summary

Sample MW-7 had approximately 2 inches of product floating on the water in the liter bottle used for diesel analyses. Only the water layer was used for analysis of MW-7.

All other laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spikes(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analyses.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behaviour, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrument performance.

Q: Surrogates diluted out.

I: Interference.

!: Indicates result outside of established laboratory QC limits.

WORK ORDER: 9803009

QUALITY CONTROL REPORT

PAGE QR-2

ANALYSIS: Extractable TPH

MATRIX: Water

METHOD BLANK SAMPLES

| | | | | | |
|---------------|--------------------------|------------|-----------------|-------------|-------------------------|
| SAMPLE TYPE: | Blank-Method/Media blank | LAB ID: | BLKW-0309-1 | INSTR RUN: | GC C:\980301000000/109/ |
| INSTRUMENT: | HP 5890 | PREPARED: | 03/09/98 | BATCH ID: | DSEW030998-1 |
| UNITS: | mg/L | ANALYZED: | 03/09/98 | DILUTION: | 1.000000 |
| METHOD: | GC-FID | | | | |
| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) |
| Diesel | ND | | 0.05 | | |
| Motor Oil | ND | | 0.2 | | |
| n-Pentacosane | (surr) 92.6 | | | 100 | 92.6 |
| | | | | | REC LIMITS (%) |
| | | | | LOW | HIGH |
| | | | | 60 | 130 |
| | | | | RPD (%) | LIMIT (%) |

| | | | | | |
|---------------|--------------------------|------------|-----------------|----------------|-------------------------|
| SAMPLE TYPE: | Blank-Method/Media blank | LAB ID: | BLKW-0311-1 | INSTR RUN: | GC C:\980301000000/162/ |
| INSTRUMENT: | HP 5890 | PREPARED: | 03/11/98 | BATCH ID: | DSEW031198-1 |
| UNITS: | mg/L | ANALYZED: | 03/11/98 | DILUTION: | 1.000000 |
| METHOD: | GC-FID | | | | |
| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) |
| Diesel | ND | | 0.05 | | |
| Motor Oil | ND | | 0.2 | | |
| n-Pentacosane | (surr) 96.1 | | | 100 | 96.1 |
| | | | | REC LIMITS (%) | |
| | | | | LOW | HIGH |
| | | | | 60 | 130 |
| | | | | RPD (%) | LIMIT (%) |

LABORATORY CONTROL SAMPLES

| | | | | | |
|---------------|--------------------------|------------|-----------------|----------------|----------------------------|
| SAMPLE TYPE: | Laboratory Control Spike | LAB ID: | LCDW-0309-1 | INSTR RUN: | GC C:\980301000000/111/109 |
| INSTRUMENT: | HP 5890 | PREPARED: | 03/09/98 | BATCH ID: | DSEW030998-1 |
| UNITS: | mg/L | ANALYZED: | 03/09/98 | DILUTION: | 1.000000 |
| METHOD: | GC-FID | | | | |
| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) |
| Diesel | 1.82 | ND | 0.05 | 2.00 | 91.0 |
| n-Pentacosane | (surr) 94.5 | 92.6 | | 100 | 94.5 |
| | | | | REC LIMITS (%) | |
| | | | | LOW | HIGH |
| | | | | 60 | 130 |
| | | | | RPD (%) | LIMIT (%) |
| SAMPLE TYPE: | Laboratory Control Spike | LAB ID: | LCDW-0311-1 | INSTR RUN: | GC C:\980301000000/164/162 |
| INSTRUMENT: | HP 5890 | PREPARED: | 03/11/98 | BATCH ID: | DSEW031198-1 |
| UNITS: | mg/L | ANALYZED: | 03/11/98 | DILUTION: | 1.000000 |
| METHOD: | GC-FID | | | | |
| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) |
| Diesel | 1.94 | ND | 0.05 | 2.00 | 97.0 |
| n-Pentacosane | (surr) 100.1 | 96.1 | | 100 | 100 |
| | | | | REC LIMITS (%) | |
| | | | | LOW | HIGH |
| | | | | 60 | 130 |
| | | | | RPD (%) | LIMIT (%) |
| SAMPLE TYPE: | Laboratory Control Spike | LAB ID: | LCSW-0309-1 | INSTR RUN: | GC C:\980301000000/110/109 |
| INSTRUMENT: | HP 5890 | PREPARED: | 03/09/98 | BATCH ID: | DSEW030998-1 |
| UNITS: | mg/L | ANALYZED: | 03/09/98 | DILUTION: | 1.000000 |
| METHOD: | GC-FID | | | | |
| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) |
| Diesel | 1.82 | ND | 0.05 | 2.00 | 91.0 |
| n-Pentacosane | (surr) 96.5 | 92.6 | | 100 | 96.5 |
| | | | | REC LIMITS (%) | |
| | | | | LOW | HIGH |
| | | | | 60 | 130 |
| | | | | RPD (%) | LIMIT (%) |
| SAMPLE TYPE: | Laboratory Control Spike | LAB ID: | LCSW-0311-1 | INSTR RUN: | GC C:\980301000000/163/162 |
| INSTRUMENT: | HP 5890 | PREPARED: | 03/11/98 | BATCH ID: | DSEW031198-1 |
| UNITS: | mg/L | ANALYZED: | 03/11/98 | DILUTION: | 1.000000 |
| METHOD: | GC-FID | | | | |
| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) |
| Diesel | 1.83 | ND | 0.05 | 2.00 | 91.5 |
| n-Pentacosane | (surr) 99.1 | 96.1 | | 100 | 99.1 |
| | | | | REC LIMITS (%) | |
| | | | | LOW | HIGH |
| | | | | 60 | 130 |
| | | | | RPD (%) | LIMIT (%) |

WORK ORDER: 9803009

QUALITY CONTROL REPORT

PAGE QR-3

ANALYSIS: Extractable TPH

MATRIX: Water

LABORATORY CONTROL DUPLICATES

| | | | | | | | | | | |
|---------------|-------------------------------------|------|------------|-----------|-------------|----------------|------------|---------------------------|---------|-----------|
| SAMPLE TYPE: | Laboratory Control Sample Duplicate | | | LAB ID: | LCRW-0309-1 | | INSTR RUN: | GC C:\98030100000/112/110 | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/09/98 | | BATCH ID: | DSCW030998-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/09/98 | | DILUTION: | 1.000000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| Diesel | 1.82 | 1.82 | LIMIT 0.05 | VALUE 0.2 | (%) 94.5 | LOW 60 | HIGH 130 | | 0 | 20 |
| Motor Oil | ND | ND | | | | | | | 0 | |
| n-Pentacosane | (surr) | 94.5 | 96.5 | | | | | | | |

| | | | | | | | | | | |
|---------------|-------------------------------------|-------|------------|-----------|-------------|----------------|------------|---------------------------|---------|-----------|
| SAMPLE TYPE: | Laboratory Control Sample Duplicate | | | LAB ID: | LCRW-0311-1 | | INSTR RUN: | GC C:\98030100000/175/163 | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/11/98 | | BATCH ID: | DSCW031198-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/11/98 | | DILUTION: | 1.000000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| Diesel | 1.94 | 1.83 | LIMIT 0.05 | VALUE 0.2 | (%) 100.1 | LOW 60 | HIGH 130 | | 5.84 | 20 |
| Motor Oil | ND | ND | | | | | | | 0 | |
| n-Pentacosane | (surr) | 100.1 | 99.1 | | | | | | | |

SAMPLE SURROGATES

| | | | | | | | | | | |
|---------------|---------------|-----|------------|-----------|-------------|----------------|------------|------------------------|---------|-----------|
| SAMPLE TYPE: | Sample-Client | | | LAB ID: | 9803009-01C | | INSTR RUN: | GC C:\98030100000/351/ | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/09/98 | | BATCH ID: | DSCW030998-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/11/98 | | DILUTION: | 50.00000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| n-Pentacosane | (surr) | 0 | LIMIT 5000 | VALUE 0 | (%) 60 | LOW 60 | HIGH 130 | | | |

| | | | | | | | | | | |
|---------------|---------------|-------|-----------|-----------|-------------|----------------|------------|------------------------|---------|-----------|
| SAMPLE TYPE: | Sample-Client | | | LAB ID: | 9803009-02C | | INSTR RUN: | GC C:\98030100000/153/ | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/09/98 | | BATCH ID: | DSCW030998-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/10/98 | | DILUTION: | 1.000000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| n-Pentacosane | (surr) | 102.9 | LIMIT 100 | VALUE 103 | (%) 60 | LOW 60 | HIGH 130 | | | |

| | | | | | | | | | | |
|---------------|---------------|------|-----------|------------|-------------|----------------|------------|------------------------|---------|-----------|
| SAMPLE TYPE: | Sample-Client | | | LAB ID: | 9803009-03C | | INSTR RUN: | GC C:\98030100000/149/ | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/09/98 | | BATCH ID: | DSCW030998-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/10/98 | | DILUTION: | 1.000000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| n-Pentacosane | (surr) | 91.9 | LIMIT 100 | VALUE 91.9 | (%) 60 | LOW 60 | HIGH 130 | | | |

| | | | | | | | | | | |
|---------------|---------------|-------|-----------|-----------|-------------|----------------|------------|------------------------|---------|-----------|
| SAMPLE TYPE: | Sample-Client | | | LAB ID: | 9803009-04C | | INSTR RUN: | GC C:\98030100000/150/ | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/09/98 | | BATCH ID: | DSCW030998-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/10/98 | | DILUTION: | 1.000000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| n-Pentacosane | (surr) | 100.8 | LIMIT 100 | VALUE 101 | (%) 60 | LOW 60 | HIGH 130 | | | |

| | | | | | | | | | | |
|---------------|---------------|------|-----------|------------|-------------|----------------|------------|------------------------|---------|-----------|
| SAMPLE TYPE: | Sample-Client | | | LAB ID: | 9803009-05C | | INSTR RUN: | GC C:\98030100000/152/ | | |
| INSTRUMENT: | HP 5890 | | | PREPARED: | 03/09/98 | | BATCH ID: | DSCW030998-1 | | |
| UNITS: | mg/L | | | ANALYZED: | 03/10/98 | | DILUTION: | 1.000000 | | |
| METHOD: | GC-FID | | | | | | | | | |
| ANALYTE | RESULT | REF | REPORTING | SPIKE | RECOVERY | REC LIMITS (%) | | | RPD (%) | LIMIT (%) |
| n-Pentacosane | (surr) | 92.8 | LIMIT 100 | VALUE 92.8 | (%) 60 | LOW 60 | HIGH 130 | | | |

WORK ORDER: 9803009

QUALITY CONTROL REPORT

PAGE QR-4

ANALYSIS: Extractable TPH

MATRIX: Water

SAMPLE SURROGATES

| | | | | | | | | |
|----------------------------|---------------------|-----------------------------------|-----------------|-----------------|--------------|----------------|----------|-----------|
| SAMPLE TYPE: Sample-Client | LAB ID: 9803009-06C | INSTR RUN: GC C:\98030100000/214/ | | | | | | |
| INSTRUMENT: HP 5890 | PREPARED: 03/11/98 | BATCH ID: DSEW031198-1 | | | | | | |
| UNITS: mg/L | ANALYZED: 03/12/98 | DILUTION: 100.0000 | | | | | | |
| METHOD: GC-FID | | | | | | | | |
| ANALYTE n-Pentacosane | RESULT D | REF RESULT | REPORTING LIMIT | SPIKE VALUE (%) | RECOVERY (%) | REC LIMITS (%) | RPD (%) | LIMIT (%) |
| | | | | 100 | 0 ! | LOW 60 | HIGH 130 | |

| | | | | | | | | |
|----------------------------|---------------------|-----------------------------------|-----------------|-----------------|--------------|----------------|----------|-----------|
| SAMPLE TYPE: Sample-Client | LAB ID: 9803009-07C | INSTR RUN: GC C:\98030100000/151/ | | | | | | |
| INSTRUMENT: HP 5890 | PREPARED: 03/09/98 | BATCH ID: DSEW030998-1 | | | | | | |
| UNITS: mg/L | ANALYZED: 03/10/98 | DILUTION: 1.000000 | | | | | | |
| METHOD: GC-FID | | | | | | | | |
| ANALYTE n-Pentacosane | RESULT 103.8 | REF RESULT | REPORTING LIMIT | SPIKE VALUE (%) | RECOVERY (%) | REC LIMITS (%) | RPD (%) | LIMIT (%) |
| | | | | 100 | 104 | LOW 60 | HIGH 130 | |

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9803009

INSTRUMENT: H

MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery |
|---------------|------------|---------|------------------|
| | | | Fluorobenzene |
| 03/13/98 | MW-1 | 01 | 102 |
| 03/13/98 | MW-2 | 02 | 101 |
| 03/13/98 | MW-3 | 03 | 101 |
| 03/13/98 | MW-4 | 04 | 101 |
| 03/13/98 | MW-5 | 05 | 101 |
| 03/13/98 | MW-7 | 06 | 101 |
| 03/13/98 | MW-8 | 07 | 101 |
| 03/13/98 | TB-LB | 08 | 102 |
| QC Limits: | | | 70-130 |

DATE ANALYZED: 03/12/98

SAMPLE SPIKED: 9803009-09

INSTRUMENT: H

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Percent Recovery | RPD | QC Limits | |
|---------------|--------------------|------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| Benzene | 200 | 90 | 12 | 70-130 | 20 |
| Toluene | 200 | 91 | 15 | 70-130 | 20 |
| Ethylbenzene | 200 | 97 | 14 | 70-130 | 20 |
| Total Xylenes | 600 | 99 | 18 | 70-130 | 20 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

