ENVIRONMENTAL

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Manmohan S. Chopra 4216 Warbler Loop FREMONT, CA 94555

August 12, 1997

Alameda County Department of Environmental Health 1131 Harbor May Parkway, 2nd Floor ALAMEDA, CA 94502-6577

ATTN:

Mr Scott Seery

SUB:

Quarterly Ground Water Monitoring & Sampling Report

1401 Grand Ave. San Leandro, CA

Dear Mr Seery,

Attached, for your review and records, please find a copy of Quarterly Ground Water Monitoring and Sampling Report for the above site. The report is self explanatory and is in standard format. However, if you have any questions or comments, please contact the undersigned at 510-790-9252 or write me at the above address.

Sincerely,

Manmohan S. Chopra

Mccopso

Property Owner

### P & D ENVIRONMENTAL

A Division of Paul H. King, Inc. 4020 Panama Court Oakland, CA 94611 (510) 658-6916

> August 1, 1997 Report 0055.R10

Mr. Manmohan Chopra 4216 Warbler Loop Fremont, CA 94555

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT

Former ARCO Service Station

1401 Grand Avenue

San Leandro, California

Dear Mr. Chopra:

P&D Environmental, a division of Paul H. King, Inc. (P&D), is pleased to present this report documenting the results of the quarterly monitoring and sampling of the eight groundwater monitoring wells at or near the subject site. This work was performed in accordance with P&D's proposal 041597.Pl dated April 15, 1997. All of the wells were monitored and sampled on July 14, 1997. The reporting period is for April through June, 1997. A Site Location Map (Figure 1) and Site Plan (Figure 2) are attached with this report.

#### BACKGROUND

The site is presently used as an active gasoline station. It is P&D's understanding that on April 24, 1991 Aegis Environmental, Inc. (Aegis) personnel drilled four soil borings, designated as B-1 through B-4, to a vertical depth of approximately 40 feet at the site. The locations of the borings are shown on Figure 2. A total of nine soil samples collected from the boreholes were analyzed for total petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8260; and for total lead by EPA Method 7420. TPH-G concentrations ranged from below detection limit to 66 parts per million (ppm). Benzene concentrations ranged from not detected to 0.94 ppm. Total lead concentrations ranged from not detected to 3 ppm. Documentation of the subsurface investigation and results are presented in a report prepared by Aegis titled, "Soil Boring Results Report," dated June 10, 1991.

It is P&D's understanding that on April 14, 1992 Aegis personnel returned to the site to drill three slant borings, designated as B5 through B7, to a total vertical depth of approximately 49 feet at the site. The borings were drilled at an angle of approximately 26 to 28 degrees to collect samples from beneath the underground storage tanks. The locations of the borings are shown on Figure 2. A total of twenty-two soil samples were analyzed for TPH-G using EPA Method 5030; and for BTEX using EPA Method 8240. In addition, one of the samples was analyzed for total lead using EPA Method 7420, and several of the soil samples were analyzed for soluble lead using the California Waste Extraction Test. TPH-G concentrations ranged from not detected to 4,000 ppm. Benzene, concentrations ranged from not detected to 11 ppm. Total lead was not detected, and soluble lead concentrations ranged from not detected to 0.061 ppm. Documentation of the subsurface investigation and results are presented in a report prepared by Aegis titled, "Initial Subsurface Investigation Results Report," dated June 22, 1992.

It is P&D's understanding that between September 15 and 18, 1992 Aegis personnel returned to the site to install five groundwater monitoring wells, designated as MW1 through MW5. The wells were drilled to total depths of between 50 and 55 feet, and were constructed using four-inch diameter PVC pipe. Wells MW1 and MW2 were constructed with perforated casing between the depths of approximately 15 and 55 feet. Wells MW3, MW4 and MW5 were constructed with perforated casing between the depths of approximately 35 and 55 feet.

Groundwater was reported to have been first encountered at a depth of 42 feet. The locations of the wells are shown in Figure 2.

A total of thirty-one soil samples were analyzed for TPH-G using EPA Method 5030/8015; and for BTEX using EPA Method 8020. In addition, three soil samples containing TPH-G were analyzed for total metals concentrations of cadmium, chromium, lead, and zinc using EPA Method 6010 and 7421. One soil sample was collected from each borehole from below the air-water interface and analyzed for petrophysical properties, including saturated permeability and grain size distribution.

TPH-G concentrations ranged from not detected to 39 ppm. Benzene concentrations ranged from not detected to 0.27 ppm. The total metals concentrations were all less than 10 times their respective STLC values. The subsurface materials encountered in the borings indicate that soil types vary across the site, but generally consist of silty clay, silt, clayer silt and sandy silt from the surface to a depth of between 30 and 35 feet. Below the depth of 30 to 35 feet, layers of sand and sandy silt were reported to have been encountered.

It is P&D's understanding that on September 29, 1992 Aegis personnel collected groundwater samples from wells MW1, MW2, MW4 and MW5 at the site. A sample was not collected from well MW-3 due to the reported presence of 0.02 feet of floating hydrocarbons. The measured depth to water ranged from approximately 41.5 to 44.5 feet. The samples were analyzed for TPH-G using EPA Method 5030/8015; and for BTEX using EPA Method 8020. TPH-G concentrations ranged from 0.06 to 20 ppm, and benzene concentrations ranged from 0.16 to 10 ppm. Based upon the water level measurements in the wells, the groundwater flow direction was reported to be to the northwest. The water level measurements are summarized in Table 1. The analytical results are summarized in Table 2.

It is P&D's understanding that on October 7, 1992 Aegis personnel performed rising head slug tests wells MW1, MW2, and MW4 to estimate the saturated hydraulic conductivity at the site. In addition, two short-term soil vapor extraction tests were performed on wells MW1 and MW2. Wells MW-3, MW-4, and MW-5 were used as vacuum influence monitoring points. Documentation of the monitoring well groundwater sample collection, slug test and vapor extraction tests are presented in a report prepared by Aegis titled, "Problem Assessment Report," dated December 16, 1992.

On February 18, 1994 P&D personnel monitored the five groundwater monitoring wells at the site for depth to water and the presence of free product or sheen. The depth to water was measured using an electric water level indicator, and the presence of free product and sheen was evaluated using a transparent bailer. The measured depth to water in the wells ranged from approximately 39.8 to 42.9 feet. No evidence of free product or sheen was detected in any of the wells. Based on the measured depth to water in the wells, the groundwater flow direction was calculated to be to the north with a gradient of 0.054. In a letter dated October 19, 1995 Mr. Scott Seery of the Alameda County Department of Environmental Health requested that all of the onsite and offsite wells be monitored and sampled for the quarterly monitoring and sampling program. The measured depth to water in the wells is presented in Table 1.

On June 15 and 16, 1995 P&D installed three offsite monitoring wells, designated as MW6 through MW8. The locations of the wells are shown on Figure 2. Documentation of the well installation and sample results is presented in P&D's report 0055.R5 dated August 23, 1995.

On May 6, 1997 P&D personnel oversaw the removal of the four USTs located on-site by Bernabe and Brinker, Inc. of Oakland, California. Following UST removal, P&D personnel collected six soil samples designated as TP1 through TP6

from the bottom of the UST, and four soil samples designated as DP1 through DP4 from beneath the dispensers. In addition, P&D personnel collected two 4-point composite soil samples (designated as COMP A and COMP B) from the stockpiled soil that was generated during UST removal activities.

On May 10, 1997 following UST pit over-excavation, P&D personnel collected confirmation soil samples designated as TP7 through TP17 from the UST pit side walls and floor, and confirmation soil samples from beneath the dispensers designated as DP5 and DP6. In addition, P&D personnel collected eight 4-point composite soil samples (designated as COMP C through COMP J) from the stockpiled soil that was generated during over-excavation activities.

During over-excavation activities, the top of well MW1 was removed. Although the upper portion of the well was subsequently replaced, it is P&D's understanding that the wellhead was not re-surveyed.

It is P&D's understanding that all soil sample collection locations, and soil sample analytical results were provided to Mr. Scott Seery of the ACDEH by Bernabe and Brinker, Inc.

#### FIELD ACTIVITIES

On July 14, 1997 all eight of the wells in the groundwater monitoring network for the site were monitored and sampled by P&D personnel. The wells were monitored for depth to water and the presence of free product or sheen. Depth to water was measured to the nearest 0.01 foot using an electric water level indicator. The presence of sheen was evaluated using a transparent bailer. No free product or sheen were observed in any of the wells. Depth to water level measurements and monitoring well groundwater surface elevations are presented in Table 1.

Prior to sampling, the wells were purged of a minimum of three casing volumes of water. During purging operations, the field parameters of electrical conductivity, temperature and pH were monitored. Once the field parameters were observed to stabilize, and a minimum of three casing volumes had been purged, water samples were collected using a clean Teflon bailer. The water samples were transferred to 40-milliliter glass Volatile Organic Analysis (VOA) vials which were sealed with Teflon-lined screw caps. The VOA vials were overturned and tapped to assure that no air bubbles were present.

The VOA vials were then transferred to a cooler with ice, and later were transported to McCampbell Analytical, Inc. in Pacheco, California. McCampbell Analytical, Inc. is a State-certified hazardous waste testing laboratory. Chain of custody documentation accompanied the samples to the laboratory. Records of the field parameters measured during well purging are attached with this report.

#### **HYDROGEOLOGY**

The subsurface materials encountered in the borings drilled by Aegis indicate that soil types vary across the site, but generally consist of silty clay, silt, clayer silt and sandy silt from the surface to a depth of between 30 and 35 feet. Below the depth of 30 to 35 feet, layers of sand and sandy silt were reported to have been encountered. Groundwater has historically been encountered at the site at depths ranging from approximately 40 to 45 feet below grade.

Based upon the regional groundwater flow direction identified by Woodward-Clyde Consultants in a report titled, "Hydrogeology of Central San Leandro and Remedial Investigation of Regional Groundwater Contamination - San Leandro Plume - San Leandro, California - Volume I," prepared for the California Environmental Protection Agency and dated December 29, 1993 the regional groundwater flow

direction to the west of the site appears to be to the southwest. However, based upon the measured depth to water in the five wells at the site on September 29, 1992 Aegis identified a northwesterly groundwater flow direction. Based upon water level measurements collected by P&D from the five wells at the site on February 18, July 5, and October 12, 1994, February 1, and May 4, 1995 the groundwater flow direction at the site was calculated to be to the north, towards San Leandro Creek. Based upon water level measurements collected in wells MW1 through MW8 by P&D personnel on June 23 and December 19, 1995, March 28 and June 21, 1996, and March 11, 1997 the groundwater flow direction was calculated to be to the northwest.

Based upon water level measurements collected in wells MW2 through MW8 by P&D personnel on July 14, 1997 the groundwater flow direction was calculated to range from the north to the northwest.

The measured depth to water at or near the site on July 14, 1997 for wells MW1, MW2, MW3, MW4, MW5, MW6, MW7, and MW8 was 39.45, 38.46, 41.77, 38.10, 41.20, 39.04, 41.97, and 39.98 feet, respectively. Since the previous monitoring, groundwater levels have decreased in the wells by between 2.55 and 4.86 feet. Based on the July 14, 1997 water level measurements, the groundwater flow direction on July 14, 1997 ranged from the north to the northwest with a gradient ranging from 0.039 to 0.056. The groundwater flow direction has remained relatively unchanged and the gradient has decreased since the previous water level measurements were collected on March 11, 1997. The groundwater monitoring data are presented in Table 1. The groundwater flow direction at the site on July 14, 1997 is shown on Figure 2.

#### LABORATORY RESULTS

All of the groundwater samples collected from the monitoring wells were analyzed for TPH-G using EPA Method 5030 in conjunction with Modified EPA Method 8015 and for BTEX and MTBE using EPA Method 8020.

The laboratory analytical results for the groundwater samples showed that TPH-G, BTEX, and MTBE were not detected in wells MW5, MW6, MW7, and MW8 with the exception of MTBE which was detected in well MW6 at a concentration of 0.019 ppm. MTBE has historically not been detected in well MW6.

In wells MW1, MW2, MW3 and MW4, TPH-G was detected at concentrations of 0.20, 43, 0.40, and 0.98 ppm, respectively, and benzene was detected at concentrations of 0.020, 6.2, 0.00093, and 0.21 ppm, respectively. TPH-G and benzene concentrations have decreased in wells MW1, MW3, and MW4, and increased in well MW2 since the previous quarter. In wells MW5 through MW8 TPH-G and BTEX have remained unchanged (not detected) since the previous quarter with the exception of 0.019 ppm MTBE in MW6. The sample analytical results are summarized in Table 2. Copies of the laboratory analytical report and chain of custody documentation are attached with this report.

#### **DISCUSSION AND RECOMMENDATIONS**

Based on the depth to water measurements collected on July 14, 1997 from all of the monitoring wells (MWI through MW8), the groundwater flow direction appears to be to the northwest.

P&D recommends that the quarterly groundwater monitoring and sampling program be continued for the site. P&D recommends that the groundwater samples collected from all of the wells be analyzed for TPH-G, BTEX and MTBE.

P&D recommends that a Corrective Action Plan be prepared and submitted to the ACDEH in accordance with a request set forth in letters from Mr. Scott Seery

dated March 23, and October 19, 1995, following the replacement of the underground storage tanks at the subject site which took place in June, 1997.

#### DISTRIBUTION

Copies of this report should be forwarded to Mr. Scott Seery at the Alameda County Department of Environmental Health and to the San Francisco Bay Regional Water Quality Control Board.

#### LIMITATIONS

This report was prepared solely for the use of Mr. Manmohan Chopra. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgement based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and pits and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly-revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgement based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental

Paul H. King Hydrogeologist

Don R. Braun

Certified Engineering Geologist

Registration No.: 1310 Expiration Date: 6/30/98

PHK 0055.R10

Attachments: Tables 1 & 2

Site Location Map (Figure 1) Site Plan (Figure 2)

Field Parameter Forms

Laboratory Analytical Reports Chain of Custody Documentation

TABLE 1 WELL MONITORING DATA

| Well<br>No. | Date<br>Monitored  | Top of Casing Elev. (ft.) | Depth to<br>Water (ft.)  | Water Table<br>Elev. (ft.)  |
|-------------|--|---------------------------|--|---|
| MW1         | 7/14/97<br>3/11/97<br>6/21/96<br>3/28/96<br>12/19/95<br>6/23/95  | Not Available<br>87.98+   | 39.45<br>36.90<br>38.56<br>37.10<br>40.16<br>38.54   | Not Available<br>51.08<br>49.42<br>50.88<br>47.82<br>49.44  |
|             | 5/04/95<br>2/01/95<br>10/12/94<br>7/05/94<br>2/18/94<br>9/29/92  | 87.96++                   | 37.65<br>38.46<br>42.01<br>41.36<br>41.02<br>42.77   | 50.33<br>49.52<br>45.97<br>46.62<br>46.96<br>45.21  |
| MW2         | 7/14/97<br>3/11/97<br>6/21/96<br>3/28/96<br>12/19/95<br>6/23/95<br>5/04/95<br>2/01/95<br>10/12/94<br>7/05/94<br>2/18/94<br>9/29/92 | 86.61+                    | 38.46<br>35.71<br>37.30<br>35.97<br>38.80<br>37.40<br>36.54<br>37.27<br>40.77<br>40.13<br>39.81<br>41.55 | 48.15<br>50.90<br>49.31<br>50.64<br>47.81<br>49.21<br>50.07<br>49.34<br>45.84<br>46.48<br>46.80<br>45.06  |
| MW3         | 7/14/97<br>3/11/97<br>6/21/96<br>3/28/96<br>12/19/95<br>6/23/95<br>5/04/95<br>2/01/95<br>10/12/94<br>7/05/94<br>2/18/94<br>9/29/92 | 87.48+<br>87.50++         | 41.77 38.71 40.61 38.75 42.20 40.65 39.61 40.13 43.92 43.32 43.09 44.60                                  | 45.71<br>48.77<br>46.87<br>48.73<br>45.28<br>46.83<br>47.87<br>47.35<br>43.56<br>44.16<br>44.39<br>42.88* |

#### NOTES:

Elevations are in feet Mean Sea Level.

ft. = Feet.

<sup>+ =</sup> Indicates survey data provided by Kier & Wright dated June 26, 1995. ++ = Indicates survey data provided by Aegis Environmental, Inc.

<sup>\* =</sup> Indicates groundwater elevation corrected for the presence of free product.

TABLE 1 (Continued) WELL MONITORING DATA

| Well<br>No. | Date<br>Monitored | Top of Casing<br>Elev. (ft.) | Depth to<br>Water (ft.)                 | Water Table Elev. (ft.) |
|-------------|-------------------|------------------------------|---|-------------------------|
| -10.        |                   |                              | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                         |
| MW4         | 7/14/97           | 86.21+                       | 38.10                                   | 48.11                   |
|             | 3/11/97           |                              | 33.24                                   | 52.97                   |
|             | 6/21/96           |                              | 37.12                                   | 49.09                   |
|             | 3/28/96           |                              | 35.00                                   | 51.21                   |
|             | 12/19/95          |                              | 38.45                                   | 47.76                   |
|             | 6/23/95           |                              | 37.40                                   | 48.81                   |
|             | 5/04/95           | 86.20++                      | 36.33                                   | 49.88                   |
|             | 2/01/95           |                              | 36.96                                   | 49.25                   |
|             | 10/12/94          |                              | 40.48                                   | 45.73                   |
|             | 7/05/94           |                              | 39.69                                   | 46.52                   |
|             | 2/18/94           |                              | 39.36                                   | 46.85                   |
|             | 9/29/92           |                              | 44.29                                   | 41.92                   |
| MW5         | 7/14/97           | 89.10+                       | 41.20                                   | 47.90                   |
|             | 3/11/97           |                              | 38.02                                   | 51.08                   |
|             | 6/21/96           |                              | 40.03                                   | 49.07                   |
|             | 3/28/96           |                              | 38.30                                   | 50.80                   |
|             | 12/19/95          |                              | 41.79                                   | 47.31                   |
|             | 6/23/95           |                              | 39.87                                   | 49.23                   |
|             | 5/04/95           | 89.06++                      | 38.94                                   | 50.16                   |
|             | 2/01/95           |                              | 39.94                                   | 49.16                   |
|             | 10/12/94          |                              | 43.81                                   | 45.29                   |
|             | 7/05/94           |                              | 43.08                                   | 46.02                   |
|             | 2/18/94           |                              | 42.88                                   | 46.22                   |
|             | 9/29/92           |                              | 44.53                                   | 44.57                   |
| MW6         | 7/14/97           | 84.02+                       | 39.04                                   | 44.98                   |
|             | 3/11/97           |                              | 36.32                                   | 47.70                   |
|             | 6/21/96           |                              | 38.00                                   | 46.02                   |
|             | 3/28/96           |                              | 36.18                                   | 47.84                   |
|             | 12/19/95          |                              | 39.25                                   | 44.77                   |
|             | 6/23/95           |                              | 38.17                                   | 45.85                   |
|             | 6/21/95**         |                              | 38.11                                   | 45.91                   |
| MW7         | 7/14/97           | 87.11+                       | 41.97                                   | 45.14                   |
|             | 3/11/97           |                              | 38.96                                   | 48.15                   |
|             | 6/21/96           |                              | 40.80                                   | 46.31                   |
|             | 3/28/96           |                              | 38.94                                   | 48.17                   |
|             | 12/19/95          |                              | 42.26                                   | 44.85                   |
|             | 6/23/95           |                              | 41.00                                   | 46.11                   |
|             | 6/21/95**         |                              | 40.30                                   | 46.81                   |

#### NOTES:

Elevations are in feet Mean Sea Level.

ft. = Feet.

<sup>+ =</sup> Indicates survey data provided by Kier & Wright dated June 26, 1995. ++ = Indicates survey data provided by Aegis Environmental, Inc. \*\* = Indicates depth to water measurements prior to groundwater monitoring well development.

#### TABLE 1 (Continued) WELL MONITORING DATA

| Well<br>No. | Date<br>Monitored  | Top of Casing Elev. (ft.) | Depth to Water (ft.)  | Water Table<br>Elev. (ft.)                                  |
|-------------|--|---------------------------|---|---|
| MW8         | 7/14/97<br>3/11/97<br>6/21/96<br>3/28/96<br>12/19/95<br>6/23/95<br>6/21/95** | 89.70+                    | 39.98<br>36.74<br>38.69<br>36.98<br>40.35<br>38.36<br>38.20 | 49.72<br>52.96<br>51.01<br>52.72<br>49.35<br>51.34<br>51.50 |

#### NOTES:

Elevations are in feet Mean Sea Level.

ft. = Feet.

<sup>+ =</sup> Indicates survey data provided by Kier & Wright dated June 26, 1995. ++ = Indicates survey data provided by Aegis Environmental, Inc. \*\* = Indicates depth to water measurements prior to groundwater monitoring well development.

#### TABLE 2 GROUNDWATER LABORATORY ANALYTICAL RESULTS

### Samples Collected On July 14, 1997

| Sample<br>Location | TPH-G | MTBE  | Benzene | Toluene | Ethyl-<br>benzene | Xylenes |
|--------------------|-------|-------|---------|---------|-------------------|---------|
| MW1                | 0.20  | 0.035 | 0.020   | 0.0055  | 0.0012            | 0.0023  |
| MW2                | 43    | 1.6   | 6.2     | 8.9     | 1.5               | 7.4     |
| MW3                | 0.40  | 0.11  | 0.00093 | 0.0010  | 0.0013            | 0.00068 |
| MW4                | 0.98  | 0.40  | 0.21    | 0.0017  | 0.090             | 0.046   |
| MW5                | ND    | ND    | ND      | ND      | ND                | ND      |
| <b>MM</b> 6        | ND    | 0.019 | ND      | ND      | ND                | ND      |
| MW7                | ND    | ND    | ND      | ND      | ND                | ND      |
| WM8                | ND    | ND    | ND      | ND      | ND                | ND      |
|                    |       |       |         |         |                   |         |

#### Samples Collected On March 11, 1997

| Sample<br>Location | TPH-G | MTBE  | Benzene | Toluene | Ethyl-<br>benzene | Xylenes |
|--------------------|-------|-------|---------|---------|-------------------|---------|
| WMJ                | 0.60  | 0.014 | 0.053   | 0.00095 | 0.003             | 0.0015  |
| MW2                | 28    | 0.71  | 4.0     | 4.5     | 0.99              | 4.3     |
| WM3                | 1.1   | 0.68  | 0.053   | 0.013   | 0.063             | 0.017   |
| MW4                | 3.8   | 1.1   | 1.1     | 0.053   | 0.24              | 0.26    |
| MW5                | ND    | ИD    | ND      | ND      | ND                | 0.00077 |
| MW6                | ND    | ND    | MD      | ND      | ND                | ND      |
| MW7                | ND    | ND    | ND      | ND      | ND                | ND      |
| MW8                | ND    | ND    | ND      | ND      | ND                | ND      |

#### NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

ND = Not Detected.

Results are in parts per million (ppm), unless otherwise specified.

TABLE 2 (Continued)
GROUNDWATER
LABORATORY ANALYTICAL RESULTS

| Well<br>No.                            | TPH-G | MTBE  | Benzene                       | Toluene | Ethyl-<br>benzene | Total<br>Xylenes |
|--|-------|-------|-------------------------------|---------|-------------------|------------------|
|  |       |       | les Collecte<br>June 21, 1996 |         |                   |                  |
| Sample<br>Location                     | TPH-G | MTBE  | Benzene                       | Toluene | Ethyl-<br>benzene | Xylenes          |
| MW1                                    | 1.4   | 0.019 | 0.30                          | 0.0087  | 0.033             | 0.0098           |
| MW2                                    | 49    | 0.53  | 6.6                           | 6.3     | 1.4               | 6.2              |
| WM3                                    | 1.3   | 0.3   | 0.094                         | 0.0021  | 0.039             | 0.002            |
| MW4                                    | 11    | 1.2   | 2.4                           | 0.083   | 0.53              | 0.91             |
| MW5                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| MW6                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| MW7                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| MW8                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| Samples Collected<br>On March 28, 1996 |       |       |                               |         |                   |                  |
| MW1                                    | 1.3   | 0.022 | 0.32                          | 0.0023  | 0.034             | 0.0046           |
| MW2                                    | 38    | 0.45  | 5.8                           | 4.7     | 1.1               | 5.1              |
| WM3                                    | 4.6   | 1.1   | 1.4                           | 0.012   | 0.17              | 0.020            |
| MW4                                    | 5.6   | 0.64  | 1.4                           | 0.038   | 0.31              | 0.30             |
| MW5                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| MW6                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| MW7                                    | ND    | ND    | ND                            | ND      | ND                | ND               |
| MW8                                    | ND    | ND    | ND                            | ND      | ND                | ND               |

#### NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

ND = Not Detected.

Results in parts per million (ppm), unless otherwise indicated.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS

| Well<br>No.                         | TPH-G | MTBE   | Benzene                      | Toluene | Ethyl-<br>benzene | Total<br>Xylenes |
|-------------------------------------|-------|--------|------------------------------|---------|-------------------|------------------|
|                                     |       |        | es Collected<br>ember 19, 19 |         |                   |                  |
| MW1                                 | 0.50  | 0.0081 | 0.087                        | 0.0015  | 0.011             | 0.0035           |
| MW2                                 | 25    | 0.45   | 5.2                          | 3.8     | 0.86              | 3.8              |
| MW3                                 | 0.95  | 0.12   | 0.16                         | 0.0023  | 0.015             | 0.0016           |
| MW4                                 | 2.0   | 0.21   | 0.70                         | 0.029   | 0.089             | 0.15             |
| MW5                                 | ND    | ND     | ND                           | ND      | ND                | ND               |
| MW6                                 | ND    | 0.01   | ND                           | ND      | ND                | ND               |
| MW7                                 | ND    | ND     | ND                           | ND      | ND                | ND               |
| WM8                                 | ND    | ND     | ND                           | ND      | ND                | ND               |
|                                     |       |        | es Collected<br>une 23, 1995 |         |                   |                  |
| MW6                                 | ND    | 3.0    | ND                           | ND      | ND                | ND               |
| MW7                                 | ND    | ND     | ND                           | ND      | ND                | ND               |
| MM8                                 | ND    | ND     | ND                           | ND      | ND                | ND               |
| Samples Collected<br>On May 4, 1995 |       |        |                              |         |                   |                  |
| MW1                                 | 2.4   | NA     | 0.67                         | 0.0028  | 0.076             | 0.0060           |
| MW2                                 | 63    | NA     | 10                           | 11      | 1.6               | 8.8              |
| MW3                                 | 7.2   | NA     | 3.1                          | 0.038   | 0.20              | 0.062            |
| MW4                                 | 3.3   | NA     | 0.89                         | 0.068   | 0.15              | 0.30             |
| MW5                                 | ND    | NA     | ND                           | ND      | ND                | ND               |

#### NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

ND = Not Detected.

NA = Not Analyzed. Results in parts per million (ppm), unless otherwise indicated.

TABLE 2 (Continued)
GROUNDWATER
LABORATORY ANALYTICAL RESULTS

| Well<br>No. | TPH-G                                    | MTBE | Benzene                         | Toluene | Ethyl-<br>benzene | Total<br>Xylenes |  |
|-------------|--|------|---------------------------------|---------|-------------------|------------------|--|
|             |  |      | amples Collect<br>February 1, 1 |         |                   |                  |  |
| MW1         | 4.6                                      | NA   | 1.8                             | 0.0099  | 0.23              | 0.030            |  |
| MW2         | 45                                       | NA   | 7.0                             | 5.1     | 1.2               | 6.1              |  |
| мwз         | · 11                                     | NA   | 4.2                             | 0.031   | 0.33              | 0.29             |  |
| MW4         | 1.4                                      | NA   | 0.39                            | 0.055   | 0.049             | 0.18             |  |
| MW5         | ND                                       | NA   | ND                              | ND      | ND                | ND               |  |
|             | Samples Collected<br>On October 12, 1994 |      |                                 |         |                   |                  |  |
| MW1         | 2.5                                      | NA   | 0.82                            | 0.0039  | 0.10              | 0.020            |  |
| MW2         | 24                                       | NA   | 4.4                             | 2.8     | 0.73              | 3.5              |  |
| MW3         | 1.7                                      | NA   | 0.39                            | 0.00090 | 0.018             | 0.0057           |  |
| MW4         | 0.68                                     | NA   | 0.14                            | 0.0087  | 0.014             | 0.052            |  |
| MW5         | ND                                       | NA   | ND                              | ND      | ND                | ND               |  |
|             | Samples Collected<br>On July 5, 1994     |      |                                 |         |                   |                  |  |
| MW1         | 3.0                                      | NA   | 1.3                             | 0.0038  | 0.035             | 0.0025           |  |
| MW2         | 46.0                                     | ŊA   | 9.1                             | 7.0     | 1.4               | 7.3              |  |
| MW3         | 3.6                                      | NA   | 1.6                             | 0.0083  | 0.076             | 0.047            |  |
| MW4         | 2.6                                      | NA   | 0.47                            | 0.045   | 0.084             | 0.25             |  |
| MW5         | ND                                       | NA   | ND                              | ND      | ND                | 0.0010           |  |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

ND = Not Detected.

NA = Not Analyzed.

Results in parts per million (ppm), unless otherwise indicated.

#### TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS

| Well<br>No. | TPH-G | MTBE | Benzene                         | Toluene | Ethyl-<br>benzene | Total<br>Xylenes |
|-------------|-------|------|---------------------------------|---------|-------------------|------------------|
|             |       |      | amples Collect<br>September 29, |         |                   |                  |
| MW1         | 3.1   | NA   | 0.16                            | ND      | ND                | 0.0060           |
| MW2         | 20    | NA   | 4.6                             | 3.8     | 0.26              | 3.3              |
| мwз         | NA    | NA   | NA                              | NA      | NA                | NA               |
| MW4         | 0.63  | NA   | 0.17                            | 0.06    | 0.0073            | 0.65             |
| MW5         | 0.06  | NA   | 10                              | 0.0071  | ND                | 0.0069           |

#### NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

ND = Not Detected.

NA = Not Analyzed. Results in parts per million (ppm), unless otherwise indicated.

### P & D ENVIRONMENTAL

4020 Panama Court Oakland, CA 94611 Telephone (510) 658-6916



Base Map from: U.S. Geological Survey San Leandro, Calif. 7.5 Minute Quadrangle Photorevised 1980

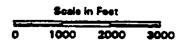
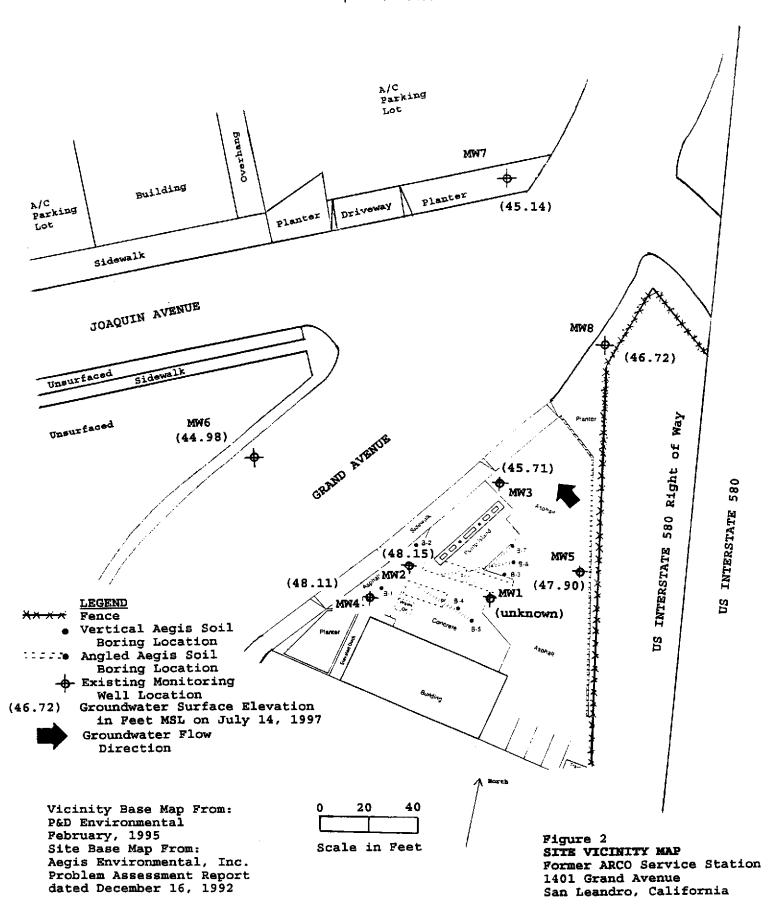


Figure 1
SITE LOCATION MAP
Former ARCO Service Station
1401 Grand Avenue
San Leandro, California

### P & D ENVIRONMENTAL

4020 Panama Court Oakland, CA 94611 Telephone (510) 658-6916



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| site Name Former Arco Service Sahun | Well No. MWI                       |
|-------------------------------------|------------------------------------|
| Job No. <u>6055</u>                 | Date 7/14(97                       |
| TOC to Water (ft.) 39.45            | Sheen Norc                         |
| Well Depth (ft.)                    | Free Product Thickness $\psi$      |
| Well Diameter 4"                    | Sample Collection Method           |
| Gal./Casing Vol. 10.4               | Tethon Bailer                      |
| _TIMEGAL. PURGEDpH_                 | TEMPERATURE (F) ELECTRICAL (MS/Cm) |
| 3:45 5.2 7.65                       | 61.2 4.65 x100                     |
| 3.57 10.4 7.50                      | 61.1 5.10                          |
| H:05 15.6 7.38                      | 5. 20                              |
| 4.12 70.8 7.30                      | 5.12                               |
| H:20 24.0 7.28                      | 5.10                               |
| 4.26 31.2 7.26                      | 5.11                               |
| 4.30 Sampled                        |                                    |
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| site Name Former Arro Service Station | well No. MW2                          |
|---------------------------------------|---------------------------------------|
| Job No. <u>5055</u>                   | Date 7/14/97                          |
| TOC to Water (ft.) 38.46              | Sheen None                            |
| Well Depth (ft.) 56.00                | Free Product Thickness                |
| Well Diameter 4"                      | Sample Collection Method              |
| Gal./Casing Vol//.40                  | Teffon Bailer                         |
| TIME GAL. PURGED pH                   | TEMPERATURE (OF) ELECTRICAL (MYCHA)   |
| 2:50 5.7 7.40                         | 61.1 7.20 X100                        |
| 2:57 /1.4 7.32                        | 695                                   |
| 3:05 17.1 7.28                        | 6.80                                  |
| 3:12 22.8 7:20                        | 6.70                                  |
| 3:20 28.5 7:18                        | 6:75                                  |
| 3:26 34.2 7:18                        | 6.70                                  |
| 3:50 Sampled                          |                                       |
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| Site Name    | omer Arzo Sen        | cc 36hrh  | Well No         | MW3                 |
|--------------|----------------------|-----------|-----------------|---------------------|
| Job No       | <i>७०५५</i>          | _         | Date            | 7/14/97             |
|              | r (ft.) <u>4/,77</u> | _         | Sheen           | None                |
| Well Depth   | (ft.) 56.00          | _         | Free Produc     | et Thickness $\phi$ |
| Well Diamete | er4"                 | -         | Sample Coll     | ection Method       |
| Gal./Casing  | vol. 10.6            | -         | Teffen &        | Sailer              |
| TIME         | GAL. PURGED          | Н         | TEMPERATURE (%) | CONDUCTIVITY CON    |
| 1:45         | 5.3                  | 7.45      | 61.2            | 9.05 KIDE           |
| 1.52         | 10.6                 | 740       |                 | <u>880</u>          |
| 2:00         | 15.9                 | 7.25      |                 | 8.70                |
| 2.06         | 21.2                 | 7.17      |                 | 8.71                |
| 2:13         | 26.5                 | 7.12      |                 | 8.70                |
| 2:20         | 31.8                 | 7.10      |                 | 8.70                |
| 2:30         | Secupled             |           |                 |                     |
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| Site Name    | ormer Arzo Semi  | a Slahon    | Well No         | mw4                        |              |
|--------------|--|-------------|-----------------|----------------------------|--------------|
| Job No       | 0055   | _           | Date            | 1/14/97                    |              |
|              | (ft.) <u>38.10</u>   | _           | Sheen           | None                       |              |
| Well Depth ( | ft.) 56.00   | _           | Free Produc     | t Thickness (              | <u></u>      |
| Well Diamete | r2+11  | <b></b>     | Sample Coll     | ection Method              |              |
| Gal./Casing  | vol  | _           | le flon 8       | Sailer                     |              |
| TIME         | GAL. PURGED  | _Hq         | TEMPERATURE (F) | ELECTRICAL<br>CONDUCTIVITY | (ps/cm)      |
| 12:15        | 5.8  | 7.34        | 61.1            | 2.85                       | cioo         |
| 12:23        | 11.6   | 7.30        | <del></del>     | 2.80                       |              |
| 12.30        | 17.4   | 7-25        |                 | 2.70                       | •            |
| 12:38        | 23.2   | 770         | /               | 2.65                       | . ,          |
| 12:45        | 29.v   | 7.16        |                 | 2.60                       |              |
| 12:54        | 34.8   | 7.12        |                 | 2.60                       |              |
| 1:10         | Sexuple  |             | - <del></del>   |                            | •            |
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| site Name Former Arc Servic Statun    | Well No. MN5                         |
|---------------------------------------|--------------------------------------|
| Job No                                | Date 7/14/97                         |
| TOC to Water (ft.) 4/.20              | Sheen None                           |
| Well Depth (ft.) (d0.00               | Free Product Thickness               |
| Well Diameter 4"                      | Sample Collection Method             |
| Gal./Casing Vol. //. 6                | Tellon Barler                        |
| TIME GAL. PURGED PH                   | TEMPERATURE (F) CONDUCTIVITY (Volum) |
| 11:00 5.8 7.60                        | 61.1 3.75 X100                       |
| 11:08 11.6 7.55                       |                                      |
| 11.15 17.4 7.50                       | 3.50                                 |
| 11.21 23.2 7.42                       | 3.50                                 |
| 11:29 29.0 7.35                       | 3 48                                 |
| 11.36 34.8 7.30                       | 3.45                                 |
| 11.45 Samples                         |                                      |
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| site Name Former Arco Service Station | well No. MW(                              |
|---------------------------------------|---|
| Job No. 6055                          | Date 7/14/97                              |
| TOC to Water (ft.) 39.04              | Sheen Nuw                                 |
| Well Depth (ft.) 50 00                | Free Product Thickness                    |
| Well Diameter <u>3</u> "              | Sample Collection Method                  |
| Gal./Casing Vol. /. 8                 | Toplon Bailer                             |
| TIME GAL. PURGED pH                   | TEMPERATURE ( CONDUCTIVITY ( CONDUCTIVITY |
| 10:10 0.9 7.86                        | 61.1 5.05 x100                            |
| 10:12 / 6 7.70                        | 4.95                                      |
| 10:14 2.7 7.42                        | 4.80                                      |
| 10:16 3.6 7.36                        | 4.77                                      |
| 10:18 4.5 7.30                        | 4 75                                      |
| 10:20 5.4 7.30                        | 4 75                                      |
| 10:30 Sampled                         |   |
| 10.50                                 |   |
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| Site Name   | Former Arco Service   | e Station   | Well No         | mwl                            |
|-------------|-----------------------|-------------|-----------------|--------------------------------|
| Job No      | 0055                  | <u></u>     | Date            | 1/14/97                        |
| TOC to Wate | er (ft.) <u>41.97</u> | _           | Sheen           | None                           |
| Well Depth  | (ft.) 50.00           | _           | Free Produc     | ct Thickness $\phi_{-}$        |
| Well Diame  | ter2"                 | -           | Sample Col      | lection Method                 |
| Gal./Casin  | g Vol. /. 4           | -           | Teflon Ba       | iler                           |
| TIME        | GAL. PURGED           | рн          | TEMPERATURE("F) | ELECTRICAL CONDUCTIVITY (ps/cm |
| 9:30        | <u> 0.7</u>           | 7.32        | 61.2            | 2.80 XIOC                      |
| 9:32        |                       | 7.30        |                 | 2.75                           |
| 9-34        | 2.1                   | 7.20        |                 | 2.45                           |
| 9:36        | 2.8                   | 7.15        |                 | 2.40                           |
| 9:38        | 35                    | 7.10        |                 | 2.40                           |
| 9:40        | 4.2                   | 7.05        |                 | 2.40                           |
| 9:55        | Sampled               |             |                 |                                |
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|   | DATA        | DUELI           |                         |
|---|-------------|-----------------|-------------------------|
| site Name Former Arco Serve             | e Station   | Well No         |                         |
| Job No. <u>0055</u>                     | _           | Date            | 7/14/97                 |
| TOC to Water (ft.) 39.98                | <u>.</u>    | Sheen           | None                    |
| Well Depth (ft.) 50,00                  | _           | Free Produ      | ct Thickness $\psi$     |
| Well Diameter 2                         | _           | -               | lection Method          |
| Gal./Casing Vol. / 6                    | <u> </u>    | Teffen Bo       | uler                    |
| TIME GAL. PURGED                        | _Bq         | TEMPERATURE (F) | ELECTRICAL CONDUCTIVITY |
| 8.45 0.8                                | 7.10        | 61.2            | 7.45 x100               |
| 8:47 1.6                                | 7.05        |                 | 7.40                    |
| 8.49 2.4                                | 7.00        |                 | 7.30                    |
| 8:51 3.2                                | 7.05        |                 | 7.30                    |
| 9:53 4.0                                | 7.00        |                 | 7.30                    |
| 8:55 W.B                                | 7.00        | <del></del>     | 7.30                    |
| 910 Sampled                             |             |                 |                         |
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| NOTES:                                  | •           |                 |                         |
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| Well purged very                        | hand ba     | ling            |                         |
| PURGE10.92                              |             |                 |                         |

110 Second Avenue South, #D7, Pacheco, CA 94553 Telephone: 510-798-1620 Fax: 510-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

| P&D Environmental | Client Project ID: #0055; Former | Date Sampled: 07/14/97         |  |  |
|-------------------|----------------------------------|--------------------------------|--|--|
| 4020 Panama Court | Arco Service Station             | Date Received: 07/15/97        |  |  |
| Oakland, CA 94611 | Client Contact: Paul King        | Date Extracted: 07/15-07/16/97 |  |  |
|                   | Client P.O:                      | Date Analyzed: 07/15-07/16/97  |  |  |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with Methyl tert-Butyl Ether\* & BTEX\*

EPA methods 5030, modified 8015, and 8020 or 602; California RWOCB (SF Bay Region) method GCFID(5030)

| Lab ID  | Client ID                         | Matrix | TPH(g) <sup>+</sup> | МТВЕ | Benzene | Toluene | Ethylben-<br>zene | Xylenes | % Recovery<br>Surrogate |
|---------|-----------------------------------|--------|---------------------|------|---------|---------|-------------------|---------|-------------------------|
| 78631   | MW1                               | w      | 20 <b>0</b> ,c,a    | 35   | 20      | 0.55    | 1.2               | 2.3     | 95                      |
| 78632   | MW2                               | w      | 43,000,a            | 1600 | 6200    | 8900    | 1500              | 7400    | 104                     |
| 78633   | MW3                               | w      | 400,b,j             | 110  | 0.93    | 1.0     | 1.3               | 0.68    | 102                     |
| 78634   | MW4                               | w      | 980,a               | 400  | 210     | 1.7     | 90                | 46      | 97                      |
| 78635   | MW5                               | w      | ND                  | ND   | ND      | ND      | ND                | ND      | 106                     |
| 78636   | MW6                               | w      | ND                  | 19   | ND      | ND      | ND                | ND      | 106                     |
| 78637   | MW7                               | w      | ND                  | ND   | ND      | ND      | ND                | ND      | 104                     |
| 78638   | MW8                               | W      | ND                  | ND   | ND      | ND      | ND                | ND      | 100                     |
|         |                                   |        |                     |      |         |         |                   |         |                         |
|         |                                   |        |                     |      |         |         |                   |         |                         |
| otherwi | g Limit unless<br>se stated; ND   | w      | 50 ug/L             | 5.0  | 0.5     | 0.5     | 0.5               | 0.5     |                         |
|         | t detected above<br>porting limit | S      | 1.0 mg/kg           | 0.05 | 0.005   | 0.005   | 0.005             | 0.005   |                         |

<sup>\*</sup> water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L.

<sup>\*</sup> cluttered chromatogram; sample peak coelutes with surrogate peak

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622

#### McCAMPBELL ANALYTICAL INC.

#### QC REPORT FOR HYDROCARBON ANALYSES

Date: 07/15/97 Matrix: Water

|                                     | Concentr            | cation       | (mg/L)       | % Recovery             |                |                |            |
|-------------------------------------|---------------------|--------------|--------------|------------------------|----------------|----------------|------------|
| Analyte                             | Sample<br> #(78563) | MS           | .MSD         | Amount<br>  Spiked<br> | <br>  MS<br>   | MSD            | RPD        |
| TPH (gas)                           | 0.0                 | 97.3<br>10.1 | 97.0<br>9.7  | 100.0                  | 97.3           | 97.0<br>97.0   | 0.4        |
| Benzene<br>Toluene<br>Ethyl Benzene | 0.0                 | 10.7         | 10.3<br>10.6 | 10.0                   | 107.0<br>102.0 | 103.0<br>106.0 | 3.8<br>3.8 |
| Xylenes                             | 0.0                 | 31.2         | 31.6         | 30.0                   | 104.0          | 105.3          | 1.3        |
| TPH (diesel)                        | 0                   | 144          | 149          | 150                    | 96             | 99             | 3.4        |
| TRPH<br>(oil & grease)              | <br>  N/A           | N/A          | N/A          | <br>  N/A<br>          | <br>  N/A<br>  | N/A            | N/A        |

% Rec. = (MS - Sample) / amount spiked x 100

 $RPD = (MS - MSD) / (MS + MSD) \times 2 \times 100$ 

#### QC REPORT FOR HYDROCARBON ANALYSES

Date: 07/16/97

Matrix: Water

|                       | Concentration (mg/L     |      |      |                        | % Recovery   |       |     |
|-----------------------|-------------------------|------|------|------------------------|--------------|-------|-----|
| Analyte<br> <br>      | Sample<br> #(78563)<br> | MS   | MSD  | Amount<br>  Spiked<br> | <br>  MS<br> | MSD   | RPD |
| TPH (gas)             | 0.0                     | 97.8 | 97.4 | 100.0                  | 97.8         | 97.4  | 0.5 |
| Benzene               | 0.0                     | 10.0 | 9.6  | 10.0                   | 100.0        | 96.0  | 4.1 |
| Toluene               | 0.0                     | 10.5 | 10.3 | 10.0                   | 105.0        | 103.0 | 1.9 |
| Ethyl Benzene         | 0.0                     | 10.7 | 10.6 | 10.0                   | 107.0        | 106.0 | 0.9 |
| Xylenes<br>           | 0.0<br>                 | 32.2 | 31.7 | 30.0                   | 107.3        | 105.7 | 1.6 |
| <br> TPH (diesel)<br> | <br>  0<br>             | 144  | 149  | <br>  150<br>          | 96           | 99    | 3.4 |
| TRPH (oil & grease)   | N/A<br>                 | N/A  | N/A  | N/A                    | N/A          | N/A   | N/A |

% Rec. = (MS - Sample) / amount spiked x 100

 $RPD = (MS - MSD) / (MS + MSD) \times 2 \times 100$ 

### P & D Environmental

A Division of Paul H. King, Inc. 4020 Panama Court Oakland, CA 94611 (510) 658-6916

CHAIN OF CUSTODY RECORD AND 229. doc PAGE 1 OF 1 AWAL YSIS(ES). PROJECT NUMBER: PROJECT NAME: Former ACCO Server Station SAMPLED BY: (PRINTED AND SIGNATURE) REMARKS Ahmad Cahandorn SAMPLE LOCATION TIME TYPE DATE SAMPLE NUMBER Normal Turn Around 7/14/97 Water 2 IWM 2 MW2 78631 2 MW 3 2 78632 a HWH 2 MW5 " 78633 " MW6 78634 MWT " 11 2 MWB 4 11 11 78635 ......78636 TOPS | 086 | MEINES | OHIER 78637 78638 II I'D SPACE ABSENT J. CONTAINERS TOTAL NO. OF SAMPLES (THIS SHPMENT) RELINGUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) LABORATORY: DATE TIME McCampbell Analytical its 1/19/97 P 673 AERO TOTAL NO. OF CONTAINERS (THIS SUPPLEIT) RECEINED BY: (SIGNATURE) RELINCULATED BY: (SIGNATURE) DATE LABORATORY CONTACT: LABORATORY PHONE NUMBER: (GO)798-1620 EL. Hemilton Much Kricck RECEIVED FOR LABORATORY BY: SAMPLE ANALYSIS REQUEST SHEET RELINQUISHED (BY: /SIGNATURE) DATE ATTACHED: ( )YES ( )NO (SIGNATURE) **REMARKS:** VOA's presented with HEL