

December 7, 1995

Alameda County Health Care Services 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502

Attention: Ms. Susan Hugo Sule Klettke

RE: Wells Fargo Bank

490 - 43rd Street Oakland, California

Dear Ms. Hugo:

Per the request of Mr. Rick Montesano of Paradiso Mechanical, Inc., enclosed please find our report dated December 4, 1995, for the above referenced site.

If you should have any questions, please feel free to call our office at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Judy A. Dewey

Executive Secretary

jad\82

Enclosure

cc: Rick Montesano, Paradiso Mechanical, Inc.

KEI-P91-1201.QR7 December 4, 1995

Wells Fargo Bank 525 Market Street, 18th Floor MAC #0103-181 San Francisco, CA 94105

Attention: Mr. Jeffrey Hirsch

RE: Quarterly Report Wells Fargo Bank

(Walter Blumert Co., Inc.)

490 - 43rd Street Oakland, California

Dear Mr. Hirsch:

This Kaprealian Engineering, Inc. (KEI) report presents the results of the most recent quarter of monitoring and sampling of the monitoring wells at the referenced property. The wells are currently monitored and sampled on a quarterly basis.

#### SITE DESCRIPTION AND BACKGROUND

The subject property formerly contained one underground gasoline storage tank and one underground paint thinner storage tank. The two underground storage tanks were removed from the site in December of 1991. The underground storage tank pit was subsequently overexcavated in order to remove contaminated soil. Three monitoring wells (one on-site and two off-site) have been installed and two exploratory borings (off-site) have been drilled at and in the vicinity of the site.

A site description, detailed background information including a summary of all of the soil and ground water subsurface investigation/remediation work conducted to date, site hydrogeologic conditions, and tables that summarize all of the soil and ground water sample analytical results are presented in KEI's report (KEI-P91-1201.R6) dated July 20, 1994.

#### RECENT FIELD ACTIVITIES

The three monitoring wells (MW1 through MW3) were monitored and sampled twice during the quarter. During monitoring, the wells were checked for depth to water and the presence of free product. Prior to sampling, the wells were also checked for the presence of a sheen. No free product or sheen was noted in any of the wells during the quarter. The monitoring data collected this quarter are summarized in Table 1.

KEI-P91-1201.QR7 December 4, 1995 Page 2

Ground water samples were collected from the wells on September 22 The ground water samples collected on and October 13, 1995. September 22, 1995, were inadvertently not analyzed for all analytes by the lab. Therefore, additional samples were collected on October 13, 1995, for the remaining analyses. sampling, the wells were each purged of between approximately 6.5 and 8 gallons of water by the use of a surface pump. purging operations, the field parameters pH, temperature, and electrical conductivity were recorded and are presented in Table 2. Once the field parameters were observed to stabilize, and a minimum of approximately four casing volumes had been removed from each well, samples were then collected using a clean Teflon bailer. samples were decanted into clean VOA vials and/or one-liter amber bottles, as appropriate, which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory.

### **HYDROLOGY**

The measured depth to ground water at the property on September 22 and October 13, 1995, ranged between 11.88 and 12.18 feet. Based on the water level data gathered on October 13, 1995, the ground water flow direction appeared to be to the southwest, as shown on the attached Ground Water Flow Direction Map, Figure 1. The ground water flow direction has been predominantly to the southwest for the past six quarters. The average hydraulic gradient at the site on October 13, 1995, was approximately 0.03.

# ANALYTICAL RESULTS

The ground water samples collected this quarter were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020, and TPH as paint thinner by EPA method 3510/modified 8015.

Analytical results for all of the ground water samples collected from the monitoring wells to date are summarized in Table 3. The concentrations of TPH as gasoline, benzene, and TPH as paint thinner detected in the ground water samples collected this quarter are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

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#### **DISCUSSION**

Based on the analytical results of the ground water samples collected and evaluated to date, KEI recommends the continuation of the current ground water monitoring and sampling program. The three wells (MW1, MW2, and MW3) are monitored and sampled on a quarterly basis. Ground water samples are analyzed for TPH as gasoline, TPH as paint thinner, and BTEX.

Lastly, KEI was recently notified by Ms. Susan Hugo of the ACHCS that the nearby off-site underground storage tank has been removed. This tank was formerly located under the sidewalk and downgradient of the subject property. According to Ms. Hugo, various holes were observed in the tank. Water was also observed in the tank during removal. According to Ms. Hugo, the analytical data from the samples collected during tank removal were not available at the time of our conversation. In light of the fact that the referenced underground fuel storage tank has been removed, further investigative/remedial work at the subject Walter Blumert Co. property appears to be warranted. However, KEI recommends that the data and/or report for the nearby tank removal be reviewed in order to determine the condition of the subsurface soil and/or ground water beneath the former tank. At your request, KEI will prepare and submit a work plan for additional work at the subject Walter Blumert Co. property for your review.

#### DISTRIBUTION

A copy of this report should be sent to Ms. Susan Hugo of the ACHCS, and to the Regional Water Quality Control Board, San Francisco Bay Region.

# **LIMITATIONS**

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state-certified laboratory. We have analyzed these data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory

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analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

If you have any questions regarding this report, please do not hesitate to call at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Armond A. Balaian Staff Engineer

Joel G. Greger, C.E.G. Senior Engineering Geologist

License No. EG 1633 Exp. Date 8/31/96

Robert H. Kezerian Project Manager

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Attachments: Tables 1, 2 & 3

Location Map

Ground Water Flow Direction Map - Figure 1 Petroleum Hydrocarbon Concentrations - Figure 2

JOEL G. GREGER No. EG 1633 CERTIFIED ENGINEERING

**GEOLOGIST** 

Laboratory Analyses

Chain of Custody documentation

TABLE 1
SUMMARY OF MONITORING DATA

| Well # | Ground Water Elevation (feet) (Moniton | Depth to Water (feet) + red and Samp | Product Thickness (feet)  led on Octobe | Sheen<br>er 13, 19 | Water Purged (gallons) | Well<br>Depth<br>(feet)◆ |
|--------|--|--------------------------------------|---|--------------------|------------------------|--------------------------|
| MW1    | 79.02                                  | 12.00                                | 0                                       | No                 | 7.5                    | 22.67                    |
| MW2    | 78.44                                  | 12.11                                | 0                                       | No                 | 6.5                    | 21.36                    |
| MW3    | 78.72                                  | 12.18                                | 0                                       | No                 | 7                      | 21.77                    |
|        | (Monitor                               | ed and Sample                        | ed on Septeml                           | per 22, 1          | L995)                  |                          |
| MW1    | 79.14                                  | 11.88                                | 0                                       | No                 | 8                      | 22.85                    |
| MW2    | 78.51                                  | 12.04                                | 0                                       | ИО                 | 6.5                    | 21.35                    |
| KWM3   | 78.85                                  | 12.05                                | 0                                       | No                 | 7                      | 21.77                    |
|        | (Moni                                  | tored and Pu                         | rged on July                            | 17, 1995           | 5)                     |                          |
| MW1    | 79.71                                  | 11.31                                | О                                       |                    | 50                     | 22.85                    |
| MW2    | 79.21                                  | 11.34                                | 0                                       |                    | 50                     | 21.36                    |
| MW3    | 79.45                                  | 11.45                                | 0                                       |                    | 50                     | 21.78                    |
|        | (Monit                                 | ored and Sam                         | pled on June                            | 28, 199            | 5)                     |                          |
| MW1    | 80.11                                  | 10.91                                | 0                                       | No                 | 8                      | 22.84                    |
| MW2    | 79.60                                  | 10.95                                | 0                                       | No                 | 8                      | 21.36                    |
| MW3    | 79.91                                  | 10.99                                | 0                                       | No                 | 8                      | 21.77                    |

|        | Top of Casing |
|--------|---------------|
|        | Elevation     |
| Well # | (feet)*       |
|        |               |
| MW1    | 91.02         |
| MW2    | 90.55         |
| MW3    | 90.90         |

- ♦ The depth to water level and total well depth measurements were taken from the top of the well casings.
- \* Based on the City of Oakland Benchmark #2859 (elevation = 83.05 feet Mean Sea Level).
- -- Sheen determination was not performed.

TABLE 2

RECORD OF THE TEMPERATURE, CONDUCTIVITY, AND pH VALUES
IN THE MONITORING WELLS DURING PURGING AND PRIOR TO SAMPLING

| Well # | Gallons per<br>Casing Volume | Time               |                       |                                   | Temperature (°F)                     | Conductivity ([µmhos/cm]x100)        | Нq                                   |
|--------|------------------------------|--------------------|-----------------------|-----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
|        |                              | (Me                | easured               | on Octobe                         | er 13, 1995)                         |                                      |                                      |
| MW1    | 1.81                         | 10:20              | 0 2                   | 0<br>1.10                         | 66.2<br>68.9                         | 2.46                                 | 7.93<br>7.68                         |
|        |                              | 10:29              | 4<br>6<br>7.5         | 2.21<br>3.32<br>4.14              | 70.1<br>70.5<br>70.4                 | 2.08<br>2.01<br>1.99                 | 7.51<br>7.44<br>7.41                 |
| MW2    | 1.57                         | 11:43              | 0<br>1.5<br>3         | 0<br>0.96<br>1.91                 | 75.3<br>73.4<br>72.8                 | 3.04<br>3.23<br>3.26                 | 6.87<br>6.78<br>6.72                 |
|        |                              | 11:51              | 4.5<br>6.5            | 2.87<br>4.14                      | 72.0<br>71.5                         | 3.17<br>3.12                         | 6.71<br>6.65                         |
| МWЗ    | 1.63                         | 11:03              | 0<br>1.5<br>3<br>4.5  | 0<br>0.92<br>1.84<br>2.76         | 73.4<br>72.4<br>72.1<br>71.8         | 2.08<br>2.34<br>2.75<br>3.08         | 7.40<br>7.17<br>6.90<br>6.82         |
|        |                              | 11:10              | 6<br>7                | 3.68<br>4.29                      | 71.3                                 | 3.00                                 | 6.73                                 |
|        |                              | (Mea               | asured o              | n Septeml                         | ber 22, 1995                         | )                                    |                                      |
| MW1    | 1.86                         | 09:30              | 0<br>2<br>4<br>6<br>8 | 0<br>1.07<br>2.15<br>3.23<br>4.30 | 67.4<br>69.7<br>70.8<br>71.0<br>71.2 | 2.90<br>2.92<br>2.99<br>2.86<br>2.90 | 7.50<br>7.10<br>6.80<br>7.24<br>7.18 |
| MW2    | 1.58                         | <b>11:00</b> 11:10 | 1.5<br>3<br>4.5       | 0<br>0.95<br>1.90<br>2.85<br>4.11 | 73.5<br>75.0<br>75.4<br>75.9<br>76.2 | 5.04<br>5.30<br>5.35<br>5.38<br>5.93 | 6.90<br>6.72<br>6.74<br>6.78<br>6.79 |
| МЖЗ    | 1.65                         | 10:15              | 0<br>2<br>3.5<br>5    | 0<br>1.21<br>2.12<br>3.03         | 74.5<br>73.3<br>72.2<br>71.8         | 3.24<br>4.08<br>4.70<br>4.73         | 7.40<br>6.81<br>6.51<br>6.43         |
|        |                              | 10:25              |                       | 3.64                              | 71.7                                 | 4.74                                 | 6.39                                 |

TABLE 3
SUMMARY OF LABORATORY ANALYSES
WATER

|             |               | TPH as<br>Paint | TPH as          |                |                | Ethyl-         |                |
|-------------|---------------|-----------------|-----------------|----------------|----------------|----------------|----------------|
| <u>Date</u> | <u>Well #</u> | <u>Thinner</u>  | <u>Gasoline</u> | <u>Benzene</u> | <u>Toluene</u> | <u>benzene</u> | <u>Xylenes</u> |
| 4/29/93     | MW1**         | 600             | 290             | 31             | 1.9            | 2.7            | 5.4            |
| 10/13/93    | MW1           | 900             | 290             | 8.6            | 0.55           | 2.8            | 1.4            |
| 12/13/93    | MW1.          | 820*            | 1,700♦          | 170            | 22             | 19             | 48             |
| 6/16/94     | MW1           | 1,200           | 2,100           | 250            | 12             | 27             | 38             |
| 9/13/94     | MW1           | 73              | 170             | 6.6            | 1.6            | 2.4            | 3.3            |
| 12/08/94    | MW1           | 170             | 420             | 16             | 3.0            | 2.9            | 2.7            |
| 3/14/95     | MW1           | 65              | 630             | 39             | ND             | 7.0            | 8.6            |
| 6/28/95     | MW1           | 130             | 720             | 100            | 7.8            | 23             | 32             |
| 9/22/95     | &             |                 |                 |                |                |                |                |
| 10/13/95    | MW1           | 900             | 290             | 8.6            | 0.55           | 2.8            | 1.4            |
| 4/29/93     | MW2**         | 4,100           | 11,000          | 2,400          | 51             | 76             | 160            |
| 10/13/93    | MW2           | 1,500           | 9,400           | 1,200          | 41             | 200            | 61             |
| 12/13/93    | MW2           | 2,600           | 11,000♦         | 1,400          | 66             | 150            | 94             |
| 6/16/94     | MW2           | 11,000          | 18,000          | 2,100          | ND             | 200            | 70             |
| 9/13/94     | MW2           | 5,400           | 12,000          | 1,400          | 50             | 200            | 89             |
| 12/08/94    | MW2           | 3,200           | 11,000          | 1,700          | 34             | 200            | 86             |
| 3/14/95     | MW2           | 670             | 14,000          | 1,500          | 41             | 160            | 66             |
| 6/28/95     | MW2           | 8,700           | 11,000          | 1,700          | ND             | 230            | 78             |
| 9/22/95     |               | •               | ,               | •              |                |                |                |
| 10/13/95    | MW2           | 1,500           | 9,400           | 1,200          | 41             | 200            | 61             |
| 4/29/93     | MW3**         | 5,800           | 8,500           | 840            | 17             | 40             | 42             |
| 10/13/93    | MW3           | 430             | 2,500           | 270            | 1.9            | 15             | 10             |
| 12/13/93    | MW3           | 3,500           | 6,200+          | 580            | 120            | 65             | 120            |
| 6/16/94     | MW3           | 4,700           | 7,700           | 910            | ND             | 86             | 50             |
| 9/13/94     | MW3           | 8,700           | 6,800           | 430            | 14             | 45             | 37             |
| 12/08/94    | MW3           | 2,100           | 1,500           | 820            | ND             | 52             | 28             |
| 3/14/95     | MW3           | 480             | 5,600           | 250            | 11             | 25             | 30             |
| 6/28/95     | EWM           | 2,100           | 14,000          | 650            | 18             | 70             | 54             |
| 9/22/95     | &             | -               | -               |                |                |                |                |
| 10/13/95    | MW3           | 430             | 2,500           | 270            | 1.9            | 15             | 10             |

<sup>\*</sup> Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

<sup>\*</sup> Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a paint thinner and non-paint thinner mixture.

# TABLE 3 (Continued)

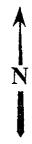
# SUMMARY OF LABORATORY ANALYSES WATER

\*\* TPH as diesel was detected in MW1, MW2, and MW3 at concentrations of 650 ppb, 3,600 ppb, and 4,300 ppb, respectively; however, Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be diesel.

ND = Non-detectable.

-- Indicates analysis was not performed.

Results are in micrograms per liter ( $\mu g/L$ ), unless otherwise indicated.





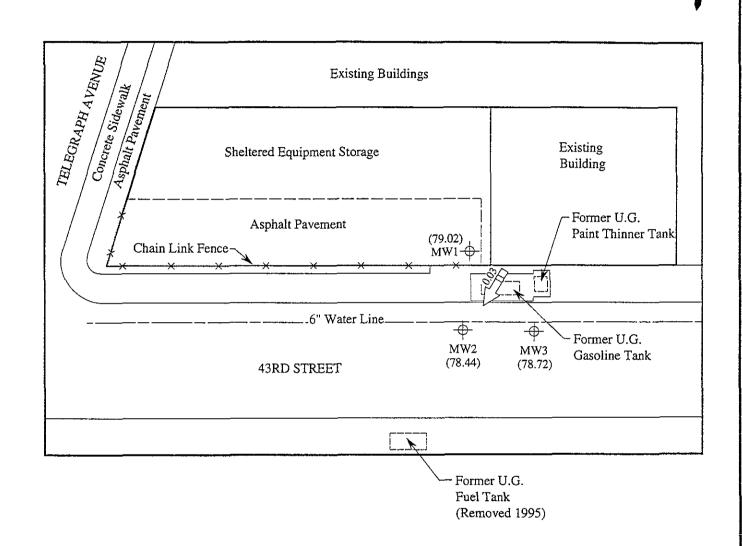
Base modified from 7.5 minute U.S.G.S. Oakland East and West Quadrangles (both photorevised 1980)

O 2000 4000 Approx. scale feet



WELLS FARGO BANK (WALTER BLUMERT CO, INC.) 490 43RD STREET OAKLAND, CA

LOCATION MAP



# **LEGEND**

Monitoring well

Of Ground water elevation in feet above Mean Sea Leve

Direction of ground water flow with approximate hydraulic gradient

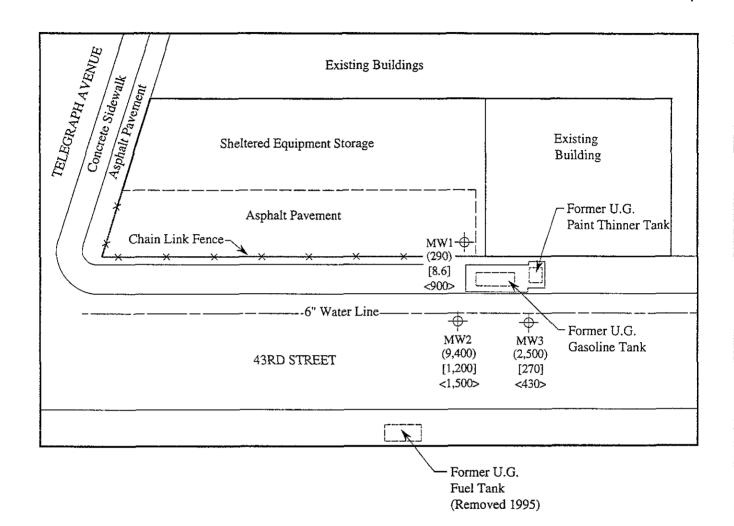
Approx scale teet

# GROUND WATER FLOW DIRECTION MAP FOR THE OCTOBER 13, 1995 MONITORING EVENT



WELLS FARGO BANK (WALTER BLUMERT CO, INC.) 490 43RD STREET OAKLAND, CALIFORNIA

FIGURE



# **LEGEND**

# → Monitoring well

- (1) Concentration of TPH as gasoline in ug/L
- . If Consentration of penyane in ug L
- < > Concentration of TPH as paint thinner in µg/L

O 30 60 Approx scale feet

# PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON OCTOBER 13, 1995



WELLS FARGO BANK (WALTER BLUMERT CO, INC.) 490 43RD STREET OAKLAND, CALIFORNIA

FIGURE

2



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600

remaj <mark>transa premitra</mark> ambi arte i di premitra premitra de la primera de la composició de

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services

2401 Stanwell Dr., Ste. 300 Concord, CA 94520

Client Project ID: Matrix Descript: Wells Fargo Bank, 490 43rd St., Oakland Water

Sampled: Received: Oct 13, 1995 Oct 13, 1995

Attention: Sarkis Karkarian

Analysis Method: First Sample #:

EPA 5030/8015 Mod./8020 510-1243

Reported: Oct 31, 1995

#### TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

| Sample<br>Number | Sample<br>Description | Purgeable<br>Hydrocarbons<br>µg/L | <b>Benzene</b><br>μg/L | <b>Toluene</b><br>μg/L | Ethyl<br>Benzene<br>μg/L | Total<br>Xylenes<br>μg/L |
|------------------|-----------------------|-----------------------------------|------------------------|------------------------|--------------------------|--------------------------|
| 510-1243         | MW 1                  | 290                               | 8.6                    | 0.55                   | 2.8                      | 1.4                      |
| 510-1244         | MW 2                  | 9,400                             | 1,200                  | 41                     | 200                      | 61                       |
| 510-1245         | MW 3                  | 2,500                             | 270                    | 1.9                    | 15                       | 10                       |

| Detection Limits: | 50 | 0.50 | 0.50 | 0.50 | 0.50 |  |
|-------------------|----|------|------|------|------|--|

Total Hurgeable Petroleum Hiydrocarbol sisre quantitated against a fresh gasoline standard His yest reported as ND were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B Kemp Project Manager





Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

oo samuqamadad MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520 Attention: Sarkis Karkarian

Matrix Descript:

Client Project ID: Wells Fargo Bank, 490 43rd St., Oakland Siasa referili Santaemojara Water

Sampled: Received:

Oct 13, 1995 Oct 13, 1995 Oct 31, 1995

Analysis Method: First Sample #:

EPA 5030/8015 Mod./8020 510-1243

Reported: ริเทษ รับบริเทราสเรา ๆ ประกาณ (ประกาณ และหลุดมหาวิทยาสเรามาและ และผลิตเดียน และ "การเมาและสุด และมากรมและ เรเมณ

# TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

| Sample<br>Number | Sample<br>Description | Chromatogram<br>Pattern | DL Mult.<br>Factor | Date<br>Analyzed | Instrument<br>ID | Surrogate<br>Recovery, %<br>QC Limits:<br>70-130 |
|------------------|-----------------------|-------------------------|--------------------|------------------|------------------|--|
| 510-1243         | MW 1                  | Gasoline                | 1.0                | 10/27/95         | HP-1             | 101  |
| 510-1244         | MW 2                  | Gasoline                | 10                 | 10/27/95         | HP-1             | 105  |
| 510-1245         | MW 3                  | Gasoline                | 10                 | 10/27/95         | HP-1             | 86   |

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B Kemp Project Manager





Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services

2401 Stanwell Dr., Ste. 300

Concord, CA 94520 Attention: Sarkis Karkarian Client Project ID:

Wells Fargo Bank, 490 43rd St., Oakland

Sampled: Received: Sep 22, 1995

Sample Matrix: Analysis Method:

EPA 3510/8015 Mod.

Reported:

Sep 22, 1995 Oct 31, 1995

# TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS AS PAINT THINNER

| Analyte                     | Reporting<br>Limit<br>μg/L | Sample<br>I.D.<br>509-1609<br>MW 1 | Sample<br>I.D.<br>509-1610<br>MW 2 | Sample<br>I.D.<br>509-1611<br>MW 3 |  |
|-----------------------------|----------------------------|------------------------------------|------------------------------------|------------------------------------|--|
| Extractable<br>Hydrocarbons | 50                         | 900                                | 1500                               | 430                                |  |
| Chromatogram Pa             | ttern:                     | Paint<br>Thinner                   | Paint<br>Thinner                   | Paint<br>Thinner                   |  |

# **Quality Control Data**

| Report Limit Multiplication Factor: | 1.0     | 1.0     | 1.0     |
|-------------------------------------|---------|---------|---------|
| Date Extracted:                     | 9/29/95 | 9/29/95 | 10/2/95 |
| Date Analyzed:                      | 9/29/95 | 9/29/95 | 10/2/95 |
| Instrument Identification:          | НР-ЗА   | НР-ЗА   | HP-3B   |
| 1                                   |         |         |         |

Extractable Hydrocarbons are quantitated against a fresh paint thir her standal of Analytes reported as NID, were not detected above the stated reporting. Implications of the stated reporting.

SEQUOIA ANALYTICAL, #1271

Signature on Fire

Alan B. Kemp Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Research to the contraction of a MPDS Services

2401 Stanwell Dr., Ste. 300

Concord, CA 94520 Attention: Jerrel Crider Client Project ID: Wells Fargo Bank, 490 43rd St., Oakland

Matrix:

QC Sample Group: 5101243-45 Part i da sami calea et i guarricul. างกับสุดทรางก็อาวรราชาที่เทางานสุดสรรมระสมสาขาวราชายาการกระหว่าสาขาวรรมการความสุดสาขาวสาขาวสาขาวสาขาว

Reported:

# **QUALITY CONTROL DATA REPORT**

| ANALVIE                                 |           |           | - Full I  |           |  |
|---|-----------|-----------|-----------|-----------|--|
| ANALYTE                                 | Benzene   | Toluene   | Ethyl     | Xylenes   |  |
|   |           |           | Benzene   |           |  |
| Method:                                 | EPA 8020  | EPA 8020  | EPA 8020  | EPA 8020  |  |
| Analyst:                                | N. Zahedi | N. Zahedi | N. Zahedi | N. Zahedi |  |
| MS/MSD                                  |           |           |           |           |  |
| Batch#:                                 | 5100538   | 5100538   | 5100538   | 5100538   |  |
|   |           |           |           |           |  |
| Date Prepared:                          | 10/27/95  | 10/27/95  | 10/27/95  | 10/27/95  |  |
| Date Analyzed:                          | 10/27/95  | 10/27/95  | 10/27/95  | 10/27/95  |  |
| Instrument I.D.#:                       | HP-1      | HP-1      | HP-1      | HP-1      |  |
| Conc. Spiked:                           | 10 μg/L   | 10 μg/L   | 10 μg/L   | 30 μg/L   |  |
| Matrix Spike                            |           |           |           |           |  |
| % Recovery:                             | 112       | 112       | 112       | 113       |  |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |           |           |           | · · -     |  |
| Matrix Spike                            |           |           |           |           |  |
| Duplicate %                             |           |           |           |           |  |
| Recovery:                               | 112       | 111       | 111       | 113       |  |
| •                                       |           |           |           |           |  |
| Relative %                              |           |           |           |           |  |
| Difference:                             | 0.0       | 0.90      | 0.90      | 0.0       |  |
|   |           |           |           |           |  |

| LCS Batch#:   | LCS102795                    | LCS102795                    | LCS102795                    | LCS102795                    |  |
|---|------------------------------|------------------------------|------------------------------|------------------------------|--|
| Date Prepared:<br>Date Analyzed:<br>Instrument I.D.#: | 10/27/95<br>10/27/95<br>HP-1 | 10/27/95<br>10/27/95<br>HP-1 | 10/27/95<br>10/27/95<br>HP-1 | 10/27/95<br>10/27/95<br>HP-1 |  |
| LCS %<br>Recovery:                                    | 94                           | 94                           | 94                           | 97                           |  |
| % Recovery<br>Control Limits:                         | 712133                       | 72-128                       | 72-130                       | 71-120                       |  |

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B. Kemp Project Manager Please Note

The LCS is a control sample of known interferent free matrix that is analyzed using the same reagents preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fail within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch





Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services

null assaulabiles is bronckerond Client Project ID:

Wells Fargo Bank, 490 43rd St., Oakland

2401 Stanwell Dr., Ste. 300 Concord, CA 94520

Matrix:

Liquid

Attention: Jerrel Crider

QC Sample Group: 5091609-11 รีบเลงระ เร่าเวลเล็ก เรื่องเกลง เลงการกลดูดเกิดเหตุ ซึ่งเทพระที่กาลเกิดต้องพลดพลดสมเดน เดิมสามารถกร้างการ พ.ศ.

Reported:

Nov 1, 1995

# QUALITY CONTROL DATA REPORT

| ANALYTE           | Diesel    | Diesel           |
|-------------------|-----------|------------------|
| Billion de        | 501 0045  | <b>"D4 004</b> " |
| Method:           | EPA 8015  | EPA 8015         |
| Analyst:          | J. Dinsay | J. Dinsay        |
| MS/MSD            |           |                  |
| Batch#:           | BLK092995 | BLK100295        |
| Date Prepared:    | 9/29/95   | 10/2/95          |
| Date Analyzed:    | 9/29/95   | 10/2/95          |
| Instrument Í.D.#: | GCHP-3A   | GCHP-3A          |
| Conc. Spiked:     | 300 μg/L  | 300 μg/L         |
| Matrix Spike      |           |                  |
| % Recovery:       | 117       | 117              |
| Matrix Spike      |           |                  |
| Duplicate %       |           |                  |
| Recovery:         | 120       | 100              |
| •                 |           |                  |
| Relative %        |           |                  |
| Difference:       | 2.8       | 15               |
|                   |           |                  |

| LCS Batch#:        | LCS092995 | LCS100295 |
|--------------------|-----------|-----------|
| Date Prepared:     | 9/29/95   | 10/2/95   |
| Date Analyzed:     | 9/29/95   | 10/2/95   |
| Instrument I.D.#:  | GCHP-3A   | GCHP-3A   |
| LCS %<br>Recovery: | 117       | 83        |
|                    |           |           |

| % Recovery      |        | <u> </u> | <br> | <del> </del> |
|-----------------|--------|----------|------|--------------|
| Control Limits: | 38-122 | 38-122   |      |              |

Please Note

SEQUOIA ANALYTICAL, #1274

Signature on File

Alan B Kemp Project Manager

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch



# SERVICES INCORPORATED 2401 Stanwell Drive, Suite 400 Concord, California 94520 Tel: (510) 602-5100, Fax: (510) 689-1918

CHAIN OF CUSTODY

Of Stanwell Drive, Suite 400 CHAIN OF COST ncord, California 94520

| VARTER TASHDILAN UNCLES FARGO WARTER TASHDILAN WARTER TASHDILAN           |          |                     |  |                            |  |              | TURN AROUND TIME:   |                   |                |           |           |          |          |              |           |                            |
|---|----------|---------------------|--|----------------------------|--|--------------|---|-------------------|----------------|-----------|-----------|----------|----------|--------------|-----------|----------------------------|
| VARTKES TASHDJIAN WITNESSING AGENCY                                       |          |                     | 100 12rd of  |                            |  |              |   | I-GAS<br>EX<br>I- | TPH-<br>DIESEL | C         | 0         |          |          |              |           | Regular-                   |
| SAMPLE ID NO  | DATE     | TIME                | WATER  | GRAB                       | СОМР   | NO. OF CONT. | SAMPLING<br>LOCATION  | TPH-G<br>BTEX     | TPI            | TOG       | 8010      |          |          |              |           | REMARKS                    |
| MW 1  | 10/13/95 | 10.45<br>AM         | X  | Χ                          |  | 200A,        | Well  | X                 |                | 5101      | 243       | A,£      |          |              |           |                            |
| MWZ   | 1,       | 12:70<br>PH         | X  | Х                          |  | ٠,           | τ   | X                 |                | 5101      | 244       | A, E     | ļ        | <u> </u>     |           |                            |
| MW3   | ٦        | 11:2 <b>5</b><br>AM | Х  | X                          |  | ٦            | 4.  | X                 |                | 5101      | 245       | A, E     |          |              |           |                            |
|   |          |                     |  |                            |  |              |   |                   |                |           |           |          |          | ļ            | ļ         |                            |
|   |          |                     |  |                            |  |              |   | <u> </u>          |                |           |           |          |          |              | ļ         | -                          |
|   |          |                     |  |                            |  |              |   |                   |                |           |           |          |          | <del> </del> |           |                            |
|   | <u> </u> |                     | ļ  |                            | ļ  |              |   |                   | <u> </u>       |           |           |          |          | -            |           | -<br>-<br>-                |
|   |          | <i></i>             | <u> </u>   | ļ                          | -  |              | ļ   |                   | <u> </u>       |           | <u>'</u>  | <br>     | <u> </u> | -            |           |                            |
|   |          |                     |  |                            |  |              |   |                   | -              |           |           |          | <u>.</u> | -            |           |                            |
|   |          | DATE                | CIA 45   | 1.P4.E3                    |  | RECEIVED BY: | D4  | TE/TIME           | THE FO         | LLOWING I | MUST BE ( | COMPLETE | BY THE L | ABORATO      | RY ACCEPT | TING SAMPLES FOR ANALYSES: |
| Vaither Social 10-16-95 (SIGNATURE)  10/13/91  10-16-95 (SIGNATURE)  0819 |          | 3                   |  |                            |  | lislex       | 1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? |                   |                |           |           |          |          |              |           |                            |
|   |          |                     | 2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED?  3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? |                            |  |              |   |                   |                |           |           |          |          |              |           |                            |
| (SIGNATURE) 1976 ISIGNATURE 10  |          |                     |  | 1330<br>1-16<br>136<br>436 | 4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? |              |   |                   |                |           |           |          |          |              |           |                            |
| (SIGNATURE)   |          | 10-16               |  | ISIGN                      | ATURE  |              |   | 350               | SIGNAT         | URE:      | ······    |          |          | TIT          | LE:       | DATE:                      |

2401 Stanwell Dilve, Suite 400

Concord, California 94520

Tel: (510) 602-5100, Fax: (510) 689-1918 ANALYSES REQUESTED SIS 1 Fareo CITY: Cakland
Bank
ADDRESS: 490 43 rd et. TURN AROUND TIME: BAMPLER ALEXANDER ARZOMANOV Regular TPH-DIESEL WITHERSING AGENCY 8010 REMARKS DALLAMAS LOCATION WATER GRAB COMP NO. OF CONT. DATE SAMPLE ID NO. 5091609 AC well V 3 9-22-93 Mωſ 5091610 [1 1/ MW2 5091611 V 4 RESAMPLED
FOR 10/13/95 MW3 lrTHE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES: DATE/TIME RECEIVED BY: DATE/TIME RELINQUISHED BY: 12:30 12:30 1. HAVE ALL BAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE! 4.05 9-22-95 GIGNATURE (SIGNATURE) 3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? No ISIGNATURE (SIGNATURE) 4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? (SIGNATURE) (SIGNATURE) SIGNATURE (SIGNATURE) (SIGNATURE)