

2307 Pacific Avenue Alameda, CA 94501 Phone: (510) 865-9503 Fax: (510) 865-1889 E-mail: xtraoil@internetmci.com

XTRA OIL COMPANY

February 25, 1999

Mr. Scott Seery Alameda Health Care Services Agency 1131 Harbor Bay Parkway, Room 250 Alameda, CA. 94502-6577

Regarding: 3495 Castro Valley Blvd., Castro Valley

Dear Mr. Seery:

Please find enclosed the quarterly report(s) for the above referenced sites.

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

Sincerely,

Keith Simas

Operations Supervisor

P & D ENVIRONMENTAL

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

> February 5, 1999 Report 0014.R29

Mr. Ted Simas Mr. Keith Simas XTRA OIL Company 2307 Pacific Ave. Alameda, CA 94501

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT

XTRA OIL Company

3495 Castro Valley Blvd.

Castro Valley, CA

Gentlemen:

P&D Environmental, a division of Paul H. King, Inc. (P&D) is pleased to present this report documenting the results of the most recent quarterly monitoring and sampling of the wells at the subject site. This work was performed in accordance with P&D's proposal 063098.Pl dated June 30, 1998. The wells were monitored and sampled on January 29, 1999. The reporting period is for May, 1998 through January, 1999. A Site Location Map (Figure 1) and Site Plan (Figure 2) are attached with this report.

BACKGROUND

The site is currently used as a gasoline station. Four 12,000 gallon underground fuel storage tanks are present at the site. Three of the tanks contain gasoline and the fourth tank contains diesel fuel. A 550 gallon waste oil tank was removed from the site in November, 1988. The fuel tanks were replaced during August, 1992.

Three monitoring wells, designated as MW1, MW2 and MW3 were installed at the site on February 14 and 15, 1990 by Western Geo-Engineers. The subsurface materials encountered in the boreholes consisted primarily of silt and clay. The locations of the monitoring wells are shown in Figure 2. Soil samples collected during drilling of the boreholes for the monitoring wells revealed the presence of total petroleum hydrocarbons as gasoline (TPH-G) and total petroleum hydrocarbons as diesel (TPH-D). TPH-G was encountered in borehole MW1 at depths of 5 and 10 feet below grade at concentrations of 40 and 1,400 ppm, respectively; in borehole MW2 at depths of 10 and 15 feet below grade at concentrations of 230 and 95 ppm, respectively; and in borehole MW3 at depths of 5, 10 and 15 feet at concentrations of 140, 250 and 25 ppm, respectively. In addition, 120 ppm TPH-D was detected in borehole MW3 at a depth of 5 feet. Soil samples collected at a depth of 20 feet in borehole MW1 and at a depth of 18 feet in boreholes in MW2 and MW3 did not show any detectable concentrations of TPH-G or TPH-D. Groundwater was encountered in the boreholes at depths of approximately 15 to 16 feet below grade.

On February 15, 1990 Western Geo-Engineers drilled three exploratory boreholes at the site designated as SB1, SB2 and SB3. The subsurface materials encountered in the boreholes consisted primarily of silt and clay. The approximate locations of the boreholes are shown on Figure 2. It is P&D's understanding that soil samples were collected from the exploratory boreholes at depths of 10 and 12 feet and evaluated in the field using a photo ionization detector. In borehole SB1, TPH-G was detected at the depths of 10 and 12 feet at concentrations of 1,700 and 450 ppm, respectively. In boreholes SB2 and SB3, TPH-G was detected at the depths of 10 and 12 feet in both boreholes at concentrations of 800 ppm and greater than 2,000 ppm, respectively. A groundwater monitoring and sampling program was initiated at the site on February 20, 1990.

It is P&D's understanding that during fuel tank replacement activities in August, 1992 soil surrounding the tank pit was removed and disposed of offsite. An extraction well, designated as EW1, was designed and constructed in one corner of the new tank pit by K&B Environmental at the time of installation of the new tanks. The location of EW1 is shown on Figure 2.

On February 7, 1996 well MW2 was destroyed for the purpose of widening Redwood Road. The destruction was overseen by ACC Environmental Consultants of Oakland, California.

On August 15, 1997 P&D personnel oversaw the installation of one groundwater monitoring well, designated as MW4 at the subject site. The location of the monitoring well is shown on the attached Site Plan, Figure 2. This work was performed in accordance with P&D's work plan 0014.W4 dated June 27, 1997. The work plan was approved by the Alameda County Department of Environmental Health (ACDEH) in a telephone conversation with Mr. Scott Seery on August 14, 1997. During the conversation, Mr. Seery indicated that he would record his approval of the work plan in the county file for the site.

FIELD ACTIVITIES

On January 29, 1999 the three groundwater monitoring wells at the site (MN1, MN3 and MN1) were monitored and sampled by PED personnel. A joint groundwater monitoring with Allisto Engineering, Inc. was not performed this quarter.

Extraction well EW1 was not monitored or sampled at the subject site during the quarter. 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 free product and sheen was evaluated using a transparent bailer. No free product was observed in any of the monitoring wells. However, sheen was observed in well MW3. A petroleum-absorbent sock was present in monitoring well MW1. Depth to water level measurements are presented in Table 1.

Prior to sampling, the monitoring wells were purged of a minimum of three casing volumes of water, or until the wells had been purged dry. 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 or the wells had been purged dry and partially recovered, water samples were collected using a clean Teflon bailer.

The water samples were transferred to 40-milliliter glass Volatile Organic Analysis (VOA) vials and 1-liter amber glass bottles 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 and bottles were then transferred to a cooler with ice, until they 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

Water levels were measured in the wells once during the monitoring period. The measured depth to water at the site in wells MW1, MW3 and MW4 on January 29, 1999 was 6.99, 6.42, and 6.68 feet, respectively. Groundwater levels have

increased in wells MW1, MW3 and MW4 by 0.51, 0.43 and 0.19 feet, respectively, since the previous monitoring on April 26, 1998.

Based on the measured depth to groundwater in the groundwater monitoring wells, the apparent groundwater flow direction at the site on January 29, 1999 was calculated to be to the east-southeast with a gradient of 0.0084. The groundwater flow direction has shifted toward the north and the gradient has increased since the previous monitoring.

LABORATORY RESULTS

The groundwater samples collected from the monitoring wells were analyzed for TPH-G using EPA Method 5030 and Modified EPA Method 8015; benzene, toluene, ethylbenzene, total xylenes (BTEX), and MTBE using EPA Method 8020; and for TPH-D using EPA Method 3510 in conjunction with Modified EPA Method 8015.

The laboratory analytical results for the groundwater samples from wells MW1, MW3 and MW4 show TPH-G concentrations of 47, 84 and 190 ppm, respectively; benzene concentrations of 9.0, 31 and 44 ppm, respectively; and TPH-D concentrations of 9.1, 240 and 7.3 ppm, respectively. Review of the laboratory analytical reports indicates that the TPH-D results for MW1, MW3 and MW4 are both diesel-range and gasoline-range compounds.

Since the sampling on April 26, 1998, TPH-G concentrations have decreased or remained unchanged, TPH-D concentrations have decreased in MW3 and MW4 and increased in MW1, and benzene concentrations have decreased in wells MW1 and MW4 and increased in well MW3. The laboratory analytical results of the groundwater samples are summarized in Table 2. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report.

DISCUSSION AND RECOMMENDATIONS

P&D recommends that use of absorbent socks in the wells be continued. The socks should be checked periodically and replaced as needed.

Based on the laboratory analytical results of the water samples collected from the monitoring wells, P&D recommends that groundwater monitoring and sampling be continued. In addition, P&D recommends that future monitoring and sampling efforts continue to be coordinated with other sites in the vicinity of the subject site which are presently being monitored and sampled.

Based upon discussions with Mr. Scott Seery of the ACDEH, P&D recommends that the monitoring and sampling frequency be reduced from quarterly to every six months.

DISTRIBUTION

Copies of this report should be sent to Mr. Chuck Headlee at the Regional Water Quality Control Board, San Francisco Bay Region, and to Mr. Scott Seery at the Alameda County Department of Environmental Health. Copies of the report should be accompanied by a transmittal letter signed by the principal executive officer of the XTRA OIL Company.

LIMITATIONS

This report was prepared solely for the use of XTRA OIL Company. 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 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.

DONIR, BRAUN

No. 1310 CERTIFIED

GEOLOGIST

OF CALIFO

Sincerely,

P&D Environmental

Paul H. King Hydrogeologist

Don R. Braun

Certified Engineering Geologist

Registration No.: 1310 Expiration Date: 6/30/00

PHK 0014.R29

Attachments: Tables 1 & 2

Site Location Map (Figure 1)

Site Plan (Figure 2) Field Parameter Forms

Laboratory Analytical Results Chain of Custody Documentation

TABLE 1 WELL MONITORING DATA

| Well | Date | Top of Casing | Depth to | Water Table |
|------|------------|-----------------|---------------------|-------------|
| No. | Monitored | Elev. (ft.) | Water (ft.) | Elev. (ft.) |
| MW1 | 1/29/99 | 177.37* | 6.99 | 170.38 |
| WAY | 4/26/98 | 1//.3/- | 7.50 | 169.87 |
| | 1/24/98 | | 6.61 | 170.76 |
| | 11/06/97 | | 8.79 | 168.58 |
| | 8/26/97 | | 8.51 | 168.86 |
| | 7/24/97 | 177.43** | 8.71 | 168.72 |
| | 4/25/97 | 177.43 | 7.98 | 169.45 |
| 1 | 1/20/97 | | 7.12 | 170.31 |
| | 7/26/96 | | 8.39 | 169.04 |
| | 7/09/96 | | 8.16 | 169.27 |
| | 4/23/96 | | 7.47 | 169.96 |
| | 2/07/96 | | 6.09 | 171.34 |
| | 1/29/96 | | 6.17 | 171.26 |
| | 10/26/95 | | 8.45 | 168.98 |
| | 7/28/95 | | 8.27 | 169.16 |
| | 5/02/95 | • | 6.96 | 170.47 |
| | 2/23/95 | | 7.72 | 169.71 |
| | 11/18/94 | | 7.14 | 170.29 |
| | 8/22/94 | | 8.67 | 168.76 |
| | 5/19/94 | | 8.05 | 169.38 |
| | 2/28/94 | | 7.44 | 169.99 |
| | 11/24/93 | | 8.74 | 168.69 |
| | 8/30/93 | | 8.78 | 168.65 |
| | 5/18/93 | | 8.12 | 169.31 |
| | 2/23/93 | | 7.34 | 170.09 |
| | 11/13/92 | 200.00*** | 9.13 | 190.87 |
| | 5/29/92 | 175.73 | 8.59 | 167.14 |
| | 1/14/92 | | 8.57 | 167.16 |
| | 12/23/91 | | 9.65 | 166.08 |
| | 11/25/91 | | 9.41 | 166.32 |
| | 10/10/91 | | 9.70 | 166.03 |
| | 9/17/91 | | 9.50 | 166.23 |
| | 8/19/91 | | 9.31 | 166.42 |
| MW2 | NOT MEASUR | ED (DESTROYED O | N FEBRUARY 7, 1996) | |
| | 2/07/96 | 176.04** | 5.70 | 170.34 |
| | 1/29/96 | | 5.16 | 170.88 |
| | 10/26/95 | | 8.21 | 167.83 |
| | 7/28/95 | | 7.99 | 168.05 |
| | 5/02/95 | | 6.79 | 169.25 |
| | 2/23/95 | | 7.51 | 168.53 |
| | 11/18/94 | | 6.92 | 169.12 |
| | 8/22/94 | | 8.59 | 167.45 |
| | 5/19/94 | | 7.70 | 168.34 |
| | 2/28/94 | | 6.99 | 169.05 |
| | 11/24/93 | | 8.47 | 167.57 |
| | 8/30/93 | | 8.64 | 167.40 |
| | 5/18/93 | | 7.73 | 168.31 |

NOTES:

^{* =} Surveyed on August 20, 1997 ** = Surveyed on March 24, 1993 *** = Surveyed on December 5, 1992

TABLE 1 WELL MONITORING DATA (Continued)

| Well | Date | Top of Casing | Depth to Water (ft.) | Water Table Elev. (ft.) |
|-------|---------------------|---------------|-------------------------|----------------------------|
| No. | Monitored | Elev. (ft.) | Water (IC.) | Biev. (ic., |
| MW2 | 2/23/93 | | 6.39 | 169.65 |
| 24112 | 11/13/92 | 198.61*** | 8.70 | 189.91 |
| | 5/29/92 | 175.45 | 9.31 | 166.14 |
| | 1/14/92 | _, | 8.97 | 166.48 |
| | 12/23/91 | | 10.39 | 165.06 |
| | 11/25/91 | | 9.81 | 165.64 |
| | 10/10/91 | | 10.39 | 165.06 |
| | 9/17/91 | | 10.23 | 165.22 |
| | 8/19/91 | | 9.60 | 165.85 |
| MW3 | 1/29/99 | 176.40* | 6.42 | 169.98 |
| | 4/26/98 | | 6.85 | 169.55 |
| | 1/24/98 | | 5.90 | 170.50 |
| | 11/06/97 | | 7.80 | 168.80 |
| | 8/26/97 | | 7.67 | 168.93 |
| | 7/24/97 | 176.41** | 7.90 | 168.51 |
| | 4/25/97 | | 7.12 | 169.29 |
| | 1/20/97 | | 6.35 | 170.06 |
| | 7/26/96 | | 7.84 | 169.57 |
| | 7/09/96 | | 7.61 | 168.80 169.60 |
| | 4/23/96 | | 6.81 | 170.36 |
| | 2/07/96 | | 5.05 5.77 | 170.64 |
| | 1/29/96 10/26/95 | | 7.72 | 168.69 |
| | 7/28/95 | | 7.72 | 168.61 |
| | 5/02/95 | | 6.50 | 169.91 |
| | 2/23/95 | | 7.24 | 169.17 |
| | 11/18/94 | | 6.05 | 170.36 |
| | 8/22/94 | | 7.65 | 168.76 |
| | 5/19/94 | | 7.15 | 169.26 |
| | 2/24/94 | | 6.68 | 169.73 |
| | 11/24/93 | | 7.55 | 168.86 |
| | 8/30/93 | | 7.64 | 168.77 |
| | 5/18/93 | | 7.12 | 169.29 |
| | 2/23/93 | | 8.01 | 168.40 |
| | 11/13/92 | 190.97*** | 7.86 | 191.12 |
| | 5/29/92 | 175.00 | 8.45 | 166.55 |
| | 1/14/92 | | 8.24 | 166.55 |
| | 12/23/91 | | 9.37 | 165.63 |
| | 11/25/91 | | 9.19 | 165.81 |
| | 10/10/91 | | 9.43 | 165.57 |
| | 9/17/91 | | 9.20 | 165.80 |
| | 8/19/91 | | 8.95 | 166.05 |
| MW4 | 1/29/99 | 176.35* | 6.68 | 169.67 |
| • | 4/26/9B | | 6.87 | 169.48 |
| | 1/24/98 | | 6.61 | 169.74 |
| | 11/06/97 | | 9.16 | 167.19 |
| | 8/26/97 | | 8.92 | 167.43 |
| | 8/20/97 | | 7.66 (prior to | Geoerobment) |

NOTES:

^{* =} Surveyed on August 20, 1997 ** = Surveyed on March 24, 1993 *** = Surveyed on December 5, 1992

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes |
|-------------|----------|-----------|----------|----------------------------|----------|-------------------|------------------|
| | | | | oles Collect anuary 29, | | | |
| MW1+ | 9.1 | 47 | ND | 9.0 | 2.9 | 1.9 | 8.0 |
| MW2 | Not Samp | led (Des | troyed o | n February | 7, 1996) | | |
| MW3+ | 240 | 84 | 1.3 | 31 | 2.8 | 1.8 | 12 |
| MW4+ | 7.3 | 190 | 2.4 | 44 | 40 | 3.1 | 17 |
| EW1 | Not Samp | oled | | | , | | |
| | | | | ples Collec April 26, 1 | | | |
| MW1++ | 7.8 | 60 | ND | 9.3 | 5.7 | 2.1 | 9.1 |
| MW2 | Not Samp | oled (Des | troyed c | n February | 7, 1996) | | |
| MW3+ | 380 | 100 | 9.7 | 29 | 7.1 | 1.8 | 14 |
| MW4 + | 13 | 190 | ND | 49 | 37 | 3.2 | 18 |
| EW1 | Not Samp | pled | | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

ND = Not Detected.

^{+ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of both diesel-range and gasoline range compounds.

^{++ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of gasoline range compounds.

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | |
|---------------------------------------|----------|-----------|----------|----------------------------|----------|-------------------|------------------|--|--|--|
| | | | | oles Collec Anuary 24, | | | | | | |
| MW1+ | 24 | 57 | ND | 6.9 | 5.5 | 2.0 | 8.7 | | | |
| MW2 | Not Samp | led (Des | troyed o | n February | 7, 1996) | | | | | |
| MW3+ | 77 | 97 | ND | 28 | 7.1 | 1.8 | 11 | | | |
| MW4+ | 20 | 200 | ND | 50 | 40 | 3.1 | 17 | | | |
| EW1 | Not Samp | led | | | | | | | | |
| Samples Collected on November 6, 1997 | | | | | | | | | | |
| MW1++ | 17 | 63 | ND | 7.4 | 6.7 | 2.3 | 9.9 | | | |
| MW2 | Not Samp | led (Des | troyed o | n February | 7, 1996) | | | | | |
| MW3+ | 120 | 140 | ND | 37 | 19 | 2.4 | 14 | | | |
| MW4+ | 110 | 160 | ND | 48 | 30 | 2.8 | 16 | | | |
| EW1 | Not Samp | led | | | | | | | | |
| | | | | oles Collec ugust 26, 1 | | | | | | |
| MW1 | Not Samp | led | | | | • | | | | |
| MW2 | Not Samp | led (Desi | troyed o | n February | 7, 1996) | | | | | |
| MM 3 | Not Samp | led | | | | | | | | |
| MW4 + | 5.5 | 210 | 1.7 | 48 | 42 | 3.4 | 19 | | | |
| EW1 | Not Samp | led | | | | | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

⁼ Review of the laboratory analytical reports indicates that the TPH-D results consist of both diesel-range and gasoline range compounds.

^{++ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of gasoline range compounds.

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

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS (Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | | |
|-------------------------------------|----------|-----------|----------|---------------------------|----------|-------------------|------------------|--|--|--|--|
| Samples Collected on July 24, 1997 | | | | | | | | | | | |
| MW1++ | 28 | 66 | 1.8 | 8.6 | 8.1 | 2.2 | 10 | | | | |
| MW2 | Not Samp | led (Des | troyed o | n February | 7, 1996) | | | | | | |
| MW3++ | 91 | 120 | 1.4 | 33 | 17 | 2.2 | 12 | | | | |
| EW1 | Not Samp | led | | | | | | | | | |
| Samples Collected on April 25, 1997 | | | | | | | | | | | |
| MW1+ | 170 | 77 | ND | 7.4 | 7.9 | 2.1 | 9.8 | | | | |
| MW2 | Not Samp | led (Des | troyed o | n February | 7, 1996) | | | | | | |
| MW3+ | 760 | 240 | 1.6 | 24 | 18 | 4.1 | 24 | | | | |
| EW1 | Not Samp | led | | | | | | | | | |
| | | | | ples Collec anuary 21, | | | | | | | |
| MW1++ | 57 | 80 | 0.25 | 7.8 | 8.3 | 1.9 | 8.9 | | | | |
| MW2 | Not Samp | led (Des | troyed c | on February | 7, 1996) | · | | | | | |
| MW3++ | 34 | 150 | 1.30 | 40 | 14 | 2.6 | 12 | | | | |
| EW1 | Not Samp | oled | | | | | | | | | |
| | | | | ples Collec July 26, 1 | | | | | | | |
| MW1++ | 11 | 76 | ND | 11 | 13 | 2.4 | 10 | | | | |
| MW2 | Not Samp | oled (Des | troyed o | on February | 7, 1996) | | | | | | |
| MW3++ | 24 | 130 | 0.89 | 40 | 22 | 2.4 | 12 | | | | |
| EW1 | Not Samp | pled | • | | | | | | | | |

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

ND = Not Detected.

⁼ Review of the laboratory analytical reports indicates that the TPH-D results consist of both diesel-range and gasoline range compounds.

⁼ Review of the laboratory analytical reports indicates that the TPH-D results consist of gasoline range compounds.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
(Continued)

| Well | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes |
|-------------|----------|----------|------------|----------------------------|-----------|-------------------|------------------|
| No. | | | | les Collect pril 23, 19 | | Denzene | ny reneb |
| MW1++ | 5.7 | 73 | ND | 8.6 | 12 | 2.2 | 9.8 |
| MW2 | Not Samp | led (Des | troyed or | n February | 7, 1996) | | |
| MW3++ | 280 | 170 | 0.72 | 34 | 22 | 2.2 | 14 |
| EW1 | Not Samp | led | | | | | |
| | | | | les Collect nuary 29, 1 | | | |
| MW1++ | 6.6 | 81 | 0.25 | 7.6 | 13 | 1.9 | 8.9 |
| MW2++ | 4.6 | 38 | 0.0071 | 1.9 | 5.7 | 1.1 | 5.9 |
| MW3++ | 45 | 150 | 0.54 | 32 | 21 | 1.9 | 12 |
| EW1 | Not Samp | led | | | | | |
| | | | | les Collect tober 26, | | | |
| MW1++ | 62 | 89 | ND | 7.8 | 12 | 2.4 | 11 |
| MW2 | 900 | 74 | ND | 2.9 | 5.9 | 2.0 | 10 |
| ММ 3 | 33 | 130 | 0.69 | 37 | 21 | 0.21 | 11 |
| EW1 | Not Samp | led. | | | | | |
| | | | Samp on | oles Collectually 28, 19 | ted 95 | | |
| MW1++ | 2.0 | 35 | NA | 3.8 | 8.7 | 1.1 | 6.5 |
| MW2++ | 2.0 | 15 | NA. | 1.4 | 2.3 | 0.62 | 3.2 |
| MW3+ | 1.9 | 86 | NA | 28 | 16 | 1.3 | 7.6 |
| EW1 | Not Samp | oled. | | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

ND = Not Detected.

^{+ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of both diesel-range and gasoline range compounds.

^{++ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of gasoline range compounds.

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

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
(Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xyl enes | | | | |
|---|--------------|-------|--------------|---------------------------|-------------|-------------------|--------------------------|--|--|--|--|
| Samples Collected on May 2, 1995 | | | | | | | | | | | |
| MW1++ | 6.5 | 86 | NA | 8.9 | 14 | 2.3 | 11 | | | | |
| MW2+ | 6.6 | 55 | NA | 3.3 | 10 | 1.8 | 10 | | | | |
| MW3+ | 9.7 | 170 | NA | 43 | 30 | 2.5 | 14 | | | | |
| EW1 | Not Sampled. | | | | | | | | | | |
| Samples Collected on February 24, 1995 | | | | | | | | | | | |
| MW1 | 9.1 | 90 | NA | 7.5 | 12 | 1.5 | 11 | | | | |
| MW2 | 22 | 67 | NA | 4.9 | 11 | 1.8 | 11 | | | | |
| MW3 | 9.2 | 130 | NA | 31 | 19 | 1.8 | 10 | | | | |
| EW1 | Not Samp | oled. | | | | | | | | | |
| | | | Sam on No | ples Collec vember 18, | ted 1994 | | | | | | |
| MW1 | 10 | 96 | NA | 9.3 | 14 | 2.5 | 11 | | | | |
| MW2 | 5.0 | 86 | NA | 11 | 17 | 1.8 | 12 | | | | |
| MW3 | 23 | 140 | NA | 38 | 22 | 2.0 | 11 | | | | |
| EW1 | Not Samp | oled. | | ples Collec | | | | | | | |
| | | | on A | ugust 22, 1 | .994 | | | | | | |
| MW1 | 8.3 | 100 | NA | 9.0 | 11 | 2.1 | 9.4 | | | | |
| MW2 | 4.1 | 91 | NA | 10 | 13 | 1.5 | 9.0 | | | | |
| MW3 | 5.3 | 170 | NA | 35 | 20 | 1.8 | 10 | | | | |
| EW1 | Not Sam | pled. | | | | | | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

NA = Not Analyzed.

^{+ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of both diesel-range and gasoline range compounds.

^{++ =} Review of the laboratory analytical reports indicates that the TPH-D results consist of gasoline range compounds.

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS (Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | | |
|--|--------------|-------|----------------|-----------------------------|------------|-------------------|------------------|--|--|--|--|
| Samples Collected on May 19, 1994 | | | | | | | | | | | |
| MW1 | 30 | 100 | NA | 12 | 14 | 3.5 | 17 | | | | |
| MW2 | 5.8 | 62 | NA | 9.2 | 13 | 1.3 | 8.4 | | | | |
| мwз | 30 | 150 | NA | 38 | 25 | 2.4 | 14 | | | | |
| EW1 | Not Sampled. | | | | | | | | | | |
| Samples Collected on February 28, 1994 | | | | | | | | | | | |
| MW1 | 110 | 90 | NA | 11 | 9.6 | 2.1 | 9.9 | | | | |
| MW2 | 13 | 91 | NA | 13 | 16 | 1.5 . | 9.0 | | | | |
| MW3 | 210 | 110 | NA | 36 | 21 | 1.9 | 11 | | | | |
| EW1 | Not Sampl | .ed. | | | | | | | | | |
| | | | Samp on Nov | les Collect ember 24, 1 | ed 1993 | | | | | | |
| MW1 | 8.2 | 66 | NA | 8.3 | 8.9 | 2.0 | 11 | | | | |
| MW2 | 79 | 12 | NA | 13 | 17 | 2.5 | 17 | | | | |
| MW3 | 24 | 160 | NA | 48 | 26 | 2.2 | 12 | | | | |
| EW1 | Not Samp | led. | | les Collect igust 30, 19 | | | | | | | |
| MWl | 9.4 | 77 | NA | 6.4 | 11 | 2.2 | 12 | | | | |
| MW2 | 110 | 110 | NA | 11 | 14 | 1.8 | 11 | | | | |
| WM3 | 32 | 130 | NA | 36 | 21 | 1.9 | 8.2 | | | | |
| EW1 | Not Samp | led. | | | | | | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

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

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
(Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | | |
|--|------------------|-------|------|----------------------------|---------|-------------------|------------------|--|--|--|--|
| Samples Collected on May 18, 1993 | | | | | | | | | | | |
| MW1 | 30 | 92 | NA | 4.0 | 11 | 2.5 | 15 | | | | |
| MW2 | 44 | 67 | NA | 9.2 | 12 | 1.4 | 9.3 | | | | |
| MW3 | 7.2 | 130 | NA | 36 | 21 | 2.1 | 12 | | | | |
| EW1 | EW1 Not Sampled. | | | | | | | | | | |
| Samples Collected on February 23, 1993 | | | | | | | | | | | |
| MW1 | 14 | 100 | NA · | 4.5 | 11 | 2.1 | 12 | | | | |
| MW2 | 7.0 | 76 | NA | 12 | 17 | 1.6 | 9.6 | | | | |
| MW3 | 8.1 | 110 | NA | 31 | 18 | 1.9 | 11 | | | | |
| EW1 | 9.6 | 66 | NA | 14 | 8.5 | 1.4 | 9.8 | | | | |
| | | | | ples Collect vember 13, | | | | | | | |
| WMI | 4.4 | 120 | NA | 5.8 | 10 | 2.1 | 13 | | | | |
| MW2 | 8.2 | 79 | NA | 10 | 13 | 1.4 | 8.6 | | | | |
| MW3 | 4.7 | 140 | NA | 38 | 24 | 2.0 | 12 | | | | |
| EW1 | 13 | 62 | NA | 11 | 9.2 | 1.1 | 9.6 | | | | |
| Samples Collected On May 27, 1992 | | | | | | | | | | | |
| MW1 | 11 | 120 | NA | 8.8 | 16 | 2.3 | 15 | | | | |
| MW2 | 130 | 89 | NA | 18 | 19 | 1.7 | 14 | | | | |
| MW3 | 27 | 370 | NA | 91 | 57 | 3.0 | 21 | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

NA = Not Analyzed.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
(Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | | |
|---|-------|-------|--------------|----------------------------|-------------|-------------------|------------------|--|--|--|--|
| | · | | Sam On Ja | ples Collec anuary 14, | ted 1992 | | | | | | |
| MW1 | 19 | 39 | NA | 7.3 | 8.7 | 1.3 | 8.9 | | | | |
| MW2 | 1600 | 59 | NA | 17 | 14 | 1.8 | 15 | | | | |
| MM3 | 270 | 130 | NA | 76 | 30 | 3.4 | 21 | | | | |
| Samples Collected On December 23, 1991 | | | | | | | | | | | |
| MW1 | 34 | 78 | NA | 9.3 | 7.3 | 0.54 | 13 | | | | |
| MW2 | 700 | 2100 | NA | 36 | 130 | 79 | 560 | | | | |
| MW3 | 540 | 740 | NA | 30 | 61 | 31 | 180 | | | | |
| | | | Sam On No | ples Collec vember 25, | ted 1991 | | | | | | |
| MW1 | 36 | 170 | NA | 5.5 | 5.6 | 1.6 | 8.4 | | | | |
| MW2 | 130 | 230 | NA | 11 | 9.7 | 1.4 | 9.7 | | | | |
| MW3 | 74 | 150 | NA | 65 | 31 | 3.4 | 18 | | | | |
| | | | Sam On O | ples Collec ctober 10, | ted 1991 | | | | | | |
| MW1 | 19 | 28 | NA | 4.1 | 4.7 | 1.0 | 4.8 | | | | |
| MW2 | 360 | 85 | NA | 21 | 25 | 2.1 | 14 | | | | |
| MW3 | 39 | 140 | NA | 57 | 31 | 2.2 | 14 | | | | |
| | | | | ples Collec ptember 17, | | | | | | | |
| MWl | 19 | 39 | NA | 4.9 | 4.1 | 1.2 | 5.9 | | | | |
| MW2 | 56 | 74 | NA | 10 | 11 | 1.4 | 8.1 | | | | |
| мwз | 140 | 180 | NA | 47 | 25 | 2.6 | 15 | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

NA = Not Analyzed.

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS (Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | | |
|---------------------------------------|-------|-------|-----------|------------------------------|-----------|-------------------|------------------|--|--|--|--|
| | | | | ples Collect Lugust 19, 1 | | | | | | | |
| MW1 | 47 | 48 | NA | 13 | 8.4 | 0.99 | 29 | | | | |
| MW2 | 19 | 69 | NA | 26 | 22 | 2.1 | 18 | | | | |
| мw3 | 150 | 170 | NA | 82 | 31 | 4.4 | 22 | | | | |
| Samples Collected On July 20, 1991 | | | | | | | | | | | |
| MW1 | 49 | 100 | NA | 11 | 14 | 2.3 | 17 | | | | |
| MW2 | 100 | 51 | NA | 9.9 | 7.7 | 1.2 | 7.5 | | | | |
| ммз | 270 | 450 | NA | 46 | 29 | 3.5 | 21 | | | | |
| | | | Sam On | ples Collec June 20, 19 | ted 91 | | | | | | |
| MW1 | 42 | 76 | NA | 4.7 | 7.1 | 1.5 | 9.8 | | | | |
| MW2 | 69 | 87 | NA | 8.1 | 8.4 | 1.1 | 8.9 | | | | |
| MW3 | 210 | 920 | NA | 39 | 49 | 13 | 69 | | | | |
| | | | | ples Collec May 17, 19 | | | | | | | |
| MW1 | 26 | 72 | NA | 7.7 | 9.9 | ND | 11 | | | | |
| MW2 | 33 | 62 | NA | 5.9 | 6.3 | 1.2 | 9.0 | | | | |
| ммз | 70 | 170 | NA | 32 | 22 | 2.2 | 18 | | | | |
| | | | | ples Collec April 15, 1 | | | | | | | |
| MW1 | NA | 56 | NA | 6.5 | 8.5 | 0.41 | 9.9 | | | | |
| MW2 | NA | 82 | NA | 5.3 | 7.4 | 1.0 | 9.4 | | | | |
| WW3 | NA | 110 | NA | 31 | 15 | 0.88 | 7.4 | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

NA = Not Analyzed.

ND = Not Detected.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
(Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes | | | | |
|---|-------|-------|------|------------------------------|---------|-------------------|------------------|--|--|--|--|
| | | | | ples Collec March 21, 1 | | | | | | | |
| MW1 | NA | 36 | NA | 4.5 | 5.7 | 0.087 | 7.3 | | | | |
| MW2 | NA | 62 | NA | 9.3 | 11 | 0.35 | 9.7 | | | | |
| MW3 | NA | 87 | NA | 30 | 14 | 0.69 | 5.4 | | | | |
| Samples Collected On February 15, 1991 | | | | | | | | | | | |
| MW1 | NA | 120 | NA | 7.4 | 6.6 | ND | 13 | | | | |
| MW2 | NA | 200 | NA | 12 | 12 | 1.7 | 14 | | | | |
| MW3 | NA | 230 | NA | 44 | 40 | ND | 31 | | | | |
| | | | | ples Collec anuary 14, | | | | | | | |
| MW1 | NA | 33 | NA | 3.9 | 2.9 | 0.21 | 5.3 | | | | |
| MW2 | NA | 78 | NA | 11 | 8.7 | 0.58 | 8.0 | | | | |
| MW3 | NA | 160 | NA | 48 | 25 | 1.0 | 16 | | | | |
| | | | | mples Collec eptember 27, | | | | | | | |
| MW1 | NA | 28 | NA | 3.7 | 3.5 | 0.01 | 6.5 | | | | |
| MW2 | NA | 59 | NA | 8.4 | 12 | 0.88 | 9.0 | | | | |
| MM3 | NA | 25 | NA | 7.2 | 6.4 | 0.42 | 3.4 | | | | |
| | | | | mples Collec August 23, 1 | | | | | | | |
| MW1 | NA | 40 | NA | 5.1 | 4.9 | 0.35 | 6.0 | | | | |
| MW2 | NA | 96 | NA | 8.1 | 8.4 | 1.5 | 8.6 | | | | |
| MW3 | NA | 220 | NA | 67 | 46 | 27 | 18 | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

ND = Not Detected.

NA = Not Analyzed.

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS (Continued)

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl- benzene | Total Xylenes |
|-------------|-------|-------|---------------------|----------------------------|-------------|-------------------|------------------|
| | | | Sa m j On | les Collect July 20, 19 | teđ 90 | | |
| MW1 | 44 | АИ | NA | 5.1 | 4.2 | ND | 9.1 |
| MW2 | 86 | NA | NA | 9.1 | 14 | 0.94 | 13 |
| MW3 | 88 | NA | NA | 25.1 | 21.1 | 0.61 | 14.1 |
| | | | | ples Collec March 19, 1 | | | |
| MW1 | NA | 40 | NA | 3.7 | 1.1 | ND | 3.3 |
| MW2 | NA | 50 | NA | 7.7 | 8.7 | 0.075 | 5.6 |
| MW3 | NA | 210 | NA | 38 | 28 | 1.8 | 12 |
| | | | Sam On Fe | ples Collec bruary 20, | ted 1990 | | |
| MW1+++ | NA | 7.6 | NA | 1.6 | ND | ND | 1.3 |
| MW2+++ | NA | 38 | NA | 7.3 | 3.1 | 0.075 | 6.8 |
| MW3+++ | NA | 46 | NA | 20 | 15 | 1.8 | 9.7 |

TPH-G = Total Petroleum Hydrocarbons as Gasoline. TPH-D = Total Petroleum Hydrocarbons as Diesel.

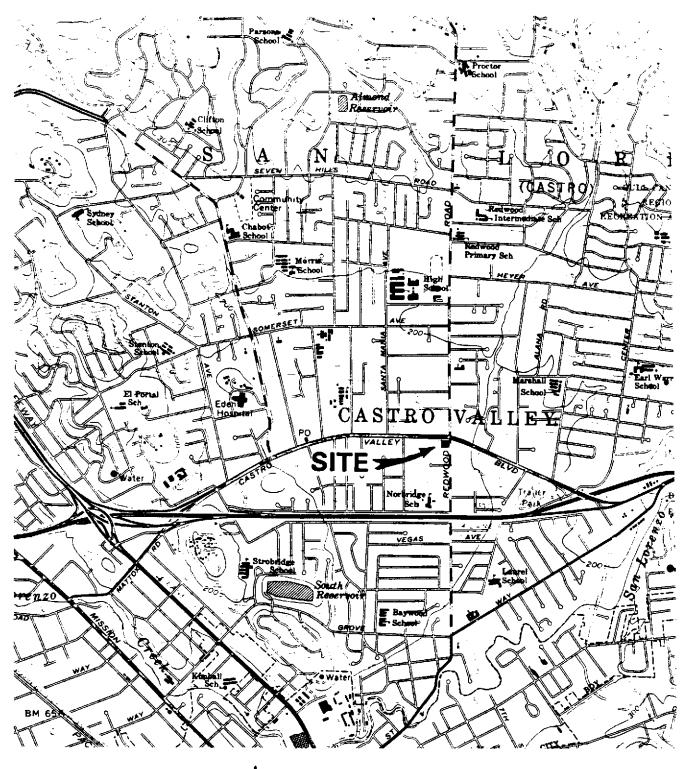
ND = Not Detected.

NA = Not Analyzed.

+++ Indicates Organic Lead was not detected.
Results in parts per million (ppm), unless otherwise indicated.

P & D Environmental

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



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

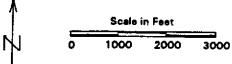
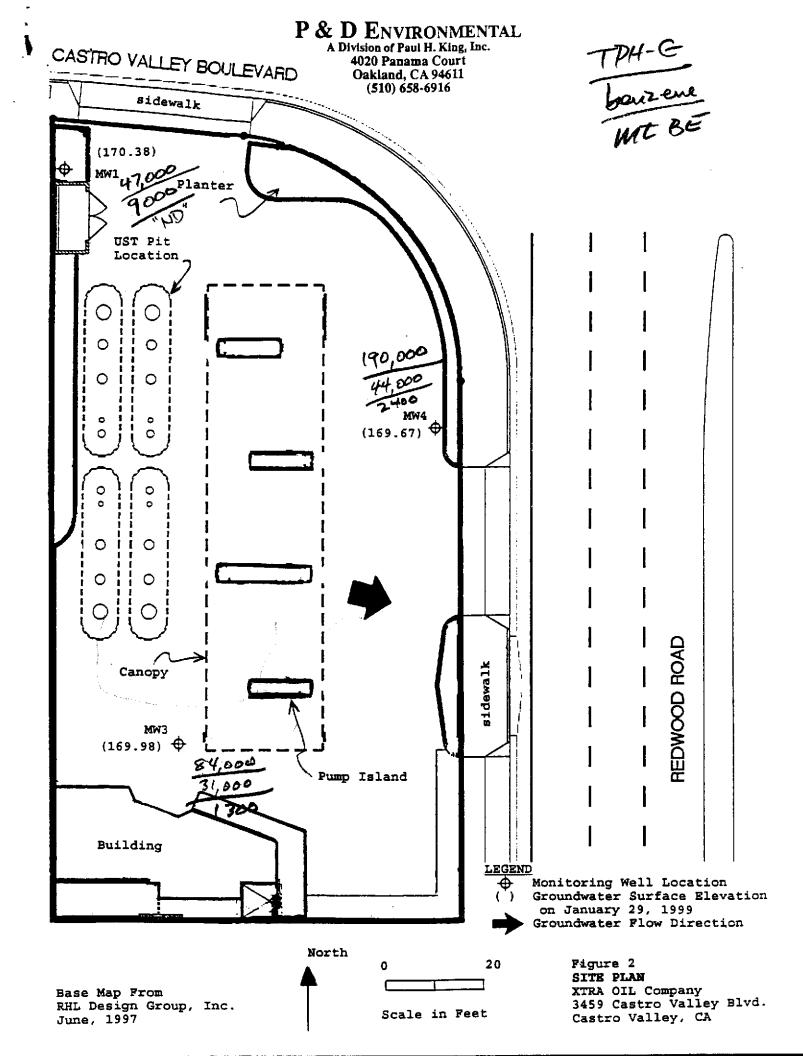


Figure 1
SITE LOCATION MAP
XTRA OIL Company
3495 Castro Valley Blvd.
Alameda, California



17.8.0,046

P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING DATA SHEET

54

8.24.78

| Site Name | RS UIL - CASTR | Villey | Well No. | MWI |
|--|----------------------|-----------------------|-------------|----------------------|
| Job No. Jo | 14 | | Date 1/2 | |
| TOC to Water | (ft.) 6.99 | | Sheen | Zuk |
| Well Depth | (ft.) 20.2 | | | duct Thickness |
| Well Diamete | er 1 64 4 | "IP | Sample C | ollection Method |
| Gal./Casing | vol. 8.75 412 | | TEFLU: | N BAILER |
| | 2 = 24.75 | | | ELECTRICAL |
| SHE SUD | GAL. PURGED | <u>pH</u> | TEMPERATURE | conductivity 9 49 |
| <u>>248</u>). U | 2.5 | 8.65 R.10 | 64.5 | 11.67 |
| | 5 | 7.68.00 | 65.2 | 12.11 |
| 3:45 | 7.5 | 6.97 | 65.2 | 11,63 |
| · | 10 10 | 1.82 | 65.7 | H-38.11.78 |
| | 12.5 | 286 | 66.1 | 11.79 |
| 55 | WELL ROTTER | resolution | | |
| | 15. | 7.55 | 67.9 | 12.06 |
| | 17.5 | 7.66 | 67.6 | 11.78 |
| | 20 | 7.69 | 68.5 | 17.65 |
| 3:5S | 20 | WELL DE | WATERED | |
| 3/429 | Sample | | | |
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| | TORING/WELL PURGING A SHEET | ·5 (I |
| e Name XTRL OIL GSTG Valley | Well No | MUR , Et 6 |
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| to Water (ft.) | Sheen | 18 |
| 1 Depth (ft.) 4" | Free Prod | act Thickness |
| 1 Diameter 4" | | llection Method |
| ./Casing Vol. 769 | TEFLEN | 第14c |
| 2=27-5 gres | | ELECTRICAL |
| E GAL. PURGED DH | TEMPERATURE | CONDUCTIVITY |
| 45 I 8.21 | 64.+ | 17.00 |
| 7.85 | 65.7 | 15.28 |
| 7.77 | 66 D | 15.36 |
| $\frac{3}{55}$ $\frac{3}{75}$ $\frac{7}{582}$ | | 15: 242 |
| $\frac{4.67}{1.67}$ | · | 15 28 |
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P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING

| Site Name YTEA OIL . GATES | DATA SHE | | · MWY |
|----------------------------|-------------|---------------------------------------|-----------------|
| Site Name THA VIL. (1575) | aciej. | Well No | 1 |
| Job No. 0614 | _ | Date | <u> </u> |
| TOC to Water (ft.) 6.68 | _ | Sheen //- | Ji. |
| Well Depth (ft.) | _ | Free Produc | ct Thickness |
| Well Diameter 2" | _ | - | lection Method |
| Gal./Casing Vol. 2.17 | _ | TEFION F | Aliel- |
| 2.6.51 | | | ELECTRICAL |
| TIME GAL. PURGED | <u>Hq</u> | TEMPERATURE | CONDUCTIVITY |
| 5:45 | 8.16 | 60.1 | 17.19 |
| 7. | 7.73 | 64+ | 12.95 |
| 3 | 7.63 | 654 | 12.62 |
| 4 | 7.80 | 66 P | 12.70 |
| | 7.60 | 66.5 | 12.58 |
| | 7.072 | 65.3 | 12.37 |
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| 5.55 SAMPLE | | | |
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110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone: 925-798-1620 Fax: 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

| P&D Environmental | Client Project ID: #0014; Xtra Oil- | Date Sampled:01/29/99 Date Received: 02/01/99 | |
|-------------------|-------------------------------------|--|--|
| 4020 Panama Court | Castro Valley | | |
| Oakland, CA 94611 | Client Contact: Paul King | Date Extracted: 02/01-02/03/99 | |
| | Client P.O: | Date Analyzed: 02/01-02/03/99 | |

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 (CCFID(S030))

| Lab ID | Client ID | Matrix | TPH(g)* | MTBE | Beprenc | Toluene | Ethylben- zenc | Xylenes | % Recovery Surrogate |
|-----------|---|--------|-------------|--------|----------|---------|-------------------|---------|----------------------|
| 02601 | MW1 | w | 47,000,a,h | ND<900 | 9000 | 2900 | 1900 | 8000 | 105 |
| 02602 | MW3 | w | 84,000,a,h | 1300 | 31,000 | 2800 | 1800 | 12,000 | 107 |
| 02603 | MW4 | w | 190,000,a,h | 2400 | 44,000 | 40,000 | 3100 | 17,000 | 106 |
| | | | | | | | | | |
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| | | | | · . | <u>.</u> | | | | <u></u> , |
| otherwise | Limit unless stated; ND at detected | w | 50 ug/L | 5.0 | 0.5 | 0.5 | 0.5 | 0.5 | |
| above the | nt detected e reporting mit | s | I.0 mg/kg | 0.05 | 0.005 | 0.005 | 0.005 | 0.005 | |

^{*} 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

f 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 Second Avenue South, #D7, Pacheco, CA 94553
Telephone: 925-798-1620 Fax: 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

| P&D Environmental 4020 Panama Court Oakland, CA 94611 | | Client Project I Castro Valley | D: #0014; Xtra Oil- | Date Sampled:0 | Date Sampled:01/29/99 | | |
|--|---------------------------------------|--|--|---------------------------------------|-------------------------------|--|--|
| | | Castro Valley | | Date Received: | Date Received: 02/01/99 | | |
| | | Client Contact: | Paul King | Date Extracted: | Date Extracted: 02/01/99 | | |
| | | Client P.O: | , | Date Analyzed | Date Analyzed: 02/01-02/02/99 | | |
| PA methods me | Diesel Roddified 8015, and 3550 of | ange (C10-C23) E or 3510; California RW | xtractable Hydrocarbo QCB (SF Bay Region) metho | ons as Diesel * d GCFID(3550) or GCFI | D(3510) | | |
| Lub ID | Client ID | Matrix | TPH(d)* | | % Recovery Surrogate | | |
| 02601 | MWI | w | 9100,d,b,h | | 98 | | |
| 02602 | MW3 | W | 240,000,6,d, |) | 89 | | |
| 02603 | MW4 | w | 7300,d,b,h | | 97 | | |
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| | | | | | <u> </u> | | |
| Reporting Limit unless otherwise stated; ND means not detected above the reporting limit | | w | 50 ug/L | | | | |
| | | S | 1.0 mg/kg | | | | |

^{*} water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and studge samples in ug/kg, and all TCLP/STLC/SPLP extracts in ug/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

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 diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.

P & D Environmental

A Division of Paut H. King, Inc. 4020 Panama Court Oakiand, CA 94611 (510) 658-6916 13843

CHAIN OF CUSTODY RECORD

OF ____ PROJECT NUMBER: PROJECT NAME: (1)XDJ 4 SAMPLED BY: (PRINTED AND SIGNATURE) REMARKS BROWN SAMPLE NUMBER DATE TIME TYPE SAMPLE LOCATION 100 NORAL THEN AROUND MWI WHIGH MONTORING WELL MW3 MW 4 ONSTORDIMENTS OTHER PRESERVATION HELINGUISHED BY: (SIGNATURE) TOTAL HEL OF SAMPLES (THEMPORE SHE) RECEIVED BY: (SYCHATURE) LABORATORY: DATE TIME TOTAL NO. OF CONTAINERS (THE SETTEDIT) ABLINDUSHED BY (SIGNATURE) DAJE TIME RECEIVED BY: (SIGNATURE) LABORATORY PHONE NUMBER: LABORATORY CONTACT: 1925 1798-11620 LIMILTON RELINQUISHED BY: (SIGNATURE) DATE RECEIVED FOR LABORATORY BY: SAMPLE ANALYSIS REQUEST SHEET THAE ATTACHED: ()YES (VINO (SIGNATURE) **REMARKS:**