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XTRA OIL COMPANY

November 3, 2000

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

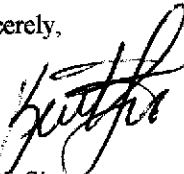
Regarding: 3495 Castsro Valley Blvd., Castro Valley

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

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Retail Fueling/Convenience Stores

P & D ENVIRONMENTAL

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

October 5, 2000
Report 0014.R36

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 020599.P1 dated February 5, 1999. As a part of this work, monitoring well MW3 was monitored and sampled on July 26, 2000, and the sample analyzed for fuel oxygenates. All three wells were monitored and wells MW1 and MW3 were sampled on September 18, 2000. The reporting period for this report is for July through September 2000. 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

At the request of Mr. Seery, monitoring well MW3 was monitored and sampled by P&D personnel on July 26, 2000 with the express purpose that the sample be analyzed for the oxygenated volatile organics, which include diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), methyl tert-butyl ether (MTBE), tert-amyl methyl ether (TAME), tert-butanol, methanol, ethanol, ethylene dibromide (EDB, or 1,2-DBA), and ethylene dichloride (EDC, or 1,2-PCA). No free product or sheen was observed in the well. The well was purged normally prior to sampling, in a manner described below; a copy of the purge data sheet, laboratory analytical report, and the chain of custody document are attached with this report.

On September 18, 2000, the three groundwater monitoring wells at the site (MW1, MW2 and MW4) were monitored and wells MW1 and MW3 were sampled by P&D personnel. Well MW2 was not sampled because of the presence of separate phase hydrocarbons in the well. A joint groundwater monitoring with Allisto Engineering, Inc. was 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 in wells MW1 and MW3. No free product or sheen was observed in monitoring wells MW1 and MW3 prior to purging. However, sheen was observed on purged water from wells MW1 and MW3 after purging the wells. A petroleum-absorbent sock was present in monitoring well MW1.

A passive hydrocarbon collection device was present in well MW4. The collection device was observed to be empty, but approximately 100 gallons of free product was measured in the well using gas floating and water blocking tests on a steel tape. Field measurements indicated that the device was hanging too high in the well to collect free product. The device's height was subsequently adjusted to allow the collection of free product. Depth to water level measurements are presented in Table 1.

FP = 0.45'

Prior to sampling, monitoring wells MW1 and MW3 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 purged dry and partially recovered, water samples were collected using a clean Teflon bailer. Well MW4 was not purged or sampled because of the presence of free product.

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 all of the wells once during the monitoring period. The measured depth to water at the site in wells MW1, MW3 and MW4 on September 18, 2000 was 8.56, 7.83, and 8.50 feet, respectively. Groundwater levels have decreased in wells MW1, MW3, and MW4 by 0.59, 0.33, and 0.82 feet, respectively, since the previous monitoring on June 8, 2000.

Based on the measured depth to groundwater in the groundwater monitoring wells, the apparent groundwater flow direction at the site on September 18, 2000 was calculated to be to the east with a gradient of 0.008. The groundwater flow direction has shifted toward the east and the gradient has increased since the previous monitoring.

LABORATORY RESULTS

The groundwater sample collected from monitoring well MW3 on July 26, 2000 was analyzed for DIPE, ETBE, MTBE, TAME, tert-butanol, methanol, ethanol, EDB, and EDC by Modified EPA Method 8260.

The groundwater samples collected from monitoring wells MW1 and MW3 on September 18, 2000 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 well MW3 on July 26, 2000 show that none of the analytes were detected except for MTBE at 21 ppm and tert-butanol at 19 ppm.

The laboratory analytical results for the groundwater samples from wells MW1 and MW3 show TPH-G concentrations of 86 and 130 ppm, respectively; benzene concentrations of 7.2 and 39 ppm, respectively; and TPH-D concentrations of 15 and 43 ppm, respectively. MTBE was detected at a concentration of 33 ppm in well MW3, and was not detected in well MW1. Review of the laboratory analytical reports indicates that the TPH-D results for MW1 and MW3 consist of both diesel- and gasoline-range compounds.

Since the previous sampling on June 8, 2000, TPH-G concentrations have increased in well MW1 and have not changed in well MW3; TPH-D concentrations increased in well MW1 and decreased in well MW3; MTBE concentrations have remained not-detected in well MW1, and have increased in MW3; and benzene concentrations have increased in well MW1 and decreased 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.

MTBE =
26200 ug/l

DISCUSSION AND RECOMMENDATIONS

Well MW3 was sampled on July 26, 2000 and the sample analyzed for fuel oxygenates by Modified EPA Method 8260. None of the fuel oxygenates were detected except for MTBE at 21 ppm and tert-butanol at 19 ppm.

The three wells at the site were monitored and sampled once during the quarter. A separate phase petroleum hydrocarbon collection device was present in well MW4, and a layer of separate phase petroleum hydrocarbons measuring 0.45 feet thick was observed in the well. The collection device was adjusted to allow the collection of the separate phase hydrocarbons. Based on the presence of the petroleum hydrocarbons in well MW4, the well was not sampled. It is P&D's understanding that collection device is maintained by XTRA OIL Company personnel. P&D recommends that a log be maintained of product removed.

P&D recommends that use of absorbent socks in well MW1 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.

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

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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.

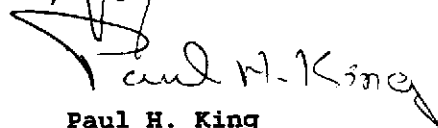
Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental



Greg Brown
Project Scientist



Paul H. King

Paul H. King
California Registered Geologist
Registration No. : 5901
Expires: 12/31/01

Attachments: Tables 1 & 2
 Site Location Map (Figure 1)
 Site Plan (Figure 2)
 Field Parameter Forms
 Laboratory Analytical Results
 Chain of Custody Documentation

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TABLE 1
WELL MONITORING DATA

| Well No. | Date Monitored | Top of Casing Elev. (ft.) | Depth to Water (ft.) | Water Table Elev. (ft.) | |
|----------|----------------|---------------------------|--|-------------------------|--------|
| MW1 | 9/18/00 | 177.37* | 8.56 | 168.81 | |
| | 6/08/00 | | 7.97 | 169.40 | |
| | 3/09/00 | | 6.68 | 170.69 | |
| | 12/09/99 | | 8.15 | 169.22 | |
| | 8/31/99 | | 8.36 | 169.01 | |
| | 4/29/99 | | 7.68 | 169.69 | |
| | 1/29/99 | | 6.99 | 170.38 | |
| | 4/26/98 | | 7.50 | 169.87 | |
| | 1/24/98 | | 6.61 | 170.76 | |
| | 11/06/97 | | 8.79 | 168.58 | |
| | 8/26/97 | 177.43** | 8.51 | 168.86 | |
| | 7/24/97 | | 8.71 | 168.72 | |
| | 4/25/97 | | 7.98 | 169.45 | |
| | 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 | | 8.59 | 167.14 | |
| | 1/14/92 | 175.73 | 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 MEASURED (DESTROYED ON 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 | | | |

NOTES:

- * = Surveyed on August 20, 1997
- ** = Surveyed on March 24, 1993
- *** = Surveyed on December 5, 1992

TABLE 1
WELL MONITORING DATA
(Continued)

| Well No. | Date Monitored | Top of Casing Elev. (ft.) | Depth to Water (ft.) | Water Table Elev. (ft.) |
|----------|----------------|---------------------------|----------------------|-------------------------|
| MW2 | 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 |
| | 2/23/93 | | 6.39 | 169.65 |
| | 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 | 9/18/00 | 176.40* | 7.83 |
| 9/26/00 | | | 7.77 | 168.63 |
| 6/08/00 | | | 7.50 | 168.90 |
| 3/09/00 | | | 6.08 | 170.32 |
| 12/09/99 | | | 7.90 | 168.50 |
| 8/31/99 | | | 7.95 | 168.45 |
| 4/29/99 | | | 7.09 | 169.31 |
| 1/29/99 | | | 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 |
| 4/23/96 | | | 6.81 | 169.60 |
| 2/07/96 | | | 5.05 | 170.36 |
| 1/29/96 | | 5.77 | 170.64 | |

NOTES:

- * = Surveyed on August 20, 1997
- ** = Surveyed on March 24, 1993
- *** = Surveyed on December 5, 1992

TABLE 1
WELL MONITORING DATA
(Continued)

| Well No. | Date Monitored | Top of Casing Elev. (ft.) | Depth to Water (ft.) | Water Table Elev. (ft.) |
|----------|----------------|-----------------------------|----------------------|-------------------------|
| MW3 | 10/26/95 | | 7.72 | 168.69 |
| | 7/28/95 | | 7.80 | 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 | 9/18/00 | 176.35* | 8.50 (0.45)# | 168.19 |
| | 6/08/00 | | 7.34 | 169.01 |
| | 3/09/00 | | 6.61 (0.46)# | 170.08 |
| | 12/09/99 | | 8.80 | 167.55 |
| | 8/31/99 | | 8.28 | 168.07 |
| | 4/29/99 | | 7.14 | 169.21 |
| | 1/29/99 | | 6.68 | 169.67 |
| | 4/26/98 | | 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 development) | | |

NOTES:

* = Surveyed on August 20, 1997

** = Surveyed on March 24, 1993

*** = Surveyed on December 5, 1992

= Indicates free product thickness in feet. The water table elevation has been corrected for the presence of free product by assuming a free product specific gravity of 0.75.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS

| Well No. | TPH-D | TPH-G | MTBE | Benzene | Toluene | Ethyl-benzene | Total Xylenes |
|--|---|-------|------|---------|---------|---------------|---------------|
| Samples Collected on September 18, 2000 | | | | | | | |
| MW1@,+ | 15 | 86 | ND | 7.2 | 2 | 3.2 | 13 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3@,+ | 43 | 130 | 33 | 39 | 91 | 2.3 | 14 |
| MW4 | Not Sampled (Free Product Present in Well) | | | | | | |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on July 26, 2000 | | | | | | | |
| MW1 | Not Sampled | | | | | | |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3@@ | NA | NA | 21 | NA | NA | NA | NA |
| MW4 | Not Sampled | | | | | | |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on June 8, 2000 | | | | | | | |
| MW1@,++ | 6.5 | 50 | ND | 5.7 | 1.5 | 1.8 | 7 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3@,+ | 74 | 130 | 23 | 41 | 16 | 1.9 | 13 |
| MW4 | Not Sampled (Free Product Present in Well) | | | | | | |
| EW1 | Not Sampled | | | | | | |

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

ND = Not Detected.

NA = Not Analyzed.

@ = Review of the laboratory analytical reports indicates that both the TPH-D and the TPH-G results indicate the presence of a lighter than water immiscible sheen.

@@ = Review of the laboratory analytical reports indicate that the oxygenated volatile organic compounds (including DIPE, ETBE, TAME, methanol, ethanol, EDB, and 1,2-DCA) were not detected except for MTBE at 21 ppm and tert-butanol at 19 ppm.

+ = 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 March 9, 2000 | | | | | | | |
| MW1+ | 7.4 | 48 | ND | 5.3 | 3.1 | 1.6 | 8.1 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+,@ | 14 | 180 | 24 | 39 | 22 | 2.5 | 16 |
| MW4+,@ | 2,100 | 130 | 6.9 | 35 | 13 | 2.1 | 11 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on December 9, 1999 | | | | | | | |
| MW1+,@ | 12 | 65 | ND | 9.3 | 2.9 | 2.2 | 8.8 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+,@ | 17 | 120 | 16 | 35 | 6.7 | 2.4 | 12 |
| MW4+,@ | 9,000 | 120 | 8.1 | 33 | 6 | 2.4 | 12 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on August 31, 1999 | | | | | | | |
| MW1+ | 22 | 66 | 0.71 | 8.7 | 2.7 | 2.4 | 10 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+ | 22 | 120 | 4.7 | 35 | 3.7 | 2.4 | 14 |
| MW4+ | 9.4 | 190 | 4.4 | 46 | 30 | 2.8 | 15 |
| EW1 | Not Sampled | | | | | | |

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 both the TPH-D and the TPH-G results indicate the presence of a lighter than water immiscible sheen.

+ = Review of the laboratory analytical reports indicates that the TPH-D results consist of both diesel-range and 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 April 29, 1999 | | | | | | | |
| MW1+ | 22 | 48 | ND | 8.4 | 2.8 | 2.0 | 8.1 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+ | 48 | 100 | 2.5 | 33 | 8.0 | 2.1 | 14 |
| MW4+ | 9.4 | 210 | 3.2 | 42 | 35 | 2.8 | 15 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on January 29, 1999 | | | | | | | |
| MW1+ | 9.1 | 47 | ND | 9.0 | 2.9 | 1.9 | 8.0 |
| MW2 | Not Sampled (Destroyed on 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 Sampled | | | | | | |
| Samples Collected on April 26, 1998 | | | | | | | |
| MW1++ | 7.8 | 60 | ND | 9.3 | 5.7 | 2.1 | 9.1 |
| MW2 | Not Sampled (Destroyed on 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 Sampled | | | | | | |

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 Xylenes |
|--|---|-------|------|---------|---------|---------------|---------------|
| Samples Collected on January 24, 1998 | | | | | | | |
| MW1+ | 24 | 57 | ND | 6.9 | 5.5 | 2.0 | 8.7 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+ | 77 | 97 | ND | 28 | 7.1 | 1.8 | 11 |
| MW4+ | 20 | 200 | ND | 50 | 40 | 3.1 | 17 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on November 6, 1997 | | | | | | | |
| MW1++ | 17 | 63 | ND | 7.4 | 6.7 | 2.3 | 9.9 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+ | 120 | 140 | ND | 37 | 19 | 2.4 | 14 |
| MW4+ | 110 | 160 | ND | 48 | 30 | 2.8 | 16 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on August 26, 1997 | | | | | | | |
| MW1 | Not Sampled | | | | | | |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3 | Not Sampled | | | | | | |
| MW4+ | 5.5 | 210 | 1.7 | 48 | 42 | 3.4 | 19 |
| EW1 | Not Sampled | | | | | | |

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 Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3++ | 91 | 120 | 1.4 | 33 | 17 | 2.2 | 12 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on April 25, 1997 | | | | | | | |
| MW1+ | 170 | 77 | ND | 7.4 | 7.9 | 2.1 | 9.8 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3+ | 760 | 240 | 1.6 | 24 | 18 | 4.1 | 24 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on January 21, 1997 | | | | | | | |
| MW1++ | 57 | 80 | 0.25 | 7.8 | 8.3 | 1.9 | 8.9 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3++ | 34 | 150 | 1.30 | 40 | 14 | 2.6 | 12 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on July 26, 1996 | | | | | | | |
| MW1++ | 11 | 76 | ND | 11 | 13 | 2.4 | 10 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3++ | 24 | 130 | 0.89 | 40 | 22 | 2.4 | 12 |
| EW1 | Not Sampled | | | | | | |

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 | Ethylbenzene | Total Xylenes |
|---------------------------------------|---|-------|--------|---------|---------|--------------|---------------|
| Samples Collected on April 23, 1996 | | | | | | | |
| MW1++ | 5.7 | 73 | ND | 8.6 | 12 | 2.2 | 9.8 |
| MW2 | Not Sampled (Destroyed on February 7, 1996) | | | | | | |
| MW3++ | 280 | 170 | 0.72 | 34 | 22 | 2.2 | 14 |
| EW1 | Not Sampled | | | | | | |
| Samples Collected on January 29, 1996 | | | | | | | |
| 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 Sampled | | | | | | |
| Samples Collected on October 26, 1995 | | | | | | | |
| MW1++ | 62 | 89 | ND | 7.8 | 12 | 2.4 | 11 |
| MW2 | 900 | 74 | ND | 2.9 | 5.9 | 2.0 | 10 |
| MW3 | 33 | 130 | 0.69 | 37 | 21 | 0.21 | 11 |
| EW1 | Not Sampled. | | | | | | |
| Samples Collected on July 28, 1995 | | | | | | | |
| 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 Sampled. | | | | | | |

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 Xylenes |
|---|--------------|-------|------|---------|---------|---------------|---------------|
| 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 Sampled. | | | | | | |
| Samples Collected on November 18, 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 Sampled. | | | | | | |
| Samples Collected on August 22, 1994 | | | | | | | |
| 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 Sampled. | | | | | | |

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.

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 | Ethylbenzene | 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 |
| MW3 | 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 Sampled. | | | | | | |
| Samples Collected on November 24, 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 Sampled. | | | | | | |
| Samples Collected on August 30, 1993 | | | | | | | |
| MW1 | 9.4 | 77 | NA | 6.4 | 11 | 2.2 | 12 |
| MW2 | 110 | 110 | NA | 11 | 14 | 1.8 | 11 |
| MW3 | 32 | 130 | NA | 36 | 21 | 1.9 | 8.2 |
| EW1 | Not Sampled. | | | | | | |

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 | 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 |
| Samples Collected on November 13, 1992 | | | | | | | |
| MW1 | 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.

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 January 14, 1992 | | | | | | | |
| MW1 | 19 | 39 | NA | 7.3 | 8.7 | 1.3 | 8.9 |
| MW2 | 1600 | 59 | NA | 17 | 14 | 1.8 | 15 |
| MW3 | 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 |
| Samples Collected On November 25, 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 |
| Samples Collected On October 10, 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 |
| Samples Collected On September 17, 1991 | | | | | | | |
| MW1 | 19 | 39 | NA | 4.9 | 4.1 | 1.2 | 5.9 |
| MW2 | 56 | 74 | NA | 10 | 11 | 1.4 | 8.1 |
| MW3 | 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.

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 August 19, 1991 | | | | | | | |
| MW1 | 47 | 48 | NA | 13 | 8.4 | 0.99 | 29 |
| MW2 | 19 | 69 | NA | 26 | 22 | 2.1 | 18 |
| MW3 | 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 |
| MW3 | 270 | 450 | NA | 46 | 29 | 3.5 | 21 |
| Samples Collected On June 20, 1991 | | | | | | | |
| 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 |
| Samples Collected On May 17, 1991 | | | | | | | |
| MW1 | 26 | 72 | NA | 7.7 | 9.9 | ND | 11 |
| MW2 | 33 | 62 | NA | 5.9 | 6.3 | 1.2 | 9.0 |
| MW3 | 70 | 170 | NA | 32 | 22 | 2.2 | 18 |
| Samples Collected On April 15, 1991 | | | | | | | |
| MW1 | NA | 56 | NA | 6.5 | 8.5 | 0.41 | 9.9 |
| MW2 | NA | 82 | NA | 5.3 | 7.4 | 1.0 | 9.4 |
| MW3 | 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.

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 | Ethylbenzene | Total Xylenes |
|--|-------|-------|------|---------|---------|--------------|---------------|
| Samples Collected On March 21, 1991 | | | | | | | |
| 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 |
| Samples Collected On January 14, 1991 | | | | | | | |
| 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 |
| Samples Collected On September 27, 1990 | | | | | | | |
| MW1 | NA | 28 | NA | 3.7 | 3.5 | 0.01 | 6.5 |
| MW2 | NA | 59 | NA | 8.4 | 12 | 0.88 | 9.0 |
| MW3 | NA | 25 | NA | 7.2 | 6.4 | 0.42 | 3.4 |
| Samples Collected On August 23, 1990 | | | | | | | |
| 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.

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 20, 1990 | | | | | | | |
| MW1 | 44 | NA | 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 |
| Samples Collected On March 19, 1990 | | | | | | | |
| 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 |
| Samples Collected On February 20, 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 |

NOTES:

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.

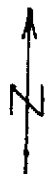
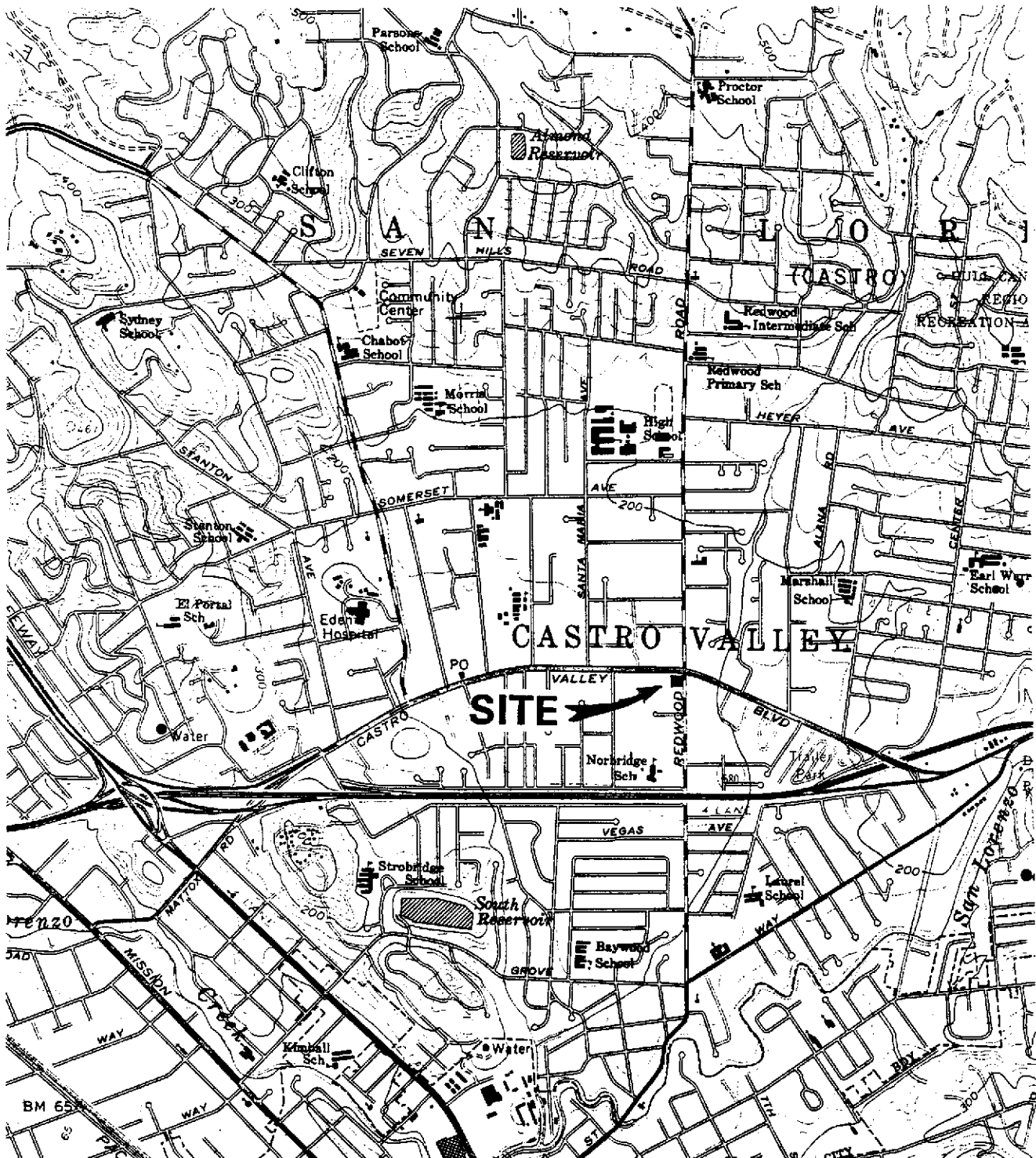
P & D ENVIRONMENTAL

A Division of Paul H. King, Inc.

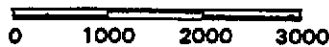
4020 Panama Court

Oakland, CA 94611

(510) 658-6916



Scale in Feet



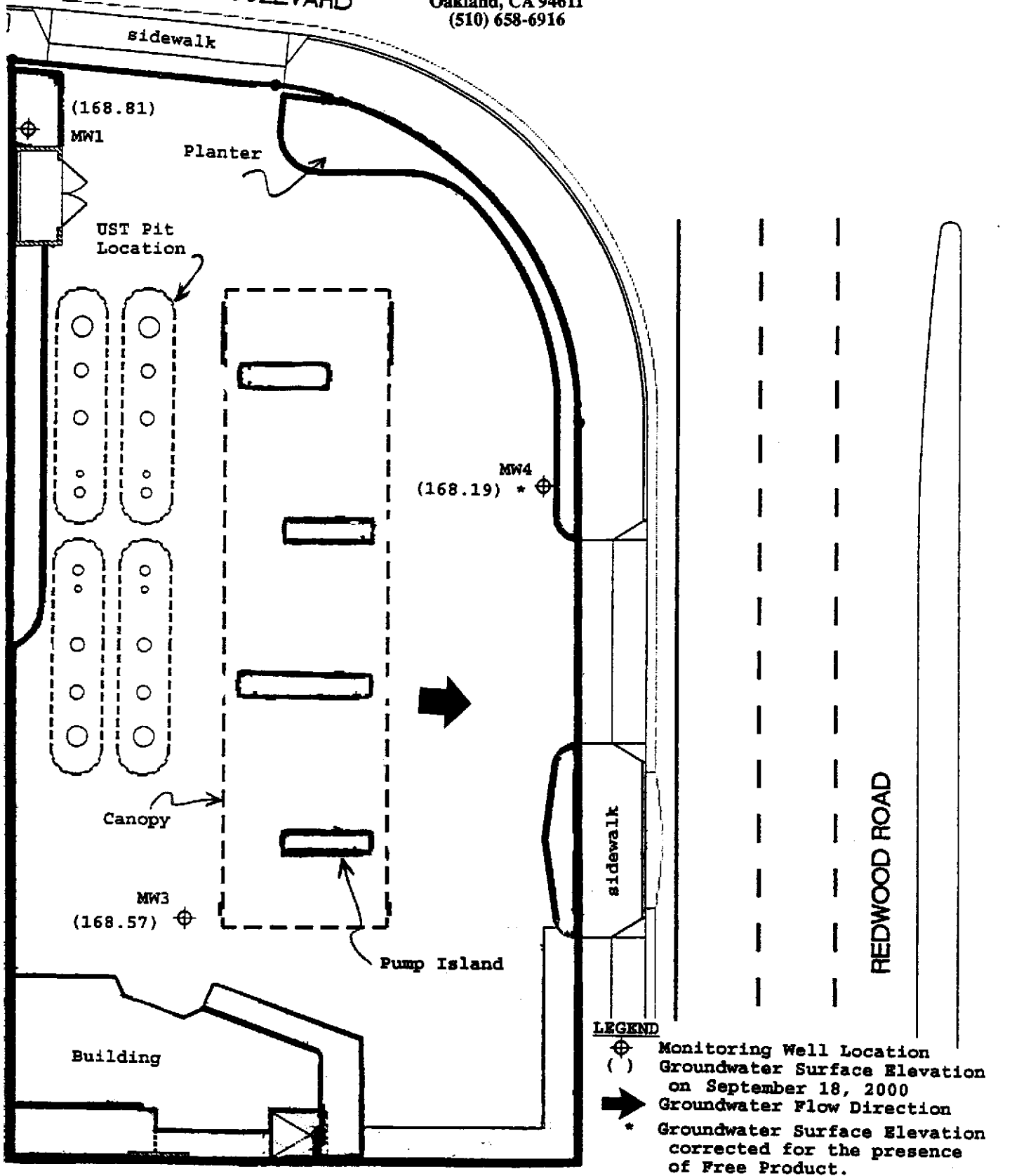
Base Map from:
U.S. Geological Survey
Hayward, Calif.
7.5 Minute Quadrangle
Photorevised 1980

Figure 1
SITE LOCATION MAP
XTRA OIL Company
3195 Castro Valley Blvd.
Alameda, California

P & D ENVIRONMENTAL

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

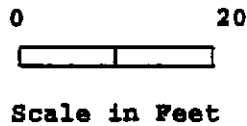
CASTRO VALLEY BOULEVARD



LEGEND

- ⊕ Monitoring Well Location
- () Groundwater Surface Elevation on September 18, 2000
- ➔ Groundwater Flow Direction
- *
- * Groundwater Surface Elevation corrected for the presence of Free Product.

North



Base Map From
RHL Design Group, Inc.
June, 1997

Figure 2
SITE PLAN
XTRA OIL Company
3459 Castro Valley Blvd.
Castro Valley, CA

MTBE sampling

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name XTRA OIL - CASITAS VALLEY
Job No. 0014
TOC to Water (ft.) 7.77'
Well Depth (ft.) 18.65
Well Diameter 4"
Gal./Casing Vol. 7.1, Σ ≈ 22.5

Well No. MWB
Date 7/26/00
Sheen _____
Free Product Thickness Ø
Sample Collection Method _____
TEFLON BOTTLE

} 10.88' of H₂O

| TIME | GAL. PURGED | pH | TEMPERATURE | ELECTRICAL CONDUCTIVITY |
|---------|---------------------------|------|-------------|-------------------------|
| 10:52 A | 1 | 8.28 | 71.7 | 17.00 |
| | 2.5 | 7.67 | 70.4 | 17.80 |
| | 7.5 | 6.62 | 71.8 | 17.59 |
| | 10 | 6.55 | 74.82 | 17.68 |
| | 12.5 | 6.70 | 70.9 | 16.31 |
| 11:04 A | - WELL DE-WATERED; SAMPLE | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

NOTES: GMB - PURGE WATER IS CLOUDY + ^{WHITE} FOAMY; ~~THAT~~ SOME SAND (~ 1/20TH INCH Ø) COMES OUT w/ WATER. FAINT PEROXYDUM PURGE 10.92 HYDROCARBON odor on PURGE WATER.

**P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET**

Site Name XTRA OIL - ASTRA
 Job No. 0014
 TOC to Water (ft.) 8.56
 Well Depth (ft.) 30.00
 Well Diameter 2"
 Gal./Casing Vol. 7.5, 22.9

Well No. MW1
 Date 9/18/00
 Sheen YES (SAMPLES)
 Free Product Thickness 0
 Sample Collection Method TETRAON BAKER

| <u>TIME</u> | <u>GAL. PURGED</u> | <u>pH</u> | <u>TEMPERATURE</u> | <u>ELECTRICAL CONDUCTIVITY</u> |
|-------------|--------------------|-------------|--------------------|--------------------------------|
| <u>1:13</u> | <u>1</u> | <u>8.97</u> | <u>87.7</u> | <u>1.29</u> |
| <u>1:14</u> | <u>4</u> | <u>8.28</u> | <u>76.9</u> | <u>1.29</u> |
| <u>1:15</u> | <u>5</u> | <u>7.87</u> | <u>75.9</u> | <u>1.28</u> |
| <u>1:17</u> | <u>7.5</u> | <u>7.33</u> | <u>77.4</u> | <u>1.36</u> |
| <u>1:21</u> | <u>10</u> | <u>7.12</u> | <u>76.9</u> | <u>1.35</u> |
| <u>1:22</u> | <u>12.5</u> | <u>6.85</u> | <u>75.1</u> | <u>1.29</u> |
| | <u>15</u> | <u>6.79</u> | <u>76.0</u> | <u>1.35</u> |
| <u>1:30</u> | <u>16</u> | <u>6.69</u> | <u>83.6</u> | <u>1.44</u> |

1:31 WELL DE-WATERED - SAMPLE

NOTES: GMB - PAC - ABSORBENT SOCK IN WELL. INITIAL PURGE WATER IS RED + TURBID CLEARING (COLOR + TURBIDITY) QUICKLY.
PURGE 10.92 FROM PETROLEUM HYDROCARBON (PHC) OIL.

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name XTRA OIL - Corcoran Valley

Well No. MWB

Job No. 0014

Date 9/18/00

TOC to Water (ft.) 7.83

Sheen YES (SAMPLES)

Well Depth (ft.) 18.65

Free Product Thickness ∅

Well Diameter 4"

Sample Collection Method TEFLON BAILER

Gal./Casing Vol. ~7.5 Σ = 22.5

| TIME | GAL. PURGED | pH | TEMPERATURE | ELECTRICAL CONDUCTIVITY |
|----------------|--------------------------------|-------------|-------------|-------------------------|
| <u>2:34 pm</u> | <u>2.0</u> | <u>8.12</u> | <u>87.0</u> | <u>1.72</u> |
| <u>2:39</u> | <u>2.5</u> | <u>8.12</u> | <u>84.6</u> | <u>2.06</u> |
| <u>2:41</u> | <u>5</u> | <u>7.14</u> | <u>79.0</u> | <u>1.86</u> |
| <u>2:44</u> | <u>7.5</u> | <u>6.58</u> | <u>80.7</u> | <u>1.91</u> |
| | <u>10</u> | <u>6.51</u> | <u>79.0</u> | <u>1.90</u> |
| <u>2:50</u> | <u>12.5</u> | <u>6.19</u> | <u>84.9</u> | <u>2.10</u> |
| <u>2:53</u> | <u>WELL RE-WATERED, SAMPLE</u> | | | |
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NOTES: GMB - PURGE WATER STARTS OUT BROWN, QUICKLY BECOMES CLOUDY & WHITE.

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name ~~0014~~ XTRA OIL - Castro Valley

Well No. ~~0014~~ MW4

Job No. 0014

Date 9/8/00

inches or ft.?

TOC to Water (ft.) 8.50 (CONFIRMED
w/ELECTRICAL
WATER
LEVEL
INDICATOR)

Sheen _____

Well Depth (ft.) _____

Free Product Thickness 0.45" BY GAS FINDING PASTE

Well Diameter 2"

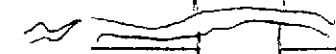
Sample Collection Method _____

Gal./Casing Vol. _____

| <u>TIME</u> | <u>GAL. PURGED</u> | <u>pH</u> | <u>TEMPERATURE</u> | <u>ELECTRICAL CONDUCTIVITY</u> |
|-------------|--------------------|-----------|--------------------|--------------------------------|
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MEASURING TAPE 9.00'

~~TOC~~ TOC



1.00'
0.95'
0.50'

GAS FINDING PASTE
" "

NOTES:

PURGE10.92



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 Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mcccampbell.com> E-mail: main@mcccampbell.com

| | | |
|---|--|--------------------------|
| P&D Environmental 4020 Panama Court Oakland, CA 94611 | Client Project ID: #0014; Xtra Oil-Castro Valley | Date Sampled: 07/26/00 |
| | | Date Received: 07/26/00 |
| | Client Contact: Greg Brown | Date Extracted: 07/31/00 |
| | Client P.O: | Date Analyzed: 07/31/00 |

Oxygenated Volatile Organics By GC/MS

EPA method 8260 modified

| Lab ID | 43797 | Reporting Limit | |
|--------------------------------|----------------|-----------------|------|
| Client ID | MW3 | | |
| Matrix | W | S | W |
| Compound | Concentration* | ug/kg | ug/L |
| Di-isopropyl Ether (DIPE) | ND<500 | 5.0 | 1.0 |
| Ethyl tert-Butyl Ether (ETBE) | ND<500 | 5.0 | 1.0 |
| Methyl-tert Butyl Ether (MTBE) | 21,000 ** | 5.0 | 1.0 |
| tert-Amyl Methyl Ether (TAME) | ND<500 | 5.0 | 1.0 |
| tert-Butanol | 19,000 | 25 | 5.0 |
| Methanol | ND<100,000 | 1000 | 200 |
| Ethanol | ND<25,000 | 250 | 50 |

Surrogate Recoveries (%)

| | |
|----------------------|-----|
| Dibromofluoromethane | 101 |
| Comments: | |

* water samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in ug/L
 ND means not detected above the reporting limit; N/A means surrogate not applicable to this analysis
 (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content



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| | | |
|---|--|--------------------------|
| P&D Environmental 4020 Panama Court Oakland, CA 94611 | Client Project ID: #0014; Xtra Oil- Castro Valley | Date Sampled: 07/26/00 |
| | Client Contact: Greg Brown | Date Received: 07/26/00 |
| | Client P.O: | Date Extracted: 07/26/00 |
| | | Date Analyzed: 07/31/00 |

Ethylene Dibromide (1,2-Dibromoethane) and 1,2-Dichloroethane (1,2-DCA)

EPA method 8260

| Lab ID | Client ID | Matrix | EDB ⁺ | 1,2-DCA ⁺ | % Recovery Surrogate |
|--|-----------|-----------|------------------|----------------------|----------------------|
| 43797 | MW3 | W | ND<500,j | ND<500 | 101 |
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| Reporting Limit unless otherwise stated; ND means not detected above the reporting limit | W | 1.0 ug/L | 1.0 | | |
| | S | 5.0 ug/kg | 5.0 | | |

* water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L
h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

 Edward Hamilton, Lab Director



QC REPORT

VOCs (EPA 8240/8260)

Date: 07/30/00-07/31/00 Matrix: Water

Extraction: N/A

| Compound | Concentration: ug/L | | | %Recovery | | RPD |
|----------|---------------------|----|-----|---------------|----|-----|
| | Sample | MS | MSD | Amount Spiked | MS | |

SampleID: 72700

Instrument: GC-10

| | | | | | | | |
|-------------------------|-------|-------|-------|--------|-----|-----|------|
| Surrogate | 0.000 | 101.0 | 106.0 | 100.00 | 101 | 106 | 4.8 |
| Toluene | 0.000 | 90.0 | 88.0 | 100.00 | 90 | 88 | 2.2 |
| Benzene | 0.000 | 100.0 | 113.0 | 100.00 | 100 | 113 | 12.2 |
| Chlorobenzene | 0.000 | 109.0 | 105.0 | 100.00 | 109 | 105 | 3.7 |
| Trichloroethane | 0.000 | 78.0 | 87.0 | 100.00 | 78 | 87 | 10.9 |
| 1,1-Dichloroethene | 0.000 | 105.0 | 110.0 | 100.00 | 105 | 110 | 4.7 |
| Surrogate | 0.000 | 103.0 | 97.0 | 100.00 | 103 | 97 | 6.0 |
| tert-Amyl Methyl Ether | 0.000 | 96.0 | 95.0 | 100.00 | 96 | 95 | 1.0 |
| Methyl tert-Butyl Ether | 0.000 | 104.0 | 106.0 | 100.00 | 104 | 106 | 1.9 |
| Ethyl tert-Butyl Ether | 0.000 | 91.0 | 100.0 | 100.00 | 91 | 100 | 9.4 |
| Di-isopropyl Ether | 0.000 | 93.0 | 95.0 | 100.00 | 93 | 95 | 2.1 |

$$\% \text{ Recovery} = \frac{(MS - \text{Sample})}{\text{Amount Spiked}} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

26234 2nd 45

CHAIN OF CUSTODY RECORD

| PROJECT NUMBER: 0014 | | PROJECT NAME: XTEA OIL - Castro Valley | | | NUMBER OF CONTAINERS 3 | ANALYSIS(ES): EPA BY EPA FIELD ON (PIPE ETC) TRI, ATR, MTR, EPH, EPB, 1/2-764 | PRESERVATIVE ICE | REMARKS NORMAL TWELVE AROUND |
|---|---------|---|-------|---|--|---|--|---------------------------------|
| SAMPLED BY: (PRINTED AND SIGNATURE) Greg Brown [Signature] | | | | | | | | |
| SAMPLE NUMBER | DATE | TIME | TYPE | SAMPLE LOCATION | IDEAL GOOD CONDITION HEAD SPACE ASSENT | PRESERVATION APPROPRIATE CONTAINERS | VOL SOL OR GAS METALS OTHER | REMARKS |
| MW3 | 7/26/00 | | WATER | MONITORING WELL MW3 | | | | |
| 43797 | | | | | | | | |
| RELINQUISHED BY: (SIGNATURE) | | DATE | TIME | RECEIVED BY: (SIGNATURE) | | TOTAL NO. OF SAMPLES (THIS SHIPMENT) | 81 | LABORATORY: |
| [Signature] | | 7/26/00 | 1440 | [Signature] | | TOTAL NO. OF CONTAINERS (THIS SHIPMENT) | 3 | McCAMPBELL ANALYTICAL INC |
| RELINQUISHED BY: (SIGNATURE) | | DATE | TIME | RECEIVED BY: (SIGNATURE) | | LABORATORY CONTACT: | | LABORATORY PHONE NUMBER: |
| [Signature] | | 7/26/00 | 1505 | [Signature] | | ED HAMILTON | | (925) 798-1620 |
| RELINQUISHED BY: (SIGNATURE) | | DATE | TIME | RECEIVED FOR LABORATORY BY: (SIGNATURE) | | SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO | | |
| [Signature] | | 7/26/00 | 18:23 | [Signature] | | | | |
| REMARKS: | | | | | | | | |



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| | | |
|---|--|--------------------------|
| P&D Environmental 4020 Panama Court Oakland, CA 94611 | Client Project ID: #0014; Xtra Oil-Castro Valley | Date Sampled: 09/18/00 |
| | Client Contact: Paul King | Date Received: 09/19/00 |
| | Client P.O: | Date Extracted: 09/20/00 |
| | | Date Analyzed: 09/20/00 |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

| Lab ID | Client ID | Matrix | TPH(g) ⁺ | MTBE | Benzene | Toluene | Ethyl-benzene | Xylenes | % Recovery Surrogate |
|--|-----------|--------|---------------------|-------------------|---------|---------|---------------|---------|----------------------|
| 47984 | MW1 | W | 86,000,a,h | ND<200 | 7200 | 2000 | 3200 | 13,000 | 98 |
| 47985 | MW3 | W | 130,000,a,h | 33,000 | 39,000 | 9100 | 2300 | 14,000 | 103 |
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| Reporting Limit unless otherwise stated; ND means not detected above the reporting limit | W | | 50 ug/L | 5.0 | 0.5 | 0.5 | 0.5 | 0.5 | |
| | S | | 1.0 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

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.



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| | | |
|---|--|--------------------------|
| P&D Environmental 4020 Panama Court Oakland, CA 94611 | Client Project ID: #0014; Xtra Oil-Castro Valley | Date Sampled: 09/18/00 |
| | | Date Received: 09/19/00 |
| | Client Contact: Paul King | Date Extracted: 09/19/00 |
| | Client P.O: | Date Analyzed: 09/20/00 |

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

| Lab ID | Client ID | Matrix | TPH(d) ⁺ | % Recovery Surrogate |
|--|-----------|--------|---------------------|----------------------|
| 47984 | MW1 | W | 15,000,d,b,h | 105 |
| 47985 | MW3 | W | 43,000,a,d,h | 106 |
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| 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 sludge samples in mg/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.



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QC REPORT

Date: 09/20/00 Matrix: Water

Extraction: N/A

| Compound | Concentration: ug/L | | | %Recovery | | RPD |
|----------|---------------------|----|-----|---------------|----|-----|
| | Sample | MS | MSD | Amount Spiked | MS | |

SampleID: 40793

Instrument: GC-3

| | | | | | | | |
|---------------|-------|-------|-------|---------|-----|-----|-----|
| Surrogate1 | 0.000 | 97.0 | 103.0 | 100.00 | 97 | 103 | 6.0 |
| Xylenes | 0.000 | 280.0 | 298.0 | 300.00 | 93 | 99 | 6.2 |
| Ethyl Benzene | 0.000 | 94.0 | 101.0 | 100.00 | 94 | 101 | 7.2 |
| Toluene | 0.000 | 97.0 | 106.0 | 100.00 | 97 | 106 | 8.9 |
| Benzene | 0.000 | 100.0 | 110.0 | 100.00 | 100 | 110 | 9.5 |
| MTBE | 0.000 | 108.0 | 117.0 | 100.00 | 108 | 117 | 8.0 |
| GAS | 0.000 | 802.8 | 816.4 | 1000.00 | 80 | 82 | 1.7 |

SampleID: 92200

Instrument: MB-1

| | | | | | | | |
|--------------|-------|------|------|-------|-----|-----|-----|
| Oil & Grease | 0.000 | 20.4 | 20.2 | 20.00 | 102 | 101 | 1.0 |
|--------------|-------|------|------|-------|-----|-----|-----|

SampleID: 92200

Instrument: GC-2 A

| | | | | | | | |
|--------------|-------|-------|-------|--------|-----|----|-----|
| Surrogate1 | 0.000 | 105.0 | 98.0 | 100.00 | 105 | 98 | 6.9 |
| TPH (diesel) | 0.000 | 310.0 | 295.0 | 300.00 | 103 | 98 | 5.0 |

$$\% \text{ Recovery} = \frac{(MS - \text{Sample})}{\text{Amount Spiked}} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

