2307 Pacific Ave., Alameda, CA 94501
Phone: 510-865-9503
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Xtra Oil Company

September 24, 2008

Mr. Steven Plunkett
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT (JUNE THROUGH AUGUST 2008) CERTIFICATION
County Case # RO 285
Xtra Oil Company
3495 Castro Valley Blvd.
Castro Valley, CA

Dear Mr. Plunkett:

P&D Environmental, Inc. has prepared the following document:

- Quarterly Groundwater Monitoring and Sampling Report (June Through August 2008) dated September 22, 2008 (document 0014.R71).

I declare under penalty of perjury that the contents and conclusions in the document are true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 865-9506.

Sincerely,

Xtra Oil Company

Keith Simas

0014.L157

Retail Fueling/Convenience Stores

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

September 22, 2008
Report 0014.R71

Mr. Ted Simas
Mr. Keith Simas
Xtra Oil Company
2307 Pacific Ave.
Alameda, CA 94501

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT
(JUNE THROUGH AUGUST 2008)
County Case # RO 285
Xtra Oil Company
3495 Castro Valley Blvd.
Castro Valley, California

Gentlemen:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting the results of the most recent quarterly monitoring and sampling of both the on- and off-site wells for the subject property. This work was performed in accordance with P&D's proposal 020599.P1 dated February 5, 1999. Onsite wells MW1, MW3, MW4, and EW1, offsite observation wells OW1 and OW2, and offsite monitoring wells MW5 through MW12 were monitored on July 16, 2008 and wells MW1, MW3, EW1, and MW5 through MW12 were sampled on July 16 and 17, 2008. The reporting period is for June through August 2008. A Site Location Map (Figure 1), a Site Plan showing onsite well locations (Figure 2), and a Site Vicinity Map showing offsite well locations (Figure 3) are attached with this report. Figure 3 has been updated to show the correct location of OW2. Norbridge School shown on Figure 1 to the south of the subject site has been demolished and replaced with the Castro Valley BART station and associated parking lot.

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 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 on 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 mg/kg, respectively; in borehole MW2 at depths of 10 and 15 feet below grade at concentrations of 230 and 95 mg/kg, respectively; and in borehole MW3 at depths of 5, 10, and 15 feet at concentrations of 140, 250 and 25 mg/kg, respectively. In addition, 120 mg/kg 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 concentration 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 photoionization detector. In borehole SB1, TPH-G was detected at the depths of 10 and 12 feet at concentrations of 1,700 and 450 mg/kg, 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 mg/kg and greater than 2,000 mg/kg, 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 associated with the widening of 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. In accordance with an October 25, 2002 letter from Mr. Seery, groundwater samples are to be analyzed for fuel oxygenates methyl tertiary-butyl ether (MTBE), tertiary amyl methyl ether (TAME), ethyl tertiary-butyl ether (ETBE), diisopropyl ether (DIPE), and tertiary-butyl alcohol (TBA), and lead scavengers ethylene dibromide (EDB), 1,2-dichloroethane (1,2-DCA) using EPA Method 8260; and data for observation wells OW1 and OW2, located in Redwood Road, are to be incorporated into monitoring and sampling reports for the subject site. Documentation of the well installation is provided in P&D's Monitoring Well Installation Report dated September 30, 1997 (document 0014.R25).

On May 31, 2005, P&D submitted an Interim Source Area Remediation Plan (ISARP) to ACDEH proposing free product removal at the site (document 0014.W9). P&D proposed using existing extraction well EW1 in the existing UST pit to dewater the existing pit and the previous UST pit. Monitoring of existing wells MW1, MW3, and MW4 to evaluate the effectiveness of water table drawdown at the site for plume control and associated free product recovery was also proposed.

In January 2007, P&D installed a groundwater extraction system consisting of a pump in well EW1, associated piping for discharge of water from the well, and a carbon filtration system. System operation began in February 2007. Documentation of the system installation and operation is provided in P&D's Interim Source Area Remediation Plan Progress Evaluation Report dated October 25, 2007 (document 0014.R67).

In response to a February 6, 2007 letter request from the ACDEH, P&D submitted a Groundwater Monitoring Well Installation Work Plan (MW5 Through MW13) dated March 5, 2007 (document 0014.W10) to the ACDEH proposing the installation of nine offsite groundwater monitoring wells in the vicinity of the subject site designated as MW5 through MW13. The ACDEH conditionally approved the work plan in an April 4, 2007 letter. P&D subsequently submitted a Groundwater Monitoring Well Installation Work Plan Amendment (MW5 Through MW12) dated May 3, 2007 (document 0014.W10A) to the ACDEH proposing the installation of eight offsite groundwater monitoring wells in the vicinity of the subject site designated as MW5 through MW12. Documentation of the implementation of the work plan and work plan amendment is provided in P&D's Groundwater Monitoring Well Installation Report (MW5 Through MW12) dated January 30, 2008 (document 0014.R68).

FIELD ACTIVITIES

Onsite wells MW1, MW3, MW4, and EW1, offsite observation wells OW1 and OW2, and offsite monitoring wells MW5 through MW12 were monitored on July 16, 2008 and wells MW1, MW3, EW1, and MW5 through MW12 were sampled on July 16 and 17, 2008. The monitoring and sampling was performed in conjunction with monitoring and sampling by SOMA Environmental Engineering, Inc. of Pleasanton, California at the Former BP site at 3519 Castro Valley Boulevard.

The wells at the subject site were monitored for depth to water and the presence of free product or sheen. In well MW4 the depth to water and depth to free product were measured to the nearest 1/32-inch with a steel tape and water-finding and product-finding paste. The passive hydrocarbon collection device in well MW4 was removed by P&D personnel and placed in storage near MW1 during pressure transducer installation in well MW4 on November 2, 2006. In wells OW1, OW2, MW1, MW3, and EW1, the 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 also evaluated using a transparent bailer in wells MW1, MW3, MW5 through MW12, and EW1. The measured free product thickness in well MW4 was 0.21 feet.

No sample was collected from MW4 due to the presence of free product in the well.

Prior to well sampling, onsite wells MW1, MW3, and EW1, and offsite wells MW5 through MW12 were purged of a minimum of three casing volumes of water or until the wells had been purged dry. Petroleum hydrocarbon odors and a petroleum hydrocarbon sheen were detected on the purge water from all three of the onsite sampled wells (MW1, MW3 and EW1). Petroleum hydrocarbon odors were also detected for the samples collected from offsite wells MW6, MW8, and MW12, and petroleum hydrocarbon sheen was observed on the sample collected from offsite well MW6.

During purging operations, the field parameters of electrical conductivity, temperature, and pH were monitored and recorded on a groundwater monitoring/well purging data sheet. 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, new disposable bailer. Records of the field parameters measured during well purging are included with this report.

The water samples were transferred to 40-milliliter glass VOA vials and 1-liter amber glass bottles that were sealed with Teflon-lined screw caps. The VOA vials were overturned and tapped to ensure 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 Pittsburg, California. McCampbell Analytical, Inc. is a State-accredited hazardous waste testing laboratory. Chain of custody documentation accompanied the samples to the laboratory.

HYDROGEOLOGY

Water levels were measured in all of the wells once during the reporting period.

On January 7, 2008, Kier & Wright surveyed the top of all of the wells, including onsite wells MW1, MW3, MW4 and EW1, and offsite observation wells OW1 and OW2. The new top of well casing elevations for the wells and the associated calculated groundwater surface elevations are shown in Table 1. Comparison of the previous top of well casing elevations for wells MW1, MW3 and MW4 with the January 7, 2008 elevations shows that the January 7, 2008 elevations are 2.85, 3.06, and 2.86 feet higher, respectively, than the previously surveyed elevations. The groundwater surface elevations and associated groundwater flow direction were calculated using the January 7, 2008 survey elevations for all of the wells.

On July 16, 2008, the measured depth to water in wells MW1, MW3, MW4, and EW1 was 8.40, 9.03, 8.04, and 11.40 feet, respectively. A separate phase hydrocarbon layer measuring approximately 0.21 feet in thickness was measured in well MW4. Using a specific gravity of 0.75, the corrected depth to water in well MW4 is 7.88 feet. Since the previous monitoring event on April 15, 2008, the groundwater elevations have increased in wells MW1 and MW3 by 0.01 and 0.16 feet, respectively; and decreased in MW4 by 0.07 feet, respectively (the reported change in water level has been corrected for free product presence), and the groundwater elevation in well EW1 remained the same. Since the previous monitoring and sampling event of the offsite wells on April 15, 2008, the groundwater elevations have decreased in offsite groundwater monitoring wells MW5, MW6, MW7, MW8, MW9, MW10, MW11, and MW12 by 0.11, 0.88, 0.46, 0.44, 0.13, 0.19, 0.68, and 0.70 feet, respectively. Although the measured change in the water level in well MW11 has been attributed to very slow recovery of the well during previous sampling episodes, the change in water level since the previous sampling event in well MW11of 0.68 feet is approximately comparable to the water level change in nearby well MW7 of 0.046 feet. The measured depth to water in the wells and the separate phase layer thickness measured in well MW4 are summarized in Table 1.

Based on the measured depth to groundwater in the onsite groundwater monitoring wells MW1, MW3 and MW4, the apparent groundwater flow direction at the site on July 16, 2008 was calculated to be to the south-southwest with a gradient of 0.013. During the previous quarterly

monitoring and sampling event on April 15, 2008, the groundwater flow direction was also calculated to be to the south-southwest and with a gradient of 0.014. The groundwater flow direction at the site on July 16, 2008 is shown on Figure 2. The groundwater flow direction and gradient are consistent with the flow direction and gradient observed at the site during the previous monitoring and sampling event on April 15, 2008. The current groundwater flow direction and gradient are different from historic values, and are considered to be the result of groundwater pumping at well EW1 in the former UST pit which began in February 2007.

Based on review of groundwater surface elevations in offsite groundwater monitoring wells MW5 through MW12, the groundwater flow direction in the vicinity of the site is southerly, ranging from the south-southeast with a gradient of 0.016 in the vicinity of Redwood Road to the south-southwest with a gradient of 0.010 in the vicinity of the west end of Redwood Court. These offsite groundwater flow directions and gradients are relatively consistent with groundwater flow directions and gradients observed during the previous monitoring and sampling episode. Groundwater surface elevations and contours and the approximate groundwater flow direction in the vicinity of the site based on July 16, 2008 water level measurements from the offsite wells are shown on Figure 3.

LABORATORY RESULTS

All of the groundwater samples collected on July 16 and 17, 2008 were analyzed for TPH Multirange (TPH-G, TPH-D, and TPH-MO) using EPA Methods 5030B and 3510C in conjunction with Modified EPA Method 8015C; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), the fuel oxygenates MTBE, TAME, ETBE, TAME, and TBA, and for lead scavengers EDB and 1,2-DCA/EDC using EPA Method 5030B in conjunction with EPA Method 8260B.

The laboratory analytical results for the samples from onsite wells MW1, MW3, and EW1 show that TPH-D was detected at concentrations of 4.3, 19, and 6.9 mg/L, respectively; TPH-G was detected at concentrations of 16, 63, and 16 mg/L, respectively; benzene was detected at concentrations of 0.21, 24, and 4.1 mg/L, respectively; and MTBE was detected in wells MW3 and EW1 at concentrations of 5.1 and 7.6 mg/L, respectively.

The laboratory analytical results for the samples from offsite wells MW5 through MW12 shows that no analytes were detected in well MW9, and that only MTBE was detected in wells MW5, MW10, and MW11 at concentrations of 0.0022, 0.0015, and 0.023 mg/L, respectively. In the remaining offsite wells (MW6, MW7, MW8 and MW12) TPH-D was detected at concentrations of 5.7, 0.078, 1.5, and 0.089 mg/L, respectively; and TPH-G was detected at concentrations of 88, 0.28, 7.0, and 0.44 mg/L, respectively. Benzene was detected in offsite wells MW6, MW7, and MW8 at concentrations of 6.1, 0.059, and 0.053 mg/L, respectively, and was not detected in well MW12. MTBE was detected in offsite wells MW7 and MW12 at concentrations of 0.0070 and 0.0082 mg/L, respectively, and was not detected in offsite wells MW6 and MW8.

No other fuel oxygenates or lead scavengers were detected in any of the wells except for TBA in onsite wells MW3 and EW1 at concentrations of 6.1 and 15 mg/L, respectively.

Review of the laboratory analytical reports shows that the TPH-D results for the samples from wells MW3, EW1, MW7, and MW12 are described as consisting of both diesel- and gasoline-range

compounds, and the TPH-D results for the samples from wells MW1, MW6 and MW8 are described as consisting of gasoline-range compounds.. In addition, the laboratory identified sheen on the samples collected from well MW3.

Since the previous sampling event on April 16 and 17, 2008, all analyte concentrations have decreased in well EW1, and have decreased or remained not detected in wells MW5, MW9, MW10, and MW11. In wells MW3, MW8, and MW12, analyte concentrations have decreased or remained not detected with the exceptions of TPH-D in wells MW3 and MW12, TPH-G in all three wells, and ethylbenzene in well MW8, which all increased in concentration. The analyte concentrations in wells MW1, MW6, and MW7 all increased, with the exceptions of MTBE in well MW1, TPH-D in well MW6, and toluene, ethylbenzene, and xylenes in well MW7, which decreased. The laboratory analytical results for the groundwater samples are summarized in Table 2. Copies of the laboratory analytical reports and chain of custody documentation are included with this report.

DISCUSSION AND RECOMMENDATIONS

Onsite wells MW1, MW3, MW4, and EW1, offsite observation wells OW1 and OW2, and offsite monitoring wells MW5 through MW12 were monitored on July 16, 2008 and wells MW1, MW3, EW1, and MW5 through MW12 were sampled on July 16 and 17, 2008. Separate phase hydrocarbons were detected in well MW4 at a thickness of 0.21 feet. The passive hydrocarbon collection device in well MW4 was removed on November 2, 2006, by P&D personnel during pressure transducer installation associated with preparation for dewatering the former UST pit. Dewatering of the former UST pit began February 2007 in UST pit extraction well EW1. The increase in depth to water in EW1 relative to water level measurements prior to 2007 is associated with the dewatering of the UST pit, which began during the first quarter of 2007. Similarly, the change in the onsite groundwater flow direction from a historic southeasterly flow direction to a southwesterly flow direction with a higher gradient is attributed to the UST pit dewatering.

The groundwater surface elevations and associated groundwater flow direction were calculated using the January 7, 2008 survey elevations for all of the wells. Based on review of groundwater surface elevations in offsite groundwater monitoring wells MW5 through MW12, the groundwater flow direction in the vicinity of the site is southerly, ranging from the south-southeast with a gradient of 0.016 in the vicinity of Redwood Road to the south-southwest with a gradient of 0.010 in the vicinity of the west end of Redwood Court.

Since the previous monitoring and sampling event, the majority of analyte concentrations either decreased or remained not detected for all of the wells with a few noted exceptions and well MW1 where the majority of analyte concentrations increased. The UST pit dewatering pump is located in well EW1, and the increase in petroleum hydrocarbon concentrations in well EW1 when compared to water quality data prior to 2007 is attributed to groundwater with elevated concentrations of petroleum hydrocarbons moving into the UST pit as a result of the UST pit dewatering.

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 the

Former BP site located at 3519 Castro Valley Boulevard. In accordance with recent communications with ACDEH, although future monitoring and sampling events will be performed in conjunction with the consultant for the Former BP site located at 3519 Castro Valley Boulevard, the results obtained by the other consultant are not included in this current report and will not be included in future P&D reports because the information is readily available via the internet at both the county website and the GeoTracker website.

DISTRIBUTION

A copy of this report will be uploaded to the ACDEH website, in accordance with ACDEH requirements. In addition, a copy of this report will be uploaded to the GeoTracker database.

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 judgment 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 judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

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

Sincerely,

P&D Environmental, Inc.

Paul H. King

Paul H. King
Professional Geologist #5901
Expires: 12/31/09

Attachments: Tables 1 & 2
Site Location Map (Figure 1)
Site Plan (Figure 2)
Site Vicinity Map (Figure 3)
Well Monitoring and Purge Data Sheets
Laboratory Analytical Reports and Chain of Custody Documentation

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TABLES

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW1	07/16/08	180.22++	8.40	171.82
	04/15/08		8.41	171.81
	01/17/08	177.37*	8.01	169.36
	10/16/07		8.65	168.72
	07/25/07		8.49	168.88
	04/17/07		8.30	169.07
	01/18/07		7.85	169.52
	11/14/06		7.38	169.99
	06/29/06		7.80	169.57
	02/03/06		6.65	170.72
	11/18/05		8.17	169.20
	07/28/05		7.98	169.39
	04/13/05		6.90	170.47
	01/31/05		7.20	170.17
	10/15/04		8.52	168.85
	07/13/04		8.33	169.04
	04/06/04		7.93	169.44
	12/18/03		7.65	169.72
	09/18/03		8.15	169.22
	06/19/03		8.13	169.24
	03/18/03		7.77	169.60
	12/21/02		5.74	171.63
	09/10/02		8.28	169.09
	03/30/02		7.43	169.94
	12/22/01		6.92	170.45
	09/23/01		8.53	168.84
	06/22/01		8.30	169.07
	04/22/01		7.77	169.60
	12/14/00		8.49	168.88
	09/18/00		8.56	168.81
	06/08/00		7.97	169.40
	03/09/00		6.68	170.69
	12/09/99		8.15	169.22
	08/31/99		8.36	169.01
	04/29/99		7.68	169.69

NOTES:
* = Surveyed on August 20, 1997
++ = Surveyed on January 7, 2008

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW1 (Continued)	01/29/99	177.37*	6.99	170.38
	04/26/98		7.50	169.87
	01/24/98		6.61	170.76
	11/06/97		8.79	168.58
	08/26/97	177.37*	8.51	168.86
	07/24/97		8.71	168.72
	04/25/97		7.98	169.45
	01/20/97		7.12	170.31
	07/26/96		8.39	169.04
	07/09/96		8.16	169.27
	04/23/96		7.47	169.96
	02/07/96		6.09	171.34
	01/29/96		6.17	171.26
	10/26/95		8.45	168.98
	07/28/95		8.27	169.16
	05/02/95		6.96	170.47
	02/23/95		7.72	169.71
	11/18/94		7.14	170.29
	08/22/94		8.67	168.76
	05/19/94	177.43**	8.05	169.38
	02/28/94		7.44	169.99
	11/24/93		8.74	168.69
	08/30/93		8.78	168.65
	05/18/93		8.12	169.31
	02/23/93		7.34	170.09
	11/13/92	200.00***	9.13	190.87
	05/29/92	175.73	8.59	167.14
	01/14/92		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
	09/17/91		9.50	166.23
	08/19/91		9.31	166.42

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

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW2	NOT MEASURED (DESTROYED ON FEBRUARY 7, 1996)			
	02/07/96	176.04**	5.70	170.34
	01/29/96		5.16	170.88
	10/26/95		8.21	167.83
	07/28/95		7.99	168.05
	05/02/95		6.79	169.25
	02/23/95		7.51	168.53
	11/18/94		6.92	169.12
	08/22/94		8.59	167.45
	05/19/94		7.70	168.34
	02/28/94		6.99	169.05
	11/24/93		8.47	167.57
	08/30/93		8.64	167.40
	05/18/93		7.73	168.31
	02/23/93		6.39	169.65
	11/13/92	198.61***	8.70	189.91
	05/29/92	175.45	9.31	166.14
	01/14/92		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
	09/17/91		10.23	165.22
	08/19/91		9.60	165.85

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

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW3	07/16/08	179.46++	9.03	170.43
	04/15/08		9.19	170.27
	01/17/08	176.40*	8.90	167.50
	11/16/07		9.43	166.97
	07/25/07		9.35	167.05
	04/17/07		8.88	167.52
	01/18/07		7.32	169.08
	11/14/06		7.53	168.87
	06/29/06		7.58	168.82
	02/03/06		6.10	170.30
	11/18/05		7.63	168.77
	07/28/05		7.58	168.82
	04/13/05		6.35	170.05
	01/31/05		6.79	169.61
	10/15/04		8.28	168.12
	07/13/04		8.11	168.29
	04/06/04		7.41	168.99
	12/18/03		6.99	169.41
	09/18/03		7.91	168.49
	06/19/03		7.60	168.80
	03/18/03		7.35	169.05
	12/21/02		5.43	170.97
	09/10/02		7.97	168.43
	03/30/02		6.97	169.43
	12/22/01		6.44	169.96
	09/23/01		8.17	168.23
	06/22/01		8.06	168.34
	04/22/01		7.50	168.90
	12/14/00		8.13	168.27
	09/18/00		7.83	168.57
	09/26/00		7.77	168.63
	06/08/00		7.50	168.90
	03/09/00		6.08	170.32
	12/09/99		7.90	168.50

NOTES:
* = Surveyed on August 20, 1997
++ = Surveyed on January 7, 2008

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW3 (Continued)	08/31/99	176.41**	7.95	168.45
	04/29/99		7.09	169.31
	01/29/99		6.42	169.98
	04/26/98		6.85	169.55
	01/24/98		5.90	170.50
	11/06/97		7.80	168.80
	08/26/97		7.67	168.93
	07/24/97	176.41**	7.90	168.51
	04/25/97		7.12	169.29
	01/20/97		6.35	170.06
	07/26/96		7.84	169.57
	07/09/96		7.61	168.80
	04/23/96		6.81	169.60
	02/07/96		5.05	170.36
	01/29/96		5.77	170.64
	10/26/95		7.72	168.69
	07/28/95		7.80	168.61
	05/02/95		6.50	169.91
	02/23/95		7.24	169.17
	11/18/94		6.05	170.36
	08/22/94	190.97***	7.65	168.76
	05/19/94		7.15	169.26
	02/24/94		6.68	169.73
	11/24/93		7.55	168.86
	08/30/93		7.64	168.77
	05/18/93		7.12	169.29
	02/23/93		8.01	168.40
	11/13/92		7.86	191.12
	05/29/92	175.00	8.45	166.55
	01/14/92		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
	09/17/91		9.20	165.80
	08/19/91		8.95	166.05

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

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW4	07/16/08	179.21++	8.04(0.21)#	171.33
	04/15/08		8.00(0.25)#	171. 40
	01/17/08	176.35*	7.50(0.17)#	168.98
	10/16/07		8.50(0.25)#	168.04
	07/25/07		8.04(0.17)#	168.44
	04/17/07		7.94(0.19)#	168.55
	01/18/07		7.38(0.21)#	169.13
	11/14/06		7.36(0.25)#	169.18
	06/29/06		Unknown	Unknown
	02/03/06		5.86	170.49
	11/18/05		7.99 (0.51)#	168.36
	07/28/05		7.59	168.76
	04/13/05		6.78 (0.01)#	169.58
	01/31/05		7.34 (0.19)#	169.15
	10/15/04		8.73 (0.15)#	167.73
	07/13/04		8.44 (0.03)#	167.93
	04/06/04		9.58 (2.83)#	168.89
	02/11/04		9.43 (2.70)#	168.95
	12/18/03		9.75 (1.51)#	167.73
	09/18/03		9.13 (1.80)#	168.57
	06/19/03		8.56 (0.31)#	168.02
	03/18/03		7.49 (0.06)#	168.91
	12/21/02		8.58 (4.39)#	171.06

NOTES:
* = Surveyed on August 20, 1997
# = 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.
++ = Surveyed on January 7, 2008.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW4 (Continued)				
	09/10/02		9.09 (1.60)#	168.46
	03/30/02		9.86 (2.49)#	168.36
	12/22/01		7.79 (1.75)#	169.87
	09/23/01		8.97 (1.17)#	168.26
	06/22/01		7.79	168.56
	04/22/01		9.07 (2.20)#	168.93
	12/14/00		8.87 (0.72)#	168.02
	09/18/00		8.50 (0.45)#	168.19
	06/08/00		7.34	169.01
	03/09/00		6.61 (0.46)#	170.08
	12/09/99		8.80	167.55
	08/31/99		8.28	168.07
	04/29/99		7.14	169.21
	01/29/99		6.68	169.67
	04/26/98		6.87	169.48
	01/24/98		6.61	169.74
	11/06/97		9.16	167.19
	08/26/97		8.92	167.43
	08/20/97		7.66 (prior to development)	

NOTES:
* = Surveyed on August 20, 1997
# = 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 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW5	07/16/08	176.02++	6.01	170.01
	04/15/08		5.90	170.12
	12/17/07		5.83	170.19
	12/13/07		5.83	170.19
	12/12/07		5.98$	170.04

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW6	07/16/08	175.24++	5.88	169.36
	04/15/08		5.00	170.24
	12/17/07		5.69	169.55
	12/13/07		5.63	169.61
	12/11/07		6.17$	169.07

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW7	07/16/08	170.34++	4.06	166.28
	04/15/08		3.60	166.74
	12/17/07		3.68	166.66
	12/13/07		4.74	165.60
	12/12/07		5.49	164.85
	12/11/07		5.98$	164.36

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW8	07/16/08	176.00++	7.20	168.80
	04/15/08		6.76	169.24
	12/17/07		6.73	169.27
	12/13/07		6.52	169.48
	12/12/07		6.56$	169.44

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW9	07/16/08	175.09++	6.57	168.52
	04/15/08		6.44	168.65
	12/17/07		6.35	168.74
	12/13/07		6.31	168.78
	12/11/07		11.21$	163.88

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW10	07/16/08	176.03++	5.83	170.20
	4/15/08		5.64	170.39
	12/17/07		5.77	170.26
	12/13/07		5.55	170.48
	12/12/07		5.70$	170.33

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW11	07/16/08	171.03++	4.38	166.65
	04/15/08		3.70	167.33
	12/17/07		10.19	160.84
	12/13/07		12.72	158.31
	12/12/07		12.99	158.04
	12/11/07		11.94$	159.09

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW12	07/16/08	173.98++	8.47	165.51
	04/15/08		7.77	166.21
	12/17/07		7.71	166.27
	12/13/07		7.66	166.32
	12/12/07		7.67$	166.31

Notes:
++ = Surveyed on January 7, 2008.
$ = Prior to well development.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
EW1	07/16/08	179.27++	11.40	167.87
	04/15/08		11.40	
	01/17/08	Not Surveyed	11.41	
	11/16/07		11.95	
	07/25/07		11.57	
	04/17/07		11.35	
	01/18/07		6.60	
	11/14/06		6.11	
	06/29/06		6.88	
	02/03/06		5.23	
	11/18/05		6.63	
	07/28/05		6.94	
	04/13/05		5.23	
	01/31/05		6.25	
	10/15/04		7.65	
	07/13/04		7.51	
	04/06/04		6.63	
	12/18/03		6.72	
	09/18/03		7.29	

NOTES:

++ = Surveyed on January 7, 2008.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Total Well Depth (ft.)
OW1	07/16/08	178.93++	6.95	7.17
	04/15/08		7.11	7.17
	01/17/08	Not Surveyed	4.00	Not measured
	11/16/07		No Water or Product	7.41
	07/25/07		No Water or Product	7.41
	04/17/07		No Water or Product	7.41
	01/18/07		No Water or Product	7.41
	11/14/06		No Water (sheen)	7.41
	06/29/06		7.13	7.42
	02/03/06		6.97	7.45
	11/18/05		7.43 (0.13)#	7.50
	07/28/05		7.06 (0.01)#	7.45
	04/13/05		6.99	7.44
	01/31/05		7.03	7.44
	10/15/04		7.19 (0.08)#	7.44
	07/14/04		7.02	7.44
	04/06/04		7.01	7.44
	02/11/04		7.01	7.44
	10/06/03		7.07 (0.01)#	7.44
	11/02/00		7.12,+	
	01/29/99		7.12	
	12/09/99		7.27	

NOTES:
= 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.
+ = Petroleum hydrocarbon odor reported on probe for water level indicator.
++ = Surveyed on January 7, 2008.

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Total Well Depth (ft.)
OW2	07/16/08	176.03++	No Water or Product	7.10
	04/15/08		No Water or Product	7.28
	01/17/08	Not Surveyed	No Water or Product	Not measured
	11/16/07		No Water or Product	7.28
	07/25/07		No Water or Product	7.28
	04/17/07		No Water or Product	7.28
	01/18/07		No Water or Product	7.28
	11/14/06		7.27	7.28
	06/29/06		7.30	7.33
	02/03/06		7.08	7.35
	11/18/05		7.33	7.35
	07/28/05		7.27	7.32
	04/13/05		7.06	7.35
	01/31/05		7.29	7.37
	10/15/04		No Water or Product	7.35
	07/14/04		No Water or Product	7.35
	04/06/04		7.27	7.33
	02/11/04		7.19	7.33
	10/06/03		7.29	7.34
	11/02/00		7.19	
	01/29/99		7.19	
	12/09/99		7.17	

NOTES:
= 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.
+ = Petroleum hydrocarbon odor reported on probe for water level indicator.
++ = Surveyed on January 7, 2008.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW1

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	4.3, c	16	ND<0.025	0.21	0.16	1.0	1.6	ND
04/16/08	3.2, c	13	0.029	0.15	0.11	0.87	1.2	ND
01/17/08	3.8, b	22	0.074	0.31	0.22	1.2	1.7	ND
10/16/07	2.5, a, b	23, a	0.13	0.48	0.23	1.1	1.7	ND
07/25/07	3.9, b	15, f	0.13	0.25	0.023	ND<0.01	1.5	ND
04/17/07	6.2, b	23	0.26	0.78	0.32	1.1	2.0	ND<0.025, except TBA ND<0.25

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
f = Laboratory analytical report note: TPH-G results have no recognizable pattern.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
01/18/07	6.4, b	29	ND<1.0	1.8	0.87	1.6	3.3	ND<0.05, except TBA ND<0.5
11/14/06	7.2, b	30	0.44	2.2	0.60	1.8	2.9	ND<0.05, except TBA ND<0.5, Ethanol ND<5.0, Methanol ND<50.0
06/29/06	22,b	45	1.2	3.1	0.94	2.0	3.9	ND<0.05, TBA ND<0.5
02/03/06	9.7,c	37	0.62	2.2	1.2	2.0	3.5	ND<0.05, TBA ND<0.5
11/18/05	4.3,b	25	0.14	1.6	0.43	1.8	2.7	ND<0.05, TBA ND<0.5
07/28/05	16,a,b	30,a	0.26,+	2.5	0.76	2.1	4.8	ND<0.05, TBA ND<0.5
04/13/05	9.3,b	30	0.3	1.9	0.6	1.7	3	ND<0.05, TBA ND<0.5

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
01/31/05	14,b	29	0.27	2.2	1.2	1.9	5.0	ND<0.05, TBA ND<0.5
10/15/04	16,a,b	36,a	ND<0.05	1.5	1.0	2.1	5.1	ND<0.05, TBA ND<0.5
07/13/04	22a,b	34,a	0.053	2.1	0.59	2.1	4.4	ND<0.5, TBA ND<0.5
04/6/04	18,a,b	28,a	0.11	2.3	0.8	0.99	4.5	ND<0.1 TBA ND<1
12/18/03	13,b	33	0.038	2.1	0.77	1.8	4.4	ND<0.005 TBA ND<0.05
09/18/03	15,a,b	32	0.052	2.2	0.62	1.8	3.8	ND<0.017 , TBA ND<0.17

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
06/26/03	67,a,b	45	ND<0.05	2.1	0.72	2.3	5.5	ND
03/18/03	7.3,a,b	33	ND<0.05	2.4	0.9	1.6	1.0	ND
12/21/02	11,a,b	32	ND<0.1	2.6	0.98	2.2	5.5	ND
09/10/02	18,c	31	ND<0.25	2.2	0.65	1.7	4.8	--
03/30/02	12,a,b	99	ND	4.1	1.2	2.5	6.4	--
12/22/01	22,a,b	60	ND	3.2	1.9	2	6.2	--
09/23/01	16,a,c	49	ND	4	1.4	2.2	6.2	--
06/22/01	85,a,b	35	ND	3.1	0.75	1.2	4.0	--
04/22/01	16,a	43	ND	3.6	1.2	1.6	5.8	--
12/14/00	11,a,d	49	ND	5.8	1.6	2	6.9	--
09/18/00	15,a,b	86	ND	7.2	2	3.2	13	--
06/8/00	6.5,a,c	50	ND	5.7	1.5	1.8	7	--
03/9/00	7.4,a,b	48	ND	5.3	3.1	1.6	8.1	--
12/9/99	12,a,b	65	ND	9.3	2.9	2.2	8.8	--
08/31/99	22,b	66	0.71	8.7	2.7	2.4	10	--
04/29/99	22,b	48	ND	8.4	2.8	2.0	8.1	--
01/29/99	9.1,b	47	ND	9.0	2.9	1.9	8.0	--
04/26/98	7.8,c	60	ND	9.3	5.7	2.1	9.1	--
01/24/98	24,b	57	ND	6.9	5.5	2.0	8.7	--
11/6/97	17,c	63	ND	7.4	6.7	2.3	9.9	--
07/27/97	28,c	66	1.8	8.6	8.1	2.2	10	--
04/25/97	170,b	77	ND	7.4	7.9	2.1	9.8	--
01/21/97	57,c	80	0.25	7.8	8.3	1.9	8.9	--
07/26/96	11,c	76	ND	11	13	2.4	10	--
04/23/96	5.7,c	73	ND	8.6	12	2.2	9.8	--

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
01/29/96	6.6,c	81	0.25	7.6	13	1.9	8.9	--
10/26/95	62,c	89	ND	7.8	12	2.4	11	--
07/28/95	2.0,c	35	--	3.8	8.7	1.1	6.5	--
05/2/95	6.5,c	86	--	8.9	14	2.3	11	--
02/24/95	9.1	90	--	7.5	12	1.5	11	--
11/18/94	10	96	--	9.3	14	2.5	11	--
08/22/94	8.3	100	--	9.0	11	2.1	9.4	--
05/19/94	30	100	--	12	14	3.5	17	--
02/28/94	110	90	--	11	9.6	2.1	9.9	--
11/24/93	8.2	66	--	8.3	8.9	2.0	121	--
08/30/93	9.4	77	--	6.4	11	2.2	12	--
05/18/93	30	92	--	4.0	11	2.5	15	--
02/23/93	14	100	--	4.5	11	2.1	12	--
11/13/92	4.4	120	--	5.8	10	2.1	13	--
05/27/92	11	120	--	8.8	16	2.3	15	--
01/24/92	19	39	--	7.3	8.7	1.3	8.9	--
12/23/91	34	78	--	9.3	7.3	0.54	13	--

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.
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TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
11/25/91	36	170	--	5.5	5.6	1.6	8.4	--
10/10/91	19	28	--	4.1	4.7	1.0	4.8	--
09/17/91	19	39	--	4.9	4.1	1.2	5.9	--
08/19/91	47	48	--	13	8.4	0.99	29	--
07/20/91	49	100	--	11	14	2.3	17	--
06/20/91	42	76	--	4.7	7.1	1.5	9.8	--
05/17/91	26	72	--	7.7	9.9	ND	11	--
04/15/91	--	56	--	6.5	8.5	0.41	9.9	--
03/21/91	--	36	--	4.5	5.7	0.087	7.3	--
02/15/91	--	120	--	7.4	6.6	ND	13	--
01/15/91	--	33	--	3.9	2.9	0.21	5.3	--
09/27/90	--	28	--	3.7	3.5	0.01	6.5	--
08/23/90	--	40	--	5.1	4.9	0.35	6.0	--
07/20/90	44	--	--	5.1	4.2	ND	9.1	--
03/19/90	--	40	--	3.7	1.1	ND	3.3	--
02/20/90**	--	7.6	--	1.6	ND	ND	1.3	--

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.
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TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW2

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
2/7/96				MW2 Destroyed				
1/29/96	4.6,c	38	0.0071	1.9	5.7	1.1	5.9	--
10/26/95	900	74	ND	2.9	5.9	2.0	10	--
7/28/95	2.0,c	15	--	1.4	2.3	0.62	3.2	--
5/2/95	6.6,b	55	--	3.3	10	1.8	10	--
2/24/95	22	67	--	4.9	11	1.8	11	--
11/18/94	5.0	86	--	11	17	1.8	12	--
8/22/94	4.1	91	--	10	13	1.5	9.0	--
5/19/94	5.8	62	--	92	13	1.3	8.4	--
2/28/94	13	91	--	13	16	1.5	9.0	--
11/24/93	79	12	--	13	17	2.5	17	--
8/30/93	110	110	--	11	14	1.8	11	--
5/18/93	44	67	--	9.2	12	1.4	9.3	--
2/23/93	7.0	76	--	12	17	1.6	9.6	--
11/13/92	8.2	79	--	10	13	1.4	8.6	--
5/27/92	130	89	--	18	19	1.7	14	--
1/14/92	1600	59	--	17	14	1.8	15	--
12/23/91	700	2100	--	36	130	79	560	--
11/25/91	130	230	--	11	9.7	1.4	9.7	--
10/10/91	360	85	--	21	25	2.1	14	--
9/17/91	56	74	--	10	11	1.4	8.1	--
8/19/91	19	69	--	26	22	2.1	18	--
7/20/91	100	51	--	9.9	7.7	1.2	7.5	--
6/20/91	69	87	--	8.1	8.4	1.1	8.9	--
5/17/91	33	62	--	5.9	6.3	1.2	9.0	--
4/15/91	--	82	--	5.3	7.4	1.0	9.4	--
3/21/91	--	62	--	9.3	11	0.35	9.7	--
2/15/91	--	200	--	12	12	1.7	14	--
1/14/91	--	78	--	11	8.7	0.58	8.0	--
9/27/90	--	59	--	8.4	12	0.88	9.0	--
8/23/90	--	96	--	8.1	8.4	1.5	8.6	--
7/20/90	86	--	--	9.1	14	0.94	13	--
3/19/90	--	50	--	7.7	8.7	0.075	5.6	--
2/20/90**	--	38	--	7.3	3.1	0.075	6.8	--

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
** Inorganic lead not detected in sample.
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW3

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	19, a, b	63, a	5.1	24	ND<1.0	ND<1.0	4.1	ND, except TBA= 6.1
04/16/08	14, a, b	52, a	6.7	24	ND<0.5	ND<0.5	5.1	ND, except TBA= 6.7
01/17/08	9.9, a, b	110, a	9.3	34	ND<0.5	2.5	9.5	ND, except TBA= 8.0
10/16/07	13, a, b	69, a	13	18	ND<0.5	ND<0.5	5.0	ND, except TBA= 10
07/25/07	6.7, a, e	52, a	12	23	ND<0.25	ND<0.25	6.0	ND, except TBA= 8.6
04/17/07	7.9, a, b	92, a	14	23	ND<0.5	1.5	5.9	ND<0.5, except TBA = 8.0
01/18/07	6.4, b	94	22	29	1.3	2.1	9.6	ND<0.5, except TBA = 12
11/14/06	21, a, b	100, a	23	37	1.0	2.2	11	ND<0.5 except, TBA= 16, Ethanol ND<5.0, Methanol ND<50.0

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds with no recognizable pattern.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW3 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
06/29/06	12,b	36	27	14	ND<0.5	ND<0.5	ND<0.5	ND<0.5, except TBA = 11
02/03/06	22,b	86	24	26	ND<0.5	1.7	6	ND<0.5, except TBA = 11
11/18/05	32,a,b	87,a	22	35	ND<1	2	11	ND<1.0, except TBA ND<10
07/28/05	77,a,b	100,a	32,+	30	1.1	2.3	12	ND<0.5, except TBA = 13
04/13/05	19,a,b	96,a	28	31	4	2.3	12	ND<0.5, except TBA = 12
01/31/05	13,a,b	93,a	31	36	1.5	2.5	11	ND<1, except TBA = 24
10/15/04	13,a,b	76,a	24	28	ND<0.5	1.1	3.6	ND<0.5, except TBA = 18
07/13/04	57,a,b	98,a	15	28	2.9	1.7	8.9	ND<0.5, except TBA = 11
04/6/04	32,a,b	81,a	17	34	5.9	1.5	9.9	ND<0.5, except TBA = 8.8
12/18/03	32,a,b	130,a	32	33	5.4	0.72	11	ND<0.5, except TBA = 17

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
***Review of laboratory analytical reports indicate that oxygenated volatile organic compounds (including TAME, DIPE, ETBE, methanol, ethanol, EDB, and 1,2-DCA) were not detected except MTBE at 21 ppm and tert-butanol at 19 ppm.
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW3 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
09/18/03	140,a,b	130	23	34	11	2.5	14	ND<0.5, except TBA = 10
06/26/03	27,a,b	96	21	29	5.2	2.0	10	ND, except TBA = 8.9
03/18/03	11,a,b	120	16	36	12	1.8	2.4	ND, except TBA = 5.1
12/21/02	21,a,b	110	33	34	9.3	2.0	13	ND, except TBA = 14
09/10/02	43,b	70	19	21	2.2	1.6	7.6	--
03/30/02	8.5,a,b	170	26	40	17	2.6	16	--
12/22/01	9.2,a,b	140	27	37	20	2.6	15	--
09/23/01	47,a,b	130	26	32	9.1	2.4	12	--
06/22/01	33,a,b	110	25	31	7.2	1.9	11	--
04/22/01	61,a	140	24	25	5.4	1.7	11	--
12/14/00	120,a,b	140	35	37	16	2.4	15	--
09/18/00	43,a,b	130	33	39	91	2.3	14	--
07/26/00	--	--	21	--	--	--	--	ND***, except tert-butanol = 19
06/8/00	74,a,b	130	23	41	16	1.9	13	--
03/9/00	14,a,b	180	24	39	22	2.5	16	--
12/9/99	17,a,b	120	16	35	6.7	2.4	12	--
08/31/99	22,b	120	4.7	35	3.7	2.4	14	--
04/29/99	48,b	100	2.5	33	8.0	2.1	14	--
01/29/99	240,b	84	1.3	31	2.8	1.8	12	--
04/26/98	380,b	100	9.7	29	7.1	1.8	14	--
01/24/98	77,b	97	ND	28	7.1	1.8	11	--
11/6/97	120,b	140	ND	37	19	2.4	14	--
07/24/97	91,c	120	1.4	33	17	2.2	12	--
04/25/97	760,b	240	1.6	24	18	4.1	24	--
01/21/97	34,c	150	1.3	40	14	2.6	12	--
07/26/96	24,c	130	0.89	40	22	2.4	12	--

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
** Inorganic lead not detected in sample.
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW3 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
04/23/96	280,c	170	0.72	34	22	2.2	14	--
01/29/96	45,c	150	0.54	32	21	1.9	12	--
10/26/95	33	130	0.69	37	21	0.21	11	--
07/28/95	1.9,b	86	--	1.4	2.3	0.62	3.2	--
05/2/95	9.7,b	170	--	43	30	2.5	14	--
02/24/95	9.2	130	--	31	19	1.8	10	--
11/18/94	23	140	--	38	22	2.0	11	--
07/22/94	5.3	170	--	35	20	1.8	10	--
05/19/94	30	150	--	38	25	2.4	14	--
02/28/94	210	110	--	36	21	1.9	11	--
11/24/93	24	160	--	48	26	2.2	12	--
07/30/93	32	130	--	36	21	1.9	8.2	--
05/18/93	7.2	130	--	36	21	2.1	12	--
02/23/93	8.1	110	--	31	18	1.9	11	--
11/13/92	4.7	140	--	38	24	2.0	12	--
05/27/92	27	370	--	91	57	3.0	21	--
07/14/92	270	130	--	76	30	3.4	21	--
12/23/91	540	740	--	30	61	31	180	--
11/25/91	74	150	--	65	31	3.4	18	--
10/10/91	39	140	--	57	31	2.2	14	--
09/17/91	140	180	--	47	25	2.6	15	--
08/19/91	150	170	--	82	31	4.4	22	--
07/20/91	270	450	--	46	29	3.5	21	--
06/20/91	210	920	--	39	49	13	69	--
05/17/91	70	170	--	32	22	2.2	18	--
04/15/91	--	110	--	31	15	0.88	7.4	--
03/21/91	--	87	--	30	14	0.69	5.4	--
02/15/91	--	230	--	44	40	ND	31	--
01/14/91	--	160	--	48	25	1.0	16	--
09/27/90	--	25	--	7.2	6.4	0.42	3.4	--
08/23/90	--	220	--	67	46	27	18	--
07/20/90	86	--	--	9.1	14	0.94	13	--
03/19/90	--	210	--	38	28	1.8	12	--
02/20/90**	--	46	--	20	15	1.8	9.7	--

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
** Inorganic lead not detected in sample.
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW4

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/16/08	Not Sampled (Free Product Present in Well)							
04/16/08	Not Sampled (Free Product Present in Well)							
01/17/08	Not Sampled (Free Product Present in Well)							
10/16/07	Not Sampled (Free Product Present in Well)							
07/25/07	Not Sampled (Free Product Present in Well)							
04/17/07	Not Sampled (Free Product Present in Well)							
01/18/07	Not Sampled (Free Product Present in Well)							
11/14/06	Not Sampled (Free Product Present in Well)							
06/29/06	83,a,b	140,a	31	44	13	2.6	19	ND<1.0, except TBA = ND<10
02/3/06	83,a,b	150,a	22	35	12	3.2	14	ND<0.5, except TBA = 7
11/18/05	Not Sampled (Free Product Present in Well)							
07/28/05	94,a,b	130,a	27,+	32	8.9	2.9	14	ND<0.5, except TBA = 8.4

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW4 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
04/13/05	Not Sampled (Free Product Present in Well)							
01/31/05	Not Sampled (Free Product Present in Well)							
10/15/04	Not Sampled (Free Product Present in Well)							
07/13/04	Not Sampled (Free Product Present in Well)							
02/11/04	Free Product sampled. Laboratory fuel fingerprint notes a pattern resembling diesel, with a less significant gasoline-range pattern.							
12/18/03	Not Sampled (Free Product Present in Well)							
09/18/03	Not Sampled (Free Product Present in Well)							
06/26/03	Not Sampled (Free Product Present in Well)							
03/18/03	Not Sampled (Free Product Present in Well)							
12/21/02	Not Sampled (Free Product Present in Well)							
09/10/02	Not Sampled (Free Product Present in Well)							
03/30/02	Not Sampled (Free Product Present in Well)							
12/22/01	Not Sampled (Free Product Present in Well)							
09/23/01	Not Sampled (Free Product Present in Well)							
06/22/01	440,a,b	140	15	35	19	2.0	10	--
04/22/01	Not Sampled (Free Product Present in Well)							
12/14/00	Not Sampled (Free Product Present in Well)							
09/18/00	Not Sampled (Free Product Present in Well)							
06/8/00	Not Sampled (Free Product Present in Well)							
03/9/00	2,100,a,b	130	6.9	35	13	2.1	11	--
12/9/99	9,000,a,b	120	8.1	33	6	2.4	12	--
08/31/99	9.4,b	190	4.4	46	30	2.8	15	--
04/29/99	9.4,b	210	3.2	42	35	2.8	15	--
01/29/99	7.3,b	190	2.4	44	40	3.1	17	--
04/26/98	13,b	190	ND	49	37	3.2	18	--
01/24/98	20,b	200	ND	50	40	3.1	17	--
11/6/97	110,b	160	ND	48	30	2.8	16	--
08/26/97	5.5,b	210	1.7	48	42	3.4	19	--
08/15/97	MW4 Installed							

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW5

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	ND<0.05	ND<0.05	0.0022	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
04/16/08	ND<0.05	ND<0.05	0.0039	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
12/13/07	ND<0.05	0.11	0.004	0.0053	0.0005	ND<0.0005	0.0051	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW6

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	5.7, c	88	ND<0.25	6.1	3.4	2.5	16.0	ND
04/16/08	6.5, c	51	ND<0.17	4.8	3.3	2.4	16.0	ND
12/13/07	6.2, c	66	ND<0.12	7.9	3.6	2.6	16.0	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results contain significant gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW7

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/16/08	0.078, b	0.28	0.0070	0.059	ND<0.001	0.0083	0.0013	ND
04/15/08	0.077, b	0.17	0.0048	0.048	0.0015	0.013	0.0050	ND
12/13/07	ND<0.050	ND<0.050	0.0093	ND<0.0005	ND<0.0005	ND<0.0005	0.00083	ND, except TBA = 0.014

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results contain significant gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW8

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/16/08	1.5, c	7.0	ND<0.005	0.053	ND<0.005	0.14	0.0071	ND
04/15/08	2.0, c	4.3	0.0065	0.063	ND<0.0025	0.11	0.0091	ND
12/13/07	1.5, c	6.2	0.011	0.057	ND<0.005	0.16	0.018	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results contain significant gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW9

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	ND<0.050	ND<0.050	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
04/16/08	ND<0.050	ND<0.050	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
12/13/07	ND<0.050	ND<0.050	ND<0.0005	0.001	ND<0.0005	ND<0.0005	0.0045	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW10

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	ND<0.050	ND<0.050	0.0015	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
04/16/08	ND<0.050	ND<0.050	0.0017	ND<0.0005	ND<0.0005	0.00060	0.00056	ND
12/13/07	ND<0.050	ND<0.050	0.0019	ND<0.0005	ND<0.0005	0.0015	0.0018	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW11

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/16/08	ND<0.050	ND<0.050	0.023	ND<0.0005	ND<0.0005	ND<0.000 5	ND<0.0005	ND
04/15/08	ND<0.050	ND<0.050	0.026	ND<0.0005	ND<0.0005	ND<0.000 5	ND<0.0005	ND
12/14/07	ND<0.050	ND<0.050	0.021	ND<0.0005	ND<0.0005	ND<0.000 5	ND<0.0005	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well MW12

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/16/08	0.089, b	0.44, f	0.0082	ND<0.0005	ND<0.0005	ND<0. 0005	ND<0.0005	ND
04/15/08	0.076, b	0.18, f	0.0091	ND<0.0005	ND<0.0005	ND<0. 0005	ND<0.0005	ND
12/13/07	0.200, c	0.320, f	0.011	ND<0.0005	ND<0.0005	ND<0. 0005	ND<0.0005	ND

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results contain significant gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds.
f = Laboratory analytical report note: TPH-G results have no recognizable pattern.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well EW1

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
07/17/08	6.9, b	16	7.6	4.1	ND<0.10	ND<0.10	0.65	ND, except TBA = 15
04/16/08	7.7, a, b	17, a	9.3	4.5	0.26	0.65	2.2	ND, except TBA = 15
01/17/08	13, b	24	16	4.6	1.2	0.52	3.7	ND, except TBA = 19
10/16/07	12, a, b	14, a	8.3	2.6	0.31	0.27	3.0	ND, except TBA = 15
07/25/07	7.7, a, e	11, a	14	3.2	ND<0.025	ND<0.025	2.6	ND, except TBA = 17
04/17/07	5.8, b	21	9.6	3.7	1.4	0.49	1.6	ND<0.1, except TBA = 18
01/18/07	0.93, b	0.93, d	0.60	0.0034	0.0050	ND< 0.0005	0.0041	ND< 0.050, except TBA= 6.8

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
c = Laboratory analytical report note: TPH-D results consist of gasoline-range compounds.
d= Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
e = Laboratory analytical report note: TPH-D results consist of oil-, gas, and diesel-range compounds with no recognizable pattern.
+ = Analyzed by EPA Method 8260.
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well EW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
11/14/06	1.8, b	0.87, d	0.17	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025 , except TBA= 5.9, Ethanol ND<2.5, Methanol ND<25.0
06/29/06	0.71,b	0.29	0.021	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01, Except TBA = 2.0
02/3/06	1.2,b	0.79	3.1	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05, Except TBA = 13
11/18/05	1.2,a	0.9	2	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05, Except TBA = 18
07/28/05	1.8,b	1.2	17,+	0.033	0.0051	0.00056	0.0059	ND<0.25, except TBA = 22
04/13/05	2.2,b	0.38	2.7	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05, except TBA = 1.6

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
+ = Analyzed by EPA Method 8260.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
e = Laboratory analytical report note: reporting limit raised due to high MTBE content
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well EW1 (Continued)

Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260*
01/31/05	3.4,b	1.9	38	ND<1	ND<1	ND<1	ND<1	ND<1, except TBA = 32
10/15/04	4.1,a,b	ND<5.0,a,e	96	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7, except TBA = 97
07/13/04	3.3,a,b	2.6,a	73	ND<1.2	ND<1.2	ND<1.2	ND<1.2	ND<1.2, except TBA = 40
04/6/04	3.4,a,b	2.6,a	72	ND<1	ND<1	ND<1	ND<1	ND<1, except TBA = 34
12/18/03	3.0,b	ND<5.0,e	160	0.22	ND<50	ND<50	0.073	ND<5, except TBA = 64
09/18/03	8.2,a,b	7.5	220	0.33	ND<0.05	ND<0.05	ND<0.05	ND<2.5, except TBA = 51
02/23/93	9.6	66	--	14	8.5	1.4	9.8	--
11/13/92	13	62	--	11	9.2	1.1	9.6	--
08/92	EW1 Installed							

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
+ = Analyzed by EPA Method 8260.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
e = Laboratory analytical report note: reporting limit raised due to high MTBE content
* = This column summarizes results for analysis using EPA Method 8260 for non-MTBE fuel oxygenates (TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well OW1

Date	TPH-D	TPH-G	TPH-MO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260, including MTBE**
07/16/08				No sample recovered				
04/15/08				No sample recovered				
01/17/08	29, a,b	6.9, a, i	8.8	0.48	ND<0.01	0.041	0.023	ND, except TBA = 0.097
10/16/07				No sample recovered				
07/25/07				No sample recovered				
04/17/07				No sample recovered				
01/18/07				No sample recovered				
11/14/06				No sample recovered				
06/29/06	290,b	24	--	--	--	--	--	--
02/3/06	710a,g	31,a	210	--	--	--	--	--
11/18/05	820,b	370	--	0.13	ND<0.025	0.4	0.29	ND<0.025 TBA<0.25
07/28/05	230,a,b	10,a	--	1.3	0.03	0.19	0.072	ND<0.05, TBA ND<0.5
04/13/05	590a,b,d	35,a	--	2	ND<0.05	0.46	0.14	ND<0.05, TBA ND<0.5

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
d = Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
f = Laboratory analytical report note: unmodified or weakly modified gasoline is significant.
g = Fuel oil.
** = This column summarizes results for analysis using EPA Method 8260 for fuel oxygenates (MTBE, TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well OW1 (Continued)

Date	TPH-D	TPH-G	TPH-MO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260, including MTBE**
01/31/05				No sample recovered				
10/15/04				No sample recovered				
07/14/04	240,a,b	66,a	ND<0.05	1.8	ND<0.05	1.8	0.056	ND<0.05, TBA ND<0.5
04/6/04	74,a,b	50,a	--	3.1	ND<0.1	0.21	0.14	ND<0.1, TBA ND<1
02/11/04	450,a,b	15,a	130	2.2	0.031	0.16	0.054	ND<0.025, TBA ND<0.25
11/21/03	1,900,a,b	38,f	570	2.0	0.059	0.19	0.095	ND<0.05, TBA ND<0.5
06/10/98				OW1 Installed				

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
d = Laboratory analytical report note: TPH-D results consist of both oil-range and gasoline-range compounds.
f = Laboratory analytical report note: unmodified or weakly modified gasoline is significant.
g = Fuel oil.
** = This column summarizes results for analysis using EPA Method 8260 for fuel oxygenates (MTBE, TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well OW2

Date	TPH-D	TPH-G	TPH-MO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260, incl. MTBE**
07/16/08				No sample recovered				
04/15/08				No sample recovered				
01/17/08	--	0.14	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, Except MTBE = 0.0022 TBA = 0.011
10/16/07				No sample recovered				
07/25/07				No sample recovered				
04/17/07				No sample recovered				
01/18/07				No sample recovered				
11/14/06				No sample recovered				
06/29/06				No sample recovered				
02/3/06	0.37,b	0.14,h	ND<0.25	--	--	--	--	--
11/18/05				No sample recovered				
07/28/05				No sample recovered				
04/13/05	0.22,b	0.065	--	ND <0.0005	ND <0.0005	ND <0.0005	ND <0.0005	ND<0.0005, except MTBE = 0.0097

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
h = Laboratory analytical report note: heavier gasoline range compounds are significant (aged gasoline?).
* = This column summarizes results for analysis using EPA Method 8260 for fuel oxygenates (MTBE, TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

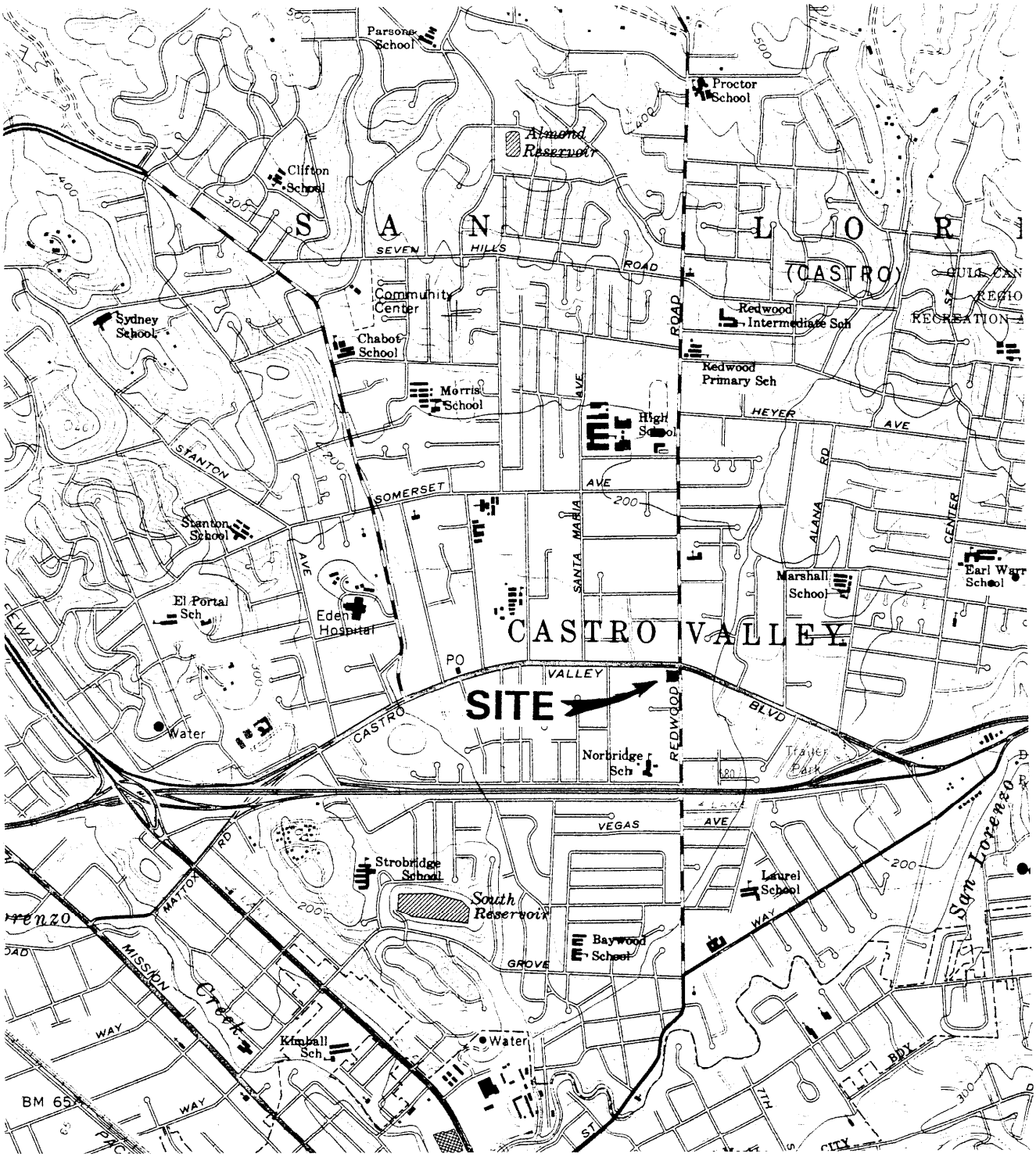
TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Well OW2 (Continued)

Date	TPH-D	TPH-G	TPH-MO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other Fuel Additives by 8260, incl. MTBE**
01/31/05				No sample recovered				
10/15/04				No sample recovered				
07/14/04				No sample recovered				
04/6/04	--	0.069,a	--	ND <0.00062	ND <0.00062	ND <0.00062	ND <0.00062	--
02/11/04	--	0.21	--	ND <0.0005	ND <0.0005	ND <0.0005	ND <0.0005	ND<0.0005, except MTBE = 0.0064 TBA = 0.0070
11/21/03				No sample recovered.				
06/10/98				OW2 Installed				

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
-- = Not Analyzed.
a = Laboratory analytical report note: lighter than water immiscible sheen present on the sample.
b = Laboratory analytical report note: TPH-D results consist of both diesel-range and gasoline-range compounds.
h = Laboratory analytical report note: heavier gasoline range compounds are significant (aged gasoline?).
* = This column summarizes results for analysis using EPA Method 8260 for fuel oxygenates (MTBE, TAME, DIPE, ETBE, and TBA) or lead scavengers (EDB, 1,2-DCA/EDC).
Results in milligrams per liter (mg/L), unless otherwise indicated.

FIGURES

P&D ENVIRONMENTAL, INC.
55 Santa Clara Avenue, Suite 240
Oakland, CA 94610
(510) 658-6916



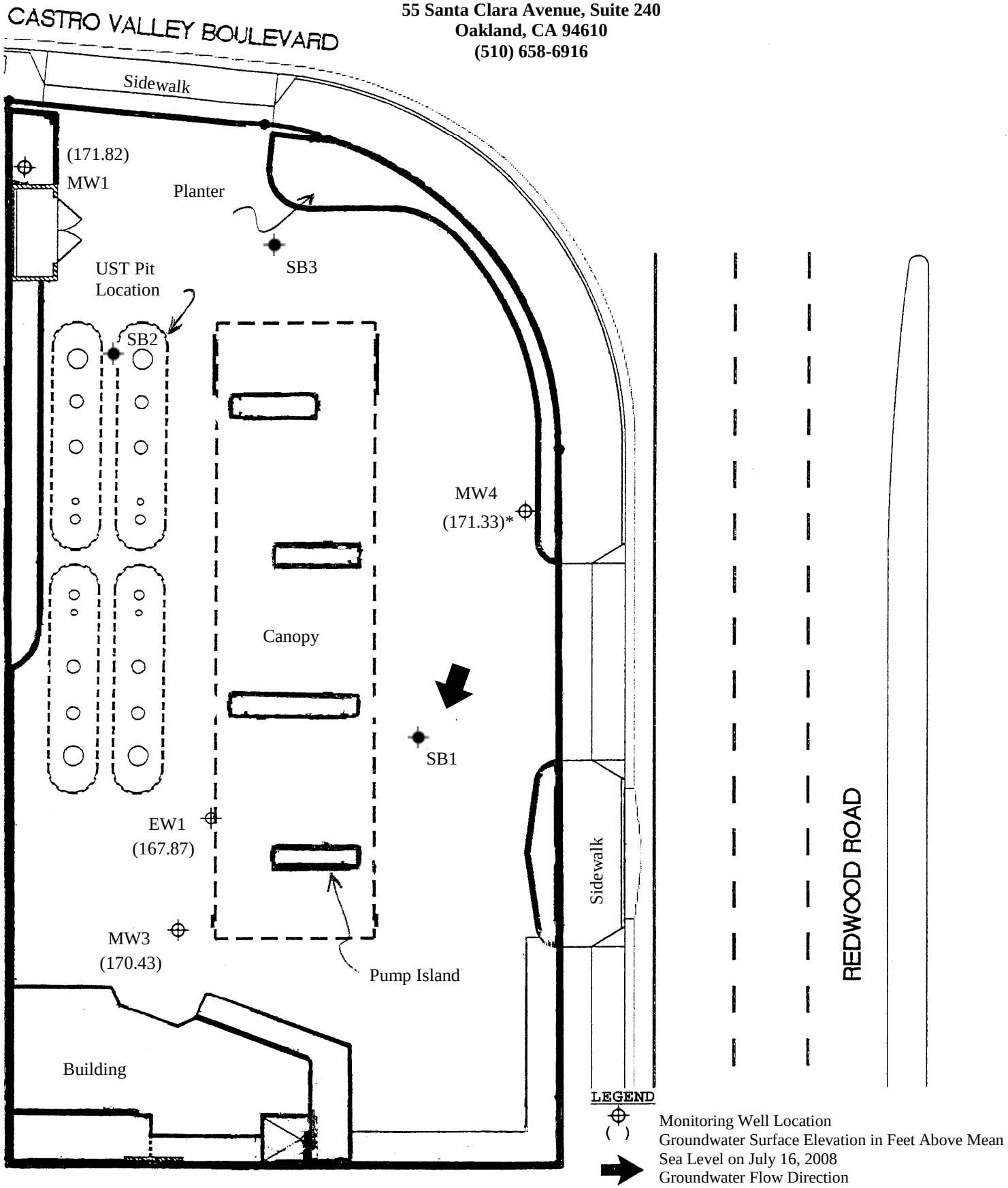
Base Map From:
U.S. Geological Survey
Hayward, Calif.
7.5 Minute Quadrangle
Photorevised 1980

North

0 1000 2000 3000
Scale In Feet

Figure 1
SITE LOCATION MAP
Xtra Oil Company
3495 Castro Valley Blvd.
Castro Valley, California

P&D ENVIRONMENTAL, INC.
55 Santa Clara Avenue, Suite 240
Oakland, CA 94610
(510) 658-6916



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

Figure 2 SITE PLAN
Xtra Oil Company
3495 Castro Valley Blvd
Castro Valley, CA

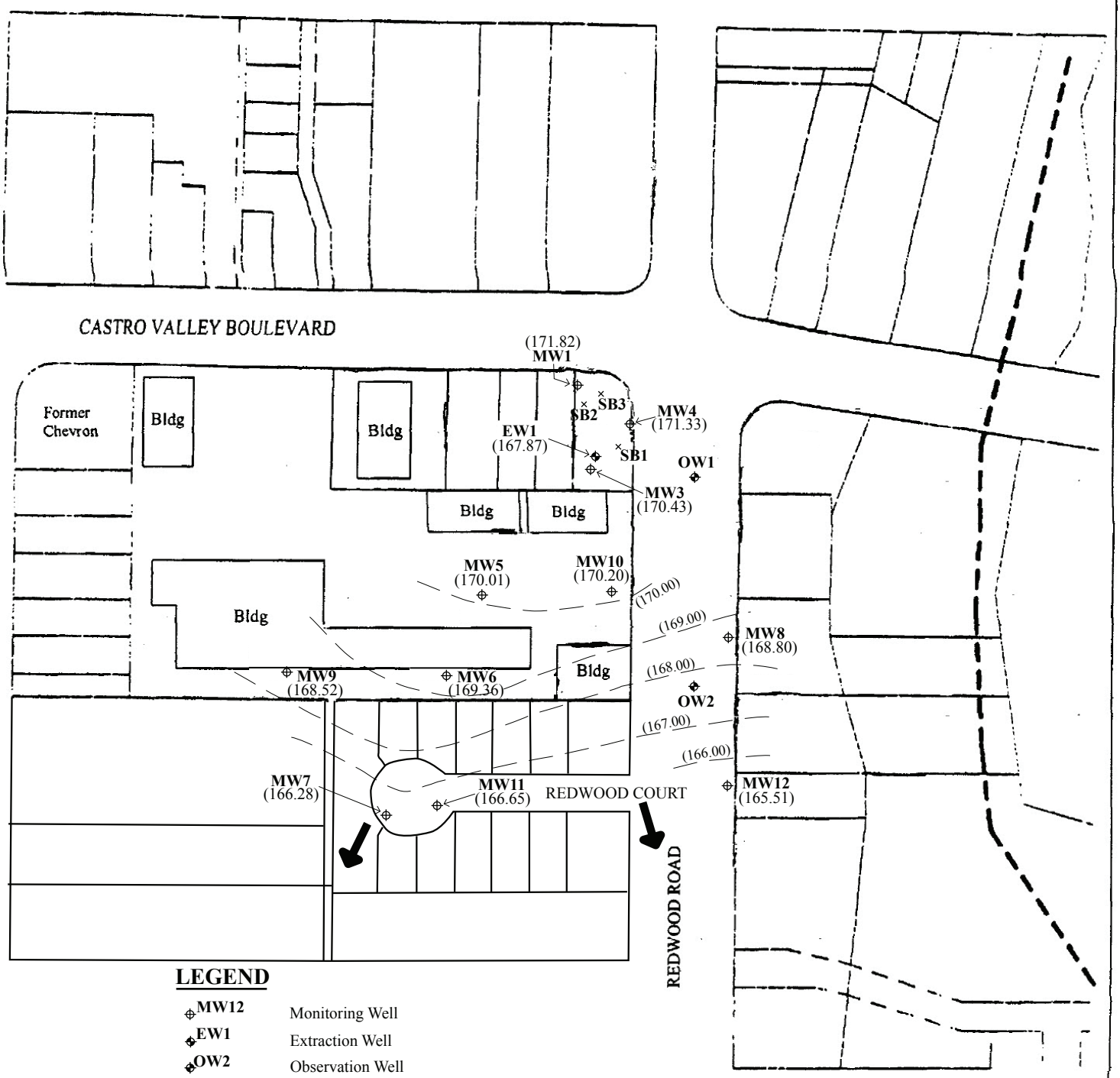


Figure 3
Site Vicinity Map Showing Groundwater Surface Contours
Xtra Oil Company
3495 Castro Valley Boulevard
Castro Valley, California

N

Base Map From:
Castro Valley Sanitation District

P&D Environmental, Inc.
55 Santa Clara Avenue, Suite 240
Oakland, CA 94610

0 100 200
SCALE IN FEET

WELL MONITORING AND PURGE DATA SHEETS

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW1
Job No. 0014
Date 7/17/08
TOC to Water (ft.) 8.40 (7/14/08)
Sheen ~~Ab~~ Sl Yes
Well Depth (ft.) 20.0
Free Product Thickness Ø
Well Diameter 4" (0.646)
Sample Collection Method
Gal./Casing Vol. 7.5
3vol=22.5
Disposable bailer

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µs/cm	
1158	2.5	6.97	23.8	898	
1200	5.0	6.92	22.4	877	
1202	7.5	6.94	22.1	870	
1203	~~Inc~~ 10.0	6.96	22.0	882	
1204	12.5	7.00	~~22.1~~ 22.1	891	
1208	15.0	6.97	22.4	894	well dewatering
1211	17.5	6.96	22.2	917	
1213	~~Stop 20.0~~ 22.5 Well	dewatered @ ~ 18.0 gallons			

NOTES: ~~No Sheen~~ Slight Lt-mod phc odor Sheen on sample
Sample time = 1215

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW3
Job No. 0014
Date 7/17/08
TOC to Water (ft.) 9.03 (7/16/08)
Sheen Yes
Well Depth (ft.) 18.6
Free Product Thickness Ø
Well Diameter 4" (0.646)
Sample Collection Method
Gal./Casing Vol. 6.2
Disposable bailer
3 vol = 18.6

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µs/cm
1412	2.0	6.80	23.6	1,820
1415	4.1	6.82	21.9	1,800
1419	6.2	6.81	21.5	1,853
1422	8.2	6.80	21.2	1,848
1425	10.3	6.80	20.9	1,841
1431	12.4	6.80	20.5	1,808
1435	~~14.4~~ ~~16.5~~ ~~18.6~~	well dewatered @ ~ 13 gallons		

NOTES: Strong odor; sheen
sample time ⇒ 1450 hrs

PURGE10.92

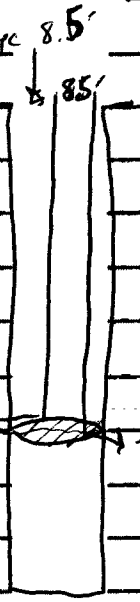
sph ✓

471

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW 4
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 8.04
Sheen N/A
Well Depth (ft.) —
Free Product Thickness 0.16
Well Diameter 4"
Sample Collection Method
Gal./Casing Vol. No Sample/Sph encountered
No Sample/Sph encountered

TIME	GAL. PURGED	pH	TEMPERATURE	ELECTRICAL CONDUCTIVITY



SJC

8.5' = 102"

12 8.5'-8" = 7.83'

8 8.5'-5.5" = 8.04'

96

6

102

FP thickness = 0.21'

FP correction = 0.21 x .75 = 0.16'

Corrected water level =

8.04 - 0.16 = 7.88

NOTES: No Sample Collected Sph Encountered

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castrovalley
Well No. MW5
Job No. 0014
Date 7/17/08
TOC to Water (ft.) 6.01 (7/16/08)
Sheen No
Well Depth (ft.) 21.8
Free Product Thickness Ø
Well Diameter 2" (0.16)
Sample Collection Method
Gal./Casing Vol. 2.6
Disposable bailer
3vol: 7.8

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µS/cm
1046	0.9	6.93	23.8	652
1048	1.8	6.87	22.1	642
1050	2.6	6.85	21.4	643
1052	3.5	6.83	21.1	647
1054	4.4	6.80	20.4	658
1056	5.2	6.80	20.5	652
1058	6.1	6.80	20.4	647
1100	7.0	6.79	20.3	647
1102	7.8	6.80	20.2	648

NOTES: No sheen or odor.
Sample time ⇒ 1110 hrs

PURGE10.92

(6)

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW6
Job No. 0014
Date 7/17/08
TOC to Water (ft.) 5.88 (7/16/08
Sheen yes
Well Depth (ft.) 10.5
Free Product Thickness Ø
Well Diameter 2"(0.16)
Sample Collection Method
Gal./Casing Vol. 0.8
Disposable bailer
3 vol = 2.4

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µs/cm
1528	0.3	6.82	27.4	1,076
1530	0.6	6.83	26.8	1,069
1531	0.8	6.83	26.6	1,088
1532	1.1	6.83	26.2	1,081
1534	1.4	6.87	26.0	1,089
1535	1.6	6.89	25.9	1,083
1536	1.9	6.86	25.7	1,068
1537	2.2	6.85	25.4	1,081
1538	2.4	6.82	25.2	1,071

NOTES: Sheen & lt - moderate phc odor
Sample time ⇒ 1540hrs

(4)

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW7
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 4.06 (7/16/08)
Sheen No
Well Depth (ft.) 10.2
Free Product Thickness Ø
Well Diameter 2" (0.16)
Sample Collection Method
Gal./Casing Vol. 1.0
3vol = 3.0 gallons

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µS/cm
1433	0.3	7.29	24.4	1,084
1435	0.6	7.32	25.1	1,037
1437	1.0	7.38	25.4	1,032
1439	1.3	7.32	25.4	1,038
1440	1.6	7.29	25.2	1,046
1441	2.0	7.28	25.0	1,048
1442	2.3	7.26	24.8	1,050
1445	2.6		24.5	1,044
	~~3.0~~		~~24.3~~	
	Well dewatered @ ~2.75 gallons			

NOTES: No sheen + no odor
Sample time @ 1630 hrs

PURGE10.92

(3)

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW8
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 7.20 (7/16/08)
Sheen No
Well Depth (ft.) 14.4
Free Product Thickness Ø
Well Diameter 2" (0.16)
Sample Collection Method
Gal./Casing Vol. 1.2
Disposable bailer
3vol = 3.6

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY mS/cm
1533	0.4	7.03	22.3	815
1535	0.8	6.95	22.3	791
1537	1.2	6.95	21.9	823
1538	1.6	6.94	21.8	862
1540	2.0	6.92	21.5	894
1541	2.4	6.92	21.5	908
1542	2.8	6.93	21.5	947
1544	3.2	6.93	21.4	~~949~~ sic 949
1546	3.6	6.90	21.3	951

NOTES: No Sheen; lt-phc odor
Sample time @ 1555

PURGE10.92

(1)

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Job No. 0014
TOC to Water (ft.) 6.57 (7/16/08)
Well Depth (ft.) 21.3
Well Diameter 2" (0.16)
Gal./Casing Vol. 2.4
3 vol = 7.2

Well No. MW9
Date ~~7/16/08~~ 5,c 7/17/08
Sheen No
Free Product Thickness Ø
Sample Collection Method
Disposable bailer

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µs/cm	
1603	0.8	7.13	23.7	1,005	
1606	1.6	7.18	22.6	1,039	
1608	2.4	7.22	21.4	1,035	
1610	3.2	7.17	21.1	1,011	
1612	4.0	7.12	20.8	995	
1614	4.8	7.10	20.7	991	well dewatering
1616	5.6	7.07	20.8	991	
1618	6.4	7.03	20.9	998	
1620	7.2	7.07	20.9	991	fast recharge

NOTES: No sheen & no odor
Sample time => ~~1625 hrs~~ 1635 hrs

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name ~~XtraOil~~/Castro Valley
Job No. 0014
TOC to Water (ft.) 5.83 (7/14/08)
Well Depth (ft.) 21.6
Well Diameter 2" (0.16)
Gal./Casing Vol. 2.6
3vol = 7.8

Well No. MW10
Date 7/17/08
Sheen No
Free Product Thickness Ø
Sample Collection Method
Disposable bailer

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µS/cm
1001	0.8	6.93	23.9	839
1004	1.6	6.93	23.3	833
1006	2.6	6.90	22.1	847
1008	3.4	6.91	22.0	852
1010	4.2	6.94	21.8	867
1013	5.2	6.96	21.6	870
1015	6.0	6.91	21.5	869
1017	6.8	6.89	21.6	868
1019	7.8	6.87	21.7	871

NOTES: No sheen & No odor
Completion => 1030 hrs

PURGE10.92

(2)

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW11
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 4.38 (7/16/08)
Sheen No
Well Depth (ft.) 14.4
Free Product Thickness Ø
Well Diameter 2" (0.16)
Sample Collection Method
Gal./Casing Vol. 1.6
Disposable bailer
3 vol = 4.8

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µs/cm
1409	~~0.5~~ 0.5	7.13	26.3	1,029
1412	~~1.5~~ 1.0	7.31	26.2	989
1415	1.6	7.34	23.5	1,017
1417	2.1	7.34	23.1	1,022
1419	2.6	7.32	22.7	1,018
1421	3.2	7.31	22.4	1,017
1423	3.7	7.32	22.0	1,016
1425	~~4.0~~ sic 4.8	well dewatered	@ ~ 4.0 gallons	

NOTES: No sheen & no odor
sample time @ 1605 4 voas 1 Amber

PURGE10.92

(3)

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. MW12
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 8.47 (7/16/08)
Sheen No
Well Depth (ft.) 12.5
Free Product Thickness Ø
Well Diameter 2"(0.16)
Sample Collection Method
Gal./Casing Vol. 0.65
Disposable bailer
3Vol=1.95

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY ms/cm
1505	0.2	7.20	23.9	736
1506	0.4	sic ~~7~~ 7.18	24.0	738
1508	0.6	7.14	23.0	740
1510	0.8	7.11	22.9	756
1511	1.0	7.05	22.6	~~776~~ sic 779
1512	1.2	7.04	22.5	782
1513	1.4	7.02	~~22.4~~ sic 22.3	789
1515	1.6	7.03	22.2	796
1516	1.8	7.01	22.2	795
1517	2.0	7.00	22.2	792

NOTES: No sheen, H phc odor + mod. sulfur odor
Sample time @ 1520 hr

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley

Well No. EW1

Job No. 0014

Date 7/17/08

TOC to Water (ft.) 11.40 (7/16/08

Sheen yes

Well Depth (ft.) 13.2

Free Product Thickness Ø

Well Diameter 8" (2.584)

Sample Collection Method Disposable bailer

Gal./Casing Vol. 4.7

3 vol = 14.1

TIME	GAL. PURGED	pH	TEMPERATURE °C	ELECTRICAL CONDUCTIVITY µs/cm
1311	~~1.2~~ 1.5	6.69	23.0	953
1317	~~sic~~ 3.0	6.66	20.8	948
1322	4.7	6.68	20.7	923
1325	6.2	6.67	20.6	921
1329	7.7	6.69	20.6	919
1333	9.4	6.67	20.5	911
1337	10.9	6.68	20.6	912
1340	12.4	6.69	20.5	918
1343	14.1	6.71	20.4	925

NOTES:

sheen & mod-strong phc odor

sample time => 1355

PURGE10.92

Ask PHK
about no purge

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil / Castro Valley
Well No. OW1
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 6.95
Sheen N/A
Well Depth (ft.) 7.2
Free Product Thickness Ø
Well Diameter 1"
Sample Collection Method
Gal./Casing Vol. N/A
No Sample / not enough water

TIME	GAL. PURGED	pH	TEMPERATURE	ELECTRICAL CONDUCTIVITY
	Insufficient water to Sample			
		No Sample Collected		
			S,C	

NOTES: Bladder on DTW indicator probe

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Xtra Oil/Castro Valley
Well No. OW2
Job No. 0014
Date 7/16/08
TOC to Water (ft.) 7.1
Sheen N/A
Well Depth (ft.) ~~7.3~~ sic 7.1'
Free Product Thickness Ø
Well Diameter 1"
Sample Collection Method
Gal./Casing Vol. N/A
No Sample / Not enough water

TIME	GAL. PURGED	pH	TEMPERATURE	ELECTRICAL CONDUCTIVITY
	No Sample Collected;			
	Insufficient		water to sample	
			sic	

NOTES:

PURGE10.92

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0014; Xtra Oil/Castro Valley	Date Sampled: 07/16/08-07/17/08
		Date Received: 07/18/08
	Client Contact: Steve Carmack	Date Reported: 07/25/08
	Client P.O.:	Date Completed: 07/24/08

WorkOrder: 0807476

July 25, 2008

Dear Steve:

Enclosed within are:

1) The results of the **11** analyzed samples from your project: **#0014; Xtra Oil/Castro Valley,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

P & D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

0807476 CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
0014	Xtra Oil/Castro Valley

SAMPLED BY: (PRINTED AND SIGNATURE) Steve Carmack

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-MultiF (G,D,MO)	MBTEX, Fuel Oxygenates + Pb Scavengers	PRESERVATIVE	REMARKS
MW1	7/17/08	1715	H_2O		7	X	X	ICE	Normal Turnaround Time
MW3	"	1450			7	X	X		
MW5	"	1110			7	X	X		
MW6	"	1540			7	X	X		
MW7	7/16/08	1630			7	X	X		
MW8	"	1565			7	X	X		
MW9	7/17/08	1635			7	X	X		
MW10	"	1030			7	X	X		
MW11	7/16/08	1605			5	X	X		
MW12	"	1520			7	X	X		
EW1	7/17/08	1355			7	X	X		

(+)(+)(+)(+)(+)(+)(+)(+)(+)(+)(+)

ICE/t° 3.9°C ✓
GOOD CONDITION ✓
HEADSPACE ABSENT ✓
DECHLORINATED IN LAB ✓
PRESERVATION ✓

APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB NO

VOAS	O&G	METALS	OTHER
✓			✓

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	7/18/08	250	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	7/18/08	1530	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 11
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 75

LABORATORY: McCampbell Analytical
LABORATORY CONTACT: Angela Rydelius
LABORATORY PHONE NUMBER: (877) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

Results ~~and billing~~ to:
P&D Environmental, Inc.
lab@pdenviro.com

+ Results + billing to
xtraoil@hotmail.com

REMARKS: All bottles preserved w/ HCL

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0807476 **ClientCode: PDEO**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Steve Carmack
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0014; Xtra Oil/Castro Valley

Bill to:
Accounts Payable
Xtra Oil Company
2307 Pacific Avenue
Alameda, CA 94501

Requested TAT: 5 days

Date Received: **07/18/2008**
Date Printed: **07/23/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0807476-001	MW1	Water	7/17/2008 12:15	☐	A	B										
0807476-002	MW3	Water	7/17/2008 14:50	☐	A	B										
0807476-003	MW5	Water	7/17/2008 11:10	☐	A	B										
0807476-004	MW6	Water	7/17/2008 15:40	☐	A	B										
0807476-005	MW7	Water	7/16/2008 16:30	☐	A	B										
0807476-006	MW8	Water	7/16/2008 15:55	☐	A	B										
0807476-007	MW9	Water	7/17/2008 16:35	☐	A	B										
0807476-008	MW10	Water	7/17/2008 10:30	☐	A	B										
0807476-009	MW11	Water	7/16/2008 16:05	☐	A	B										
0807476-010	MW12	Water	7/16/2008 15:20	☐	A	B										
0807476-011	EW1	Water	7/17/2008 13:55	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	MBTEXOXY-8260B_W	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A contain testgroup.

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **P & D Environmental**

Date and Time Received: **7/18/2008 7:35:14 PM**

Project Name: **#0014; Xtra Oil/Castro Valley**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0807476** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.9°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0014; Xtra Oil/Castro Valley	Date Sampled: 07/16/08-07/17/08
55 Santa Clara, Ste.240		Date Received: 07/18/08
	Client Contact: Steve Carmack	Date Extracted: 07/21/08-07/23/08
Oakland, CA 94610	Client P.O.:	Date Analyzed 07/21/08-07/23/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Cm Work Order: 0807476

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	MW1	W	16,000,d1	20	112
002A	MW3	W	63,000,d1,b6	20	84
003A	MW5	W	ND	1	94
004A	MW6	W	88,000,d1	50	110
005A	MW7	W	280,d1	1	106
006A	MW8	W	7000,d1	1	113
007A	MW9	W	ND	1	97
008A	MW10	W	ND	1	100
009A	MW11	W	ND	1	109
010A	MW12	W	440,d9	1	99
011A	EW1	W	16,000,d1	50	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/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:

b6) lighter than water immiscible sheen/product is present
d1) weakly modified or unmodified gasoline is significant
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0014; Xtra Oil/Castro Valley	Date Sampled: 07/16/08-07/17/08
		Date Received: 07/18/08
55 Santa Clara, Ste.240	Client Contact: Steve Carmack	Date Extracted: 07/23/08-07/24/08
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/23/08-07/24/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807476

Lab ID	0807476-001B	0807476-002B	0807476-003B	0807476-004B	Reporting Limit for DF =1	
Client ID	MW1	MW3	MW5	MW6		
Matrix	W	W	W	W		
DF	50	2000	1	500	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<25	ND<1000	ND	ND<250	NA	0.5
Benzene	210	24,000	ND	6100	NA	0.5
t-Butyl alcohol (TBA)	ND<100	6100	ND	ND<1000	NA	2.0
Diisopropyl ether (DIPE)	ND<25	ND<1000	ND	ND<250	NA	0.5
Ethylbenzene	1000	ND<1000	ND	2500	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<25	ND<1000	ND	ND<250	NA	0.5
Methyl-t-butyl ether (MTBE)	ND<25	5100	2.2	ND<250	NA	0.5
Toluene	160	ND<1000	ND	3400	NA	0.5
Xylenes	1600	4100	ND	16,000	NA	0.5
Surrogate Recoveries (%)						
%SS1:	102	103	99	103		
%SS2:	103	104	105	104		
%SS3:	100	104	106	102		
Comments		b6				

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

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Lab ID	0807476-005B	0807476-006B	0807476-007B	0807476-008B	Reporting Limit for DF =1	
Client ID	MW7	MW8	MW9	MW10		
Matrix	W	W	W	W		
DF	2	10	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.0	ND<5.0	ND	ND	NA	0.5
Benzene	59	53	ND	ND	NA	0.5
t-Butyl alcohol (TBA)	ND<4.0	ND<20	ND	ND	NA	2.0
Diisopropyl ether (DIPE)	ND<1.0	ND<5.0	ND	ND	NA	0.5
Ethylbenzene	8.3	140	ND	ND	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.0	ND<5.0	ND	ND	NA	0.5
Methyl-t-butyl ether (MTBE)	7.0	ND<5.0	ND	1.5	NA	0.5
Toluene	ND<1.0	ND<5.0	ND	ND	NA	0.5
Xylenes	1.3	7.1	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	103	102	93	94		
%SS2:	103	104	97	98		
%SS3:	104	101	101	103		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/23/08-07/24/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807476

Lab ID	0807476-009B	0807476-010B	0807476-011B		Reporting Limit for DF =1	
Client ID	MW11	MW12	EW1			
Matrix	W	W	W			
DF	1	1	200		S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND<100		NA	0.5
Benzene	ND	ND	4100		NA	0.5
t-Butyl alcohol (TBA)	ND	ND	15,000		NA	2.0
Diisopropyl ether (DIPE)	ND	ND	ND<100		NA	0.5
Ethylbenzene	ND	ND	ND<100		NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND	ND<100		NA	0.5
Methyl-t-butyl ether (MTBE)	23	8.2	7600		NA	0.5
Toluene	ND	ND	ND<100		NA	0.5
Xylenes	ND	ND	650		NA	0.5
Surrogate Recoveries (%)						
%SS1:	97	97	103			
%SS2:	100	98	97			
%SS3:	106	105	104			
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

DHS ELAP Certification 1644

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		Date Received: 07/18/08
55 Santa Clara, Ste.240	Client Contact: Steve Carmack	Date Extracted: 07/18/08
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/19/08-07/22/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0807476

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0807476-001A	MW1	W	4300,e4	ND	1	118
0807476-002A	MW3	W	19,000,e4,e1,b6	5500	5	109
0807476-003A	MW5	W	ND	ND	1	106
0807476-004A	MW6	W	5700,e4	ND<2500	10	129
0807476-005A	MW7	W	78,e4,e2	ND	1	105
0807476-006A	MW8	W	1500,e4	ND	1	113
0807476-007A	MW9	W	ND	ND	1	118
0807476-008A	MW10	W	ND	ND	1	112
0807476-009A	MW11	W	ND	ND	1	111
0807476-010A	MW12	W	89,e4,e2	ND	1	107
0807476-011A	EW1	W	6900,e4,e1	ND<2500	10	126

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/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:

b6) lighter than water immiscible sheen/product is present
e1) unmodified or weakly modified diesel is significant
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37067 WorkOrder: 0807476

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0807515-007A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	94	92.7	1.35	100	95.6	4.97	70 - 130	20	70 - 130	20
MTBE	ND	10	99.1	110	10.7	108	104	3.76	70 - 130	20	70 - 130	20
Benzene	ND	10	99.6	107	7.24	96.2	94.2	2.13	70 - 130	20	70 - 130	20
Toluene	ND	10	88.6	95.8	7.77	95.9	93.6	2.40	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	97	102	4.50	101	99.7	1.11	70 - 130	20	70 - 130	20
Xylenes	ND	30	95.5	95.6	0.132	113	110	2.48	70 - 130	20	70 - 130	20
%SS:	94	10	100	109	8.09	94	93	0.931	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37067 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807476-001A	07/17/08 12:15 PM	07/22/08	07/22/08 8:20 AM	0807476-002A	07/17/08 2:50 PM	07/22/08	07/22/08 8:53 AM
0807476-002A	07/17/08 2:50 PM	07/23/08	07/23/08 6:08 AM	0807476-003A	07/17/08 11:10 AM	07/22/08	07/22/08 6:42 AM
0807476-004A	07/17/08 3:40 PM	07/21/08	07/21/08 8:27 PM	0807476-005A	07/16/08 4:30 PM	07/21/08	07/21/08 9:27 PM
0807476-006A	07/16/08 3:55 PM	07/21/08	07/21/08 6:56 PM	0807476-007A	07/17/08 4:35 PM	07/21/08	07/21/08 7:26 PM
0807476-008A	07/17/08 10:30 AM	07/21/08	07/21/08 7:57 PM	0807476-009A	07/16/08 4:05 PM	07/21/08	07/21/08 8:57 PM
0807476-010A	07/16/08 3:20 PM	07/21/08	07/21/08 11:59 PM	0807476-011A	07/17/08 1:55 PM	07/22/08	07/22/08 12:29 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37044 WorkOrder 0807476

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0807462-001B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	101	112	9.93	108	104	3.95	70 - 130	30	70 - 130	30
Benzene	ND	10	85.3	94.3	10.1	91.8	88.2	3.99	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	6.4	50	93.2	117	20.6	97.6	92.8	5.01	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	107	118	9.60	112	107	4.07	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	93.8	104	10.7	101	98.3	2.35	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	100	109	8.20	105	101	3.39	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	103	114	10.7	109	106	2.53	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	101	114	12.2	109	105	4.26	70 - 130	30	70 - 130	30
Toluene	1.3	10	88.6	102	12.2	99.7	96.3	3.40	70 - 130	30	70 - 130	30
%SS1:	108	25	96	101	4.96	98	98	0	70 - 130	30	70 - 130	30
%SS2:	100	25	102	106	3.48	105	105	0	70 - 130	30	70 - 130	30
%SS3:	92	25	103	106	2.67	105	105	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37044 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807476-001B	07/17/08 12:15 PM	07/23/08	07/23/08 10:41 PM	0807476-002B	07/17/08 2:50 PM	07/23/08	07/23/08 11:24 PM
0807476-003B	07/17/08 11:10 AM	07/23/08	07/23/08 3:55 AM	0807476-004B	07/17/08 3:40 PM	07/24/08	07/24/08 12:07 AM
0807476-005B	07/16/08 4:30 PM	07/24/08	07/24/08 12:51 AM	0807476-006B	07/16/08 3:55 PM	07/24/08	07/24/08 1:34 AM
0807476-007B	07/17/08 4:35 PM	07/23/08	07/23/08 5:30 AM	0807476-008B	07/17/08 10:30 AM	07/23/08	07/23/08 6:09 AM
0807476-009B	07/16/08 4:05 PM	07/23/08	07/23/08 6:02 AM	0807476-010B	07/16/08 3:20 PM	07/23/08	07/23/08 6:46 AM
0807476-011B	07/17/08 1:55 PM	07/24/08	07/24/08 11:44 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37045 WorkOrder 0807476

EPA Method SW8015C **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	100	101	0.434	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	98	98	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37045 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807476-001A	07/17/08 12:15 PM	07/18/08	07/19/08 4:49 PM	0807476-002A	07/17/08 2:50 PM	07/18/08	07/22/08 3:29 AM
0807476-003A	07/17/08 11:10 AM	07/18/08	07/22/08 5:45 AM	0807476-004A	07/17/08 3:40 PM	07/18/08	07/19/08 9:22 PM
0807476-005A	07/16/08 4:30 PM	07/18/08	07/22/08 6:53 AM	0807476-006A	07/16/08 3:55 PM	07/18/08	07/19/08 9:22 PM
0807476-007A	07/17/08 4:35 PM	07/18/08	07/19/08 10:30 PM	0807476-008A	07/17/08 10:30 AM	07/18/08	07/19/08 11:39 PM
0807476-009A	07/16/08 4:05 PM	07/18/08	07/20/08 12:47 AM	0807476-010A	07/16/08 3:20 PM	07/18/08	07/19/08 8:14 PM
0807476-011A	07/17/08 1:55 PM	07/18/08	07/19/08 11:39 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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