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June 15, 2006

Don Hwang
Alameda County Environmental Health
1311 Harbor Bay Pkwy, Ste 250
Alameda, California 94502-6577

Subject: **Fuel Leak Case No. RO0000261, Express Gas & Mart, 2951 High Street, Oakland, California 94619**

Dear Mr. Hwang:

Enclosed is the *Quarterly Verification Monitoring Report, Second Quarter 2006* for the subject LUFT site. This report is sent in response to your May 5, 2006 request for one more groundwater sampling event prior to considering the site for case closure.

Five rounds of verification monitoring have now been completed. MtBE is the only constituent of concern and is significantly below the site-specific threshold level (SSTL). The site no longer poses a potential threat to groundwater quality and we recommend case closure.

Please call me at (925) 937-1759 if you have any questions or comments in regard to this report.

Very truly yours,

Cook Environmental Services, Inc.

Tim Cook, P.E., CEG
Principal

cc: Aziz Kandahari, Himalaya Trading Company
Dave Charter, UST Cleanup Fund
Cherie McCaulou, San Francisco Bay RWQCB

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QUARTERLY VERIFICATION MONITORING REPORT
Second Quarter 2006

PROJECT SITE:
Express Gas & Mart
2951 High Street
Oakland, California 94619

PREPARED FOR:
Mr. Aziz Kandahari
Himalaya Trading Company
2951 High Street
Oakland, California 94619

SUBMITTED TO:
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

PREPARED BY:
Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, California 94597

Project No. 1004

June 15, 2006

PROFESSIONAL CERTIFICATION

QUARTERLY VERIFICATION MONITORING REPORT

Second Quarter 2006

Express Gas & Mart
2951 High Street
Oakland, California 94619

Cook Environmental Services, Inc.
Project No. 1004
June 15, 2006

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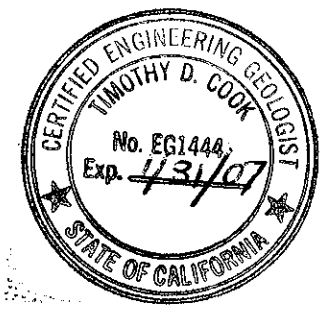
The conclusions presented in this document are professional opinions based solely upon the stated scope of work and the interpretation of available information as described herein. Such information may include third party data that either has not, or could not be independently verified. Cook Environmental Services, Inc. recognizes that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs or requirements of other potential users, including public agencies not directly involved. Any use or reuse of this document or the findings, conclusions, and recommendations presented herein is at the sole risk of said user.

Tim Cook, P.E., CEG
Principal



INTRODUCTION

This report presents the results of the second quarter 2006 verification monitoring program for the Express Gas & Mart located at 2951 High Street in Oakland, California (the "Site"). Subsurface contamination was caused by accidental releases from underground storage tanks (USTs) that were replaced in 2001. The site has undergone several corrective action efforts including soil excavation and offsite disposal and the installation of an ozone sparge system. This report summarizes site characterization and remediation activities to support case closure.

The sampling described herein was undertaken in response to a request from Alameda County Environmental Health (ACEH) in a letter dated May 5, 2006 to Mr. Aziz Kandahari, the responsible party for the site. The letter requested one more round of quarterly groundwater monitoring to review the site for case closure. The last time groundwater monitoring was completed was October 4, 2005. A request for case closure was submitted to ACEH on October 20, 2005.

The contaminant investigation and corrective action were conducted by Cook Environmental Services, Inc. (CES) on behalf of the responsible party. The local oversight program (LOP) agency overseeing this case is ACEH. Groundwater monitoring was conducted on May 24, 2006.

PHYSICAL SETTING

Site Location

The Site is a retail gasoline station and convenience store located on the corner of High Street and Penniman Avenue, in southeastern Oakland, California. The Site location is shown on **Figure 1** and Site features are depicted on **Figure 2**. Neighboring land use is commercial and residential.

Topography and Drainage

The Site is located about 3½ miles east of San Francisco Bay. The Site location is near the base of the Oakland Hills, at a surface elevation of approximately 132 feet above mean sea level (amsl). Hilly topography occurs directly south and east of the Site. The ground surface at the Site slopes gently toward High Street, but the regional topography slopes southwesterly from the Oakland Hills. The nearest surface water body is Peralta Creek, located approximately ½ mile north-northeast of the Site.

Geology and Soils

The Site area is located on an alluvial apron that extends northwest and southeast between the San Francisco Bay on the west and the Diablo Range on the east. The active Hayward Fault forms a structural boundary between the alluvial apron and the Diablo Range. Surficial sediments are Holocene-age alluvial fan and fluvial deposits (Helley, E.J. and Graymer, R.W., 1997). These sediments are gravelly sand and sandy gravel that grade into sand and silty clay. The nearby hilly

areas directly south and east of the Site are underlain by similar, though older, deposits of Pleistocene age.

Soil borings were drilled and sampled and monitoring wells were installed at the Site in March and April 2003. Soils encountered in the 25-foot deep borings were gravelly to sandy silts with some interbedded silts, sandy clays and silty fine sands. Groundwater was observed in two of the four borings, at depths of 16 feet below grade (fbg) and 4 fbg. The latter boring was drilled offsite, within the High Street right-of-way.

Groundwater

The Site is within the San Francisco Bay regional watershed. The Quaternary alluvial deposits of the region host beneficial use aquifers. Slightly less than half the region's water supply is derived from groundwater. The balance is obtained from imported surface water. The water bearing unit at the Site is primarily gravelly clay. The porosity of the water bearing zone is secondary. Groundwater moves primarily through fractures in the gravelly clay. Static water levels in the onsite monitoring wells range from about 2 to 9 fbg, depending upon the season. Water level data indicate the direction of groundwater flow ranges from southerly to southwesterly. Field measurements of specific conductance (SC) among the monitoring wells range from approximately 400 to 2,000 microsiemens.

PROJECT BACKGROUND

Groundwater monitoring has been conducted periodically at the Site since early 1995. Groundwater quality was impacted by petroleum hydrocarbons such as benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tert-butyl ether (MtBE). A report by Aqua Science Engineers, Inc. (ASE), dated November 14, 2000, indicates that 2,550 pounds of oxygen releasing compound (ORC®) slurry was injected into borings along the northern and eastern side of the former USTs in June 1997. The ORC® apparently increased the dissolved oxygen (DO) concentrations in the five nearby monitoring wells for approximately one year. Contaminant concentrations decreased slightly in well MW-5 during that period. ORC® socks were installed in wells MW-4 and MW-5 in August 1998 after the DO concentrations declined. The ORC® socks were removed in September 2000 after proving ineffective at reducing petroleum hydrocarbon concentrations in groundwater.

A Tier 2 Risk-Based Corrective Action (RBCA) analysis was performed for the Site by Christopher Palmer in August 1997. The RBCA was conducted to develop site-specific threshold levels for petroleum hydrocarbon contaminants in soil and groundwater (SSTLs are listed in **Table 3**). The RBCA was reviewed and commented on by Alameda County. Alameda County approved the RBCA in a letter dated October 21, 1997.

On February 28, 2001, soil samples were collected along a product line leading to the fuel dispensers in front of the convenience mart during the installation of new dispensers. All of the soil samples yielded detectable concentrations of petroleum hydrocarbons. Total petroleum

hydrocarbons as gasoline (TPH-g) was detected at concentrations ranging from 71 milligrams per kilogram (mg/kg) to 3,600 mg/kg. A *Site Investigation Work Plan* dated March 26, 2001 was submitted to the ACEH. The work plan described methods and procedures to conduct a soil and groundwater investigation around the fuel dispensers. The ACEH approved the work plan and requested that the USTs and contaminated soils be removed and disposed.

Six soil borings were drilled and sampled in late April 2001. Sample results from the borings yielded TPH-g concentrations in soil up to 4,000 mg/kg and in groundwater up to 78,000 micrograms per liter (µg/L), confirming that petroleum hydrocarbons had impacted soil and groundwater. The dispenser pumps, product lines, and four steel gasoline USTs were excavated and removed from the Site by W.A. Craig, Inc. in May 2001. The USTs were inspected and appeared to be in good condition. However, soil samples from the base and the sides of the UST excavation yielded TPH-g concentrations up to 1,700 mg/kg on the west sidewall of the excavation at 8 fbg. W.A. Craig, Inc. excavated approximately 3,700 tons of hydrocarbon contaminated soil between May 9 and September 27, 2001. The soil was disposed of at the B&J Class II Landfill in Vacaville, California. The excavation area is shown on **Figure 2**.

Following Site restoration and re-opening of the Express Gas & Mart, little additional activity occurred until March 2003, when four new monitoring wells were installed to replace wells removed during excavation. Monitoring well construction information is summarized in **Table 1**. Quarterly groundwater monitoring was resumed in April 2003. The wells had not been sampled since the September 2000 sampling reported by ASE. The April 2003 analytical data indicated that MtBE was above the SSTL of 8,400 µg/L in wells MW-5 and MW-7.

Based on the April 2003 groundwater sampling results, W.A. Craig, Inc. recommended corrective action to remediate the subsurface contamination at the Site to below SSTLs. A *Feasibility Study/Corrective Action Plan* dated July 28, 2003 and an *Addendum to Corrective Action Plan* dated September 10, 2003 were submitted to ACEH. The ACEH approved the installation of an OS system in a letter dated February 18, 2004.

An OS system consisting of ten ozone-sparge wells and a control panel began operating on April 14, 2004. Prior to startup, monitoring wells MW-5, MW-7, MW-8, and MW-9 were purged and sampled to determine baseline concentrations. Except for brief periods of mechanical failure or maintenance, the system operated continuously from April 14, 2004 until January 3, 2005.

Tim Cook of CES called Bob Schultz, the former ACEH caseworker for the Site on November 19, 2004 to discuss Site closure. Mr. Schultz requested a *Verification Monitoring Work Plan* describing methods and procedures to ensure the Site is no longer a risk to groundwater quality. This work plan was submitted to ACEH on November 26, 2004. Mr. Schultz conditionally approved the work plan during a phone conversation on January 19, 2005. The OS system was turned off on January 3, 2005 and verification monitoring began on January 4, 2005. The ACEH has yet to review or comment on the *Verification Monitoring Work Plan.*

The *Verification Monitoring Plan* directed that site monitoring wells be sampled for four quarters prior to requesting closure. This is the fifth quarterly sampling event. Concentrations in all eight monitoring wells remained below the SSTLs for seven consecutive quarterly sampling events (since May 8, 2004). The OS system is responsible for reducing these concentrations.

SCOPE OF WORK

The scope of work performed during this quarter included the following tasks:

- Measured static water levels in eight monitoring wells;
- Collected and analyzed quarterly verification monitoring groundwater samples from eight monitoring wells;
- Collected field measurements from eight monitoring wells including water level, DO concentrations, temperature, pH, and specific conductance;
- Analyzed groundwater samples for TPH-g, BTEX, MtBE, DIPE, EtBE, tAME, tBA, methanol, ethanol, EDB, and DCA (see ***Laboratory Analyses*** section of this report for chemical names and analytical methods used);
- Maintained the California State Water Resources Control Board Geographical Environmental Information Management System (GeoTracker) database;
- Prepared this *Verification Monitoring Report.*

FIELD PROCEDURES

Groundwater Level Measurements

CES measured water levels in Site monitoring wells on May 24, 2006 using an electronic water level indicator. Water levels were recorded on monitoring well sampling logs included in **Appendix A**. Prior to taking the measurements, the wells were uncapped and water levels were allowed to equilibrate with atmospheric pressure for at least 30 minutes. Water level measurements were referenced to the surveyed top of the well casings. The depth-to-water measurements were used to calculate the standing water volume and the amount of water to be purged prior to collecting a sample. The depth to water and surveyed wellhead elevations were also used to determine the static groundwater elevations and flow direction.

Purging and Sampling

All eight monitoring wells were sampled on May 24, 2006. At least three well casing volumes were purged from each well before collecting groundwater samples. Wells were purged using clean disposable polyethylene bailers. The DO concentration, pH, temperature, and SC of the groundwater were intermittently monitored with portable instrumentation during purging. Field measurements were recorded on the monitoring well sampling logs in **Appendix A**.

Upon completion of purging activities, a groundwater sample was collected from each well with a dedicated disposable bailer. The groundwater samples were decanted from the bailer into laboratory-supplied, 40-ml volatile organic analysis (VOA) vials preserved with hydrochloric acid. Care was taken to ensure that the vials were completely filled to avoid headspace volatilization of dissolved petroleum hydrocarbons. Each sample vial was labeled with the well ID. Samples were stored on ice and submitted under chain-of-custody control to McCampbell Analytical Inc. of Pacheco, California (DHS certification number 1644).

Samples were analyzed for TPH-g using EPA Method 8015C (modified), for BTEX and MtBE using EPA Method 8021B, and for MtBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (EtBE), tert-amyl methyl ether (tAME), tert-butyl alcohol (tBA), methanol, ethanol, ethylene dibromide (EDB), and 1,2-dichloroethane (DCA) using EPA Method 8260B. Discussions in this report cite MtBE concentrations determined by EPA Method 8260B, which is considered a more accurate analysis than Method 8021B.

DATA EVALUATION

Groundwater Levels and Elevations

Water level data for Site monitoring wells are summarized in **Table 2**. The surveyed top-of-casing (TOC) elevations and the depth to water measurements were used to calculate groundwater elevations in the monitoring wells. Water levels in wells ranged from 4.95 feet below TOC in MW-1 to 7.80 feet below TOC in MW-7. Groundwater elevations ranged from 120.72 feet above mean sea level (msl) in well MW-10 to 126.69 feet above msl in MW-1. Groundwater elevations increased an average of 2.56 feet since the last quarterly monitoring event on October 4, 2005. Groundwater elevations for all eight monitoring wells are shown on **Figure 3**. The groundwater gradient was calculated using static water elevations in wells MW-3, MW-8, and MW-9. On May 24, 2005 the groundwater flow direction was S 1° W with a gradient of 0.045 feet per foot (ft/ft). On October 4, 2005 the groundwater flow direction was S 15° W with a gradient of 0.007. Hydrographs for all eight monitoring wells are presented on **Figure 4**.

Quarterly Groundwater Monitoring Results

The only petroleum hydrocarbon constituent detected in Site wells this quarter was MtBE. As in previous sampling events, MtBE was detected in wells MW-1, MW-3, MW-5, MW-7, MW-8, MW-

9 and MW-10. MtBE concentrations were significantly below the SSTL of 8,400 ug/L. Groundwater analytical results are summarized in **Table 3**. Laboratory analytical reports are included in **Appendix B**.

The highest MtBE concentration was 410 µg/L and was observed in well MW-8, which is located near the intersection of High Street and Penniman Avenue. MtBE was detected in this same well at 320 µg/L during the last sampling event. MtBE concentrations in the monitoring wells on May 24, 2006 are shown on **Figure 5**. Since startup of the OS system on April 14, 2004 petroleum hydrocarbon concentrations in the wells closest to the former USTs that previously yielded the highest hydrocarbon concentrations (wells MW-5, MW-7, and MW-9) have shown a remarkable decrease.

A slight rebound in MtBE concentrations when compared to the previous sampling event was observed in wells MW-3, MW-5, MW-7, MW-8 and MW-9. MtBE concentrations decreased in wells MW-1 and MW-10. MtBE has never been detected in well MW-6. Graphs of MtBE concentrations in wells MW-3, MW-5, MW-7 and MW-8 are shown on **Figure 6**. The MtBE concentration in well MW-3 has decreased two orders of magnitude since the OS system began operation, while MtBE concentrations in MW-5 and MW-7 have decreased three to four orders of magnitude. Graphs of MtBE concentrations in wells MW-1, MW-9 and MW-10 are shown on **Figure 7**.

TPH-g and BTEX constituents were not detected in any monitoring well this quarter. Previously benzene had been detected in wells MW-5 and MW-7 at concentrations above the SSTL of 34 µg/L. Graphs of benzene concentrations versus time in wells MW-5 and MW-7 are shown on **Figure 8**.

Baseline DO concentrations were measured in wells MW-1, MW-3, MW-5 and MW-7 on April 14, 2004. The average baseline DO concentration was approximately 0.22 milligrams per liter (mg/L). The average DO concentration in these same wells was 5.54 mg/L on January 4, 2005 5.83 mg/L on April 5, 2005, 6.93 mg/L on July 6, 2005, 6.11 mg/L on October 4, 2005 and 4.58 mg/L on May 24, 2006. DO concentrations remain significantly above baseline concentrations, which suggest that residual DO is from the OS system. DO concentrations in monitoring wells are summarized in **Table 4**.

GeoTracker Requirements

Laboratory data were submitted electronically to the GeoTracker database as required by AB2886 (Water Code Sections 13195-13198). Electronic analytical reports (EDF files) are prepared and formatted by the laboratory and submitted by CES. Groundwater elevations in Site wells (GEO_WELL file) were submitted and this report will also be submitted in PDF format (GEO_Report file).

CONCLUSIONS

The OS system began operation on April 14, 2004 and ceased operation on January 3, 2005. Verification monitoring began on January 4, 2005 in accordance with the *Verification Monitoring Work Plan* to ensure that concentrations of constituents of concern remain below SSTLs. This work plan proposed to cease monitoring and consider the site for closure if constituents of concern remained below SSTLs for three monthly sampling events. Bob Schultz of ACEH requested verification monitoring for one hydrologic cycle (i.e., one year) during a phone conversation with Tim Cook on February 9, 2005. Five quarterly verification monitoring events have now been completed.

Results of this investigation are consistent with previous reports in that MtBE is the constituent of concern and in general, concentrations are decreasing with time. Constituents of concern have remained below their respective SSTLs since May 26, 2004. Quarterly groundwater monitoring of all eight monitoring wells on May 24, 2006 verify that constituents of concern remain below SSTLs for the twelfth straight sampling event. TPH-g and BTEX were not detected in any well this quarter.

There was a slight increase in MtBE concentrations this quarter in wells MW-3, MW-5, MW-7, MW-8 and MW-9. There was decrease in MtBE concentrations this quarter in wells MW-1 and MW-10. The MtBE concentration in downgradient well MW-10 decreased significantly from 490 ug/L in October 2005 to 95 ug/L in May 2006. This indicates that MtBE concentrations are decreasing downgradient of the site due to dispersion and biodegradation. MtBE was not detected in upgradient well MW-6. The highest MtBE concentration this quarter was 410 µg/L detected in well MW-8. This concentration is significantly below the SSTL of 8,400 ug/L.

DO concentrations remain substantially above baseline levels in wells MW-1, MW-3, MW-5 and MW-7. The increased DO concentrations indicate that residual oxygen from the OS system is causing biodegradation (i.e., natural attenuation) of the remaining dissolved hydrocarbons.

RECOMMENDATIONS

Concentrations of all constituents of concern have remained below their respective SSTLs for the last twelve consecutive sampling events. The ozone sparge treatment system was turned off on January 3, 2005. Five quarterly verification monitoring events have been completed (i.e., more than one hydrologic cycle) and there has been no significant rebound of contaminant concentrations. Based on these findings, the site is a low risk to groundwater quality. We strongly recommend case closure. A Case Closure Summary for this Site was submitted previously. We have responded to three rounds of requests from ACEH for more information over the last eight months. There is adequate information to justify case closure.

TABLES

Table 1
Monitoring and Ozone-Sparge Well Construction Information
2951 High Street
Oakland, California

Well ID	Date Installed	Casing Diameter (inches)	Total Depth (fbg)	Screened Interval (fbg)	Water-Bearing Unit	Top of Casing Elevation (feet amsl)	Northing (feet)	Easting (feet)
MW-1	2/95	2	25	N/A	N/A	131.64	2,112,552.39	6,070,038.16
MW-3	2/95	2	25	N/A	N/A	131.05	2,112,539.60	6,070,048.55
MW-5	12/9/1996	2	30	5-30	N/A	131.99	2,112,582.04	6,070,083.59
MW-6	1/7/1997	2	30	5-30	N/A	132.58	2,112,662.53	6,070,113.49
MW-7	3/24/2003	2	25	15-25	gravelly sandy silt	130.93	2,112,533.18	6,070,106.31
MW-8	3/24/2003	2	25	15-25	gravelly sandy silt	131.15	2,112,527.86	6,070,153.72
MW-9	3/25/2003	2	25	15-25	silty gravelly sand	130.00	2,112,484.75	6,070,065.55
MW-10	4/4/2003	2	25	15-25	sandy silt	127.19	2,112,393.29	6,069,984.72
SP-1	3/25/2004	3/4	37	30.5-33	clayey sand	130.39	2,112,529.17	6,070,105.65
SP-2	3/25/2004	3/4	31	26.5-29	sandy clay	130.07	2,112,534.87	6,070,118.37
SP-3	3/24/2004	3/4	32	28.5-31	gravelly sandy clay	130.66	2,112,541.87	6,070,131.76
SP-4	3/25/2004	3/4	33	14.5-17	gravelly sandy clay	130.51	2,112,541.66	6,070,102.66
SP-5	3/26/2004	3/4	30	20-22.5	clayey gravelly sand	130.55	2,112,553.75	6,070,115.66
SP-6	3/26/2004	3/4	30	21.5-24	clayey sandy gravel	130.88	2,112,564.81	6,070,106.43
SP-7	3/26/2004	3/4	30	25.5-28	gravelly sand	131.20	2,112,575.20	6,070,106.74
SP-8	3/26/2004	3/4	31	28.5-31	gravelly sandy clay	130.98	2,112,569.95	6,070,091.53
SP-9	3/25/2004	3/4	33	25-27.5	clayey sand	130.85	2,112,562.57	6,070,080.59
SP-10	3/26/2004	3/4	30	21.5-24	gravelly clay	131.23	2,112,578.47	6,070,085.11

Notes:

MW denotes monitoring wells. SP denotes sparge wells.

fbg = feet below grade; amsl = above mean sea level; N/A = data not available.

Monitoring wells surveyed by Virgil Chavez Land Surveying on April 15, 2003.

Ozone-sparge wells surveyed by Virgil Chavez Land Surveying on April 22, 2004.

MW-1, MW-3, MW-5, and MW-6 were installed by Aqua Science Engineers, Inc.

MW-7, MW-8, MW-9, MW-10, and SP-1 through SP-10 were installed by W.A. Craig, Inc.

Table 2
Groundwater Elevations in Monitoring Wells
2951 High Street
Oakland, California

Well ID	Date	TOC Elevation	DTW	Groundwater Elevation
MW-1	04/04/03	131.64	5.07	126.57
	07/16/03		7.32	124.32
	10/28/03		9.16	122.48
	01/13/04		4.03	127.61
	04/14/04		5.37	126.27
	04/29/04		5.55	126.09
	05/13/04		6.24	125.40
	05/26/04		6.61	125.03
	06/10/04		7.08	124.56
	07/08/04		7.49	124.15
	10/01/04		8.38	123.26
	01/03/05		2.12	129.52
	04/05/05		5.41	126.23
	07/06/05		5.52	126.12
	10/04/05		8.17	123.47
	05/24/06		4.95	126.69
MW-3	04/04/03	131.05	5.86	125.19
	07/16/03		7.86	123.19
	10/28/03		9.43	121.62
	01/13/04		5.76	125.29
	04/14/04		6.72	124.33
	04/29/04		6.81	124.24
	05/13/04		7.62	123.43
	05/26/04		7.80	123.25
	06/10/04		8.17	122.88
	07/08/04		8.34	122.71
	10/01/04		9.41	121.64
	01/03/05		4.19	126.86
	02/03/05		5.41	125.64
	03/04/05		3.90	127.15
	04/05/05		6.75	124.30
	07/06/05		6.70	124.35
	10/04/05		8.65	122.40
	05/24/06		6.17	124.88
MW-5	04/04/03	131.99	6.94	125.05
	07/16/03		8.17	123.82
	10/28/03		9.43	122.56
	01/13/04		6.27	125.72
	04/14/04		6.79	125.20
	04/29/04		7.35	124.64
	05/13/04		7.71	124.28
	05/26/04		7.66	124.33
	06/10/04		8.11	123.88
	07/08/04		8.38	123.61
	10/01/04		8.83	123.16
	01/03/05		4.96	127.03
	02/03/05		5.91	126.08
	03/04/05		4.48	127.51
	04/05/05		6.81	125.18
	07/06/05		7.54	124.45
	10/04/05		9.25	122.74
	05/24/06		7.16	124.83

Table 2
Groundwater Elevations in Monitoring Wells
2951 High Street
Oakland, California

Well ID	Date	TOC Elevation	DTW	Groundwater Elevation
MW-6	04/04/03	132.58	5.13	127.45
	07/16/03		7.99	124.59
	10/28/03		9.18	123.40
	01/13/04		5.97	126.61
	04/29/04		7.05	125.53
	07/08/04		8.01	124.57
	10/01/04		8.59	123.99
	01/03/05		4.25	128.33
	04/05/05		5.42	127.16
	07/06/05		7.15	125.43
	10/04/05		8.90	123.68
	05/24/06		6.77	125.81
MW-7	04/04/03	130.93	7.06	123.87
	07/16/03		8.11	122.82
	10/28/03		9.25	121.68
	01/13/04		6.80	124.13
	04/14/04		7.30	123.63
	04/29/04	*	20.80	110.13
	05/13/04	*	17.51	113.42
	05/26/04	*	18.79	112.14
	06/10/04	*	19.41	111.52
	07/08/04	*	13.92	117.01
	10/01/04	*	19.61	111.32
	01/03/05	*	7.25	123.68
	02/03/05	*	11.41	119.52
	03/04/05		5.05	125.88
	04/05/05	*	7.32	123.61
	07/06/05	*	12.20	118.73
	10/04/05	*	12.68	118.25
	05/24/06		7.80	123.13
MW-8	04/04/03	131.15	6.60	124.55
	07/16/03		7.79	123.36
	10/28/03		8.83	122.32
	01/13/04		6.02	125.13
	04/14/04		6.90	124.25
	04/29/04		7.25	123.90
	05/13/04		7.52	123.63
	05/26/04		7.71	123.44
	06/10/04		7.89	123.26
	07/08/04		7.45	123.70
	10/01/04		8.46	122.69
	01/03/05		4.40	126.75
	02/03/05		5.78	125.37
	03/04/05		4.40	126.75
	04/05/05		6.95	124.20
	07/06/05		7.12	124.03
	10/04/05		8.62	122.53
	05/24/06		6.73	124.42

Table 2
Groundwater Elevations in Monitoring Wells
2951 High Street
Oakland, California

Well ID	Date	TOC Elevation	DTW	Groundwater Elevation
MW-9	04/04/03	130.00	7.35	122.65
	07/16/03		8.50	121.50
	10/28/03		9.56	120.44
	01/13/04		6.83	123.17
	04/14/04		7.61	122.39
	04/29/04		8.23	121.77
	05/13/04		8.25	121.75
	05/26/04		8.44	121.56
	06/10/04		8.71	121.29
	07/08/04		8.68	121.32
	10/01/04		9.29	120.71
	01/03/05		5.30	124.70
	04/05/05		7.63	122.37
	07/06/05		8.02	121.98
	10/04/05		9.44	120.56
	05/24/06		7.57	122.43
MW-10	04/23/03	127.19	7.06	120.13
	07/16/03		7.72	119.47
	10/28/03		8.61	118.58
	01/13/04		6.15	121.04
	04/29/04		7.09	120.10
	07/08/04		7.84	119.35
	10/01/04		8.25	118.94
	01/03/05		4.60	122.59
	04/05/05		7.12	120.07
	07/06/05		7.11	120.08
	10/04/05		8.43	118.76
	05/24/06		6.47	120.72

Notes:
Elevations are in feet above mean sea level.
TOC, Top of casing. DTW, Depth to water in feet below TOC.
* Well MW-7 is under pressure from ozone sparging. The water level is artificially low.

Table 3
Analytical Results for Groundwater Samples
2951 High Street
Oakland, California

Well ID	Date	TPH-g	benzene	toluene	ethyl-benzene	xylenes	MtBE	DIPE	EtBE	tAME	tBA	methanol	ethanol	EDB	DCA
MW-1	02/23/95	<50	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
	05/26/95	<50	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
	08/23/95	<50	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
	04/04/03	<50	<0.5	<0.5	<0.5	<0.5	270	<5	<5	<5	<50	<5,000	<500	<5	<5
	07/16/03	<50	<0.5	<0.5	<0.5	<0.5	420	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	10/28/03	<50	<0.5	<0.5	<0.5	<0.5	1,200	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	01/13/04	58	0.85	<0.5	3.1	8.4	380	<0.5	<0.5	<0.5	<5.0	<50	<5	<0.5	<0.5
*	04/29/04	<50	<0.5	<0.5	<0.5	<0.5	260	<5	<5	<5	<50	<5,000	<500	<5	<5
	07/08/04	<50	<0.5	<0.5	<0.5	<1.0	341	<0.5	<1	<1	<10	NT	<100	<1.0	<0.5
	10/01/04	<50	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	33	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	44	<0.5	<0.5	<0.5	6.8	<500	<50	<0.5	<0.5
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	270	<5	<5	<5	<50	<5,000	<500	<5	<5
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	400	<5	<5	<5	<50	<5,000	<500	<5	<5
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	210	<5	<5	<5	<50	<5,000	<500	<5	<5
MW-3	02/23/95	<50	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
	05/26/95	<50	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
	08/23/95	<50	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
	04/04/03	<50	<0.5	<0.5	<0.5	<0.5	1,600	<25	<25	<25	<250	<25,000	<2,500	<25	<25
	07/16/03	<50	<0.5	<0.5	<0.5	<0.5	1,200	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	10/28/03	<50	<0.5	<0.5	<0.5	<0.5	1,400	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	01/13/04	<200	<2	<2	<2	<2	790	<2	<2	<2	<20	<200	<20	<2	<2
*	04/29/04	<50	<0.5	<0.5	<0.5	<0.5	140	<5	<5	<5	<50	<5,000	<500	<5	<5
	07/08/04	<50	<0.5	<0.5	<0.5	<1.0	24.3	<0.5	<1	<1	<10	NT	<100	<1.0	<1.0
	10/01/04	<50	<0.5	<0.5	<0.5	<0.5	4.0	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	49	<1.0	<1.0	<1.0	<10	<1000	<100	<1.0	<1.0
	02/03/05	<50	<0.5	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	03/04/05	<50	<0.5	<0.5	<0.5	<0.5	32	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	1.5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	44	<1.0	<1.0	<1.0	<10	<1000	<100	<1.0	<1.0
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	140	<5	<5	<5	<50	<5,000	<500	<5	<5

Table 3
Analytical Results for Groundwater Samples
2951 High Street
Oakland, California

Well ID	Date	TPH-g	benzene	toluene	ethyl-benzene	xylenes	MtBE	DIPE	EtBE	tAME	tBA	methanol	ethanol	EDB	DCA
MW-5	12/13/96	3,600	**180**	**350**	81	**510**	430	NT	NT	NT	NT	NT	NT	NT	NT
	03/27/97	120,000	**28,000**	**16,000**	**2,600**	**10,000**	**64,000**	NT	NT	NT	NT	NT	NT	NT	NT
**	06/27/97	6,300	**10,000**	**2,400**	**290**	**4,500**	**43,000**	NT	NT	NT	NT	NT	NT	NT	NT
	09/22/97	<50,000	7.9	3.3	0.6	3.3	**30,000**	NT	NT	NT	NT	NT	NT	NT	NT
	12/06/97	<5,000	33	12	<5	7.3	**33,000**	NT	NT	NT	NT	NT	NT	NT	NT
	03/23/98	29,000	**150**	160	130	320	**34,000**	NT	NT	NT	NT	NT	NT	NT	NT
	06/10/98	53,000	**7,000**	**2,400**	**540**	**3,400**	**67,000**	NT	NT	NT	NT	NT	NT	NT	NT
	07/23/98	36,000	**1,000**	**270**	<120	**740**	**51,000**	NT	NT	NT	NT	NT	NT	NT	NT
***	09/16/98	56,000	**3,400**	**1,300**	**430**	**1,800**	**84,000**	NT	NT	NT	NT	NT	NT	NT	NT
	11/23/98	63,000	**5,700**	**2,900**	**500**	**2,200**	**87,000**	NT	NT	NT	NT	NT	NT	NT	NT
	03/05/99	42,000	<250	<250	<250	<250	**38,000**	NT	NT	NT	NT	NT	NT	NT	NT
	06/17/99	37,000	**510**	85	5.6	89	**61,000**	NT	NT	NT	NT	NT	NT	NT	NT
	09/15/99	54,000	**8,500**	**1,800**	**420**	**2,400**	**55,000**	NT	NT	NT	NT	NT	NT	NT	NT
	12/09/99	34,000	**1,600**	230	130	**570**	**33,000**	NT	NT	NT	NT	NT	NT	NT	NT
	03/06/00	21,000	**7,800**	**870**	**440**	**2,100**	**30,000**	NT	NT	NT	NT	NT	NT	NT	NT
	06/07/00	<50,000	**11,000**	**890**	**570**	**3,000**	**68,000**	NT	NT	NT	NT	NT	NT	NT	NT
	09/18/00	40,000	**4,900**	<250	<250	**1,700**	**46,000**	NT	NT	NT	NT	NT	NT	NT	NT
	04/04/03	1,800	**560**	<5.0	<5.0	30	**19,000**	<330	<330	<330	<3,300	<330,000	<33,000	<330	<330
	07/16/03	2,800	**1,000**	<5	10	80	**16,000**	<200	<200	<200	<2,000	<200,000	<20,000	<200	<200
	10/28/03	740	**290**	<5.0	<5.0	7.2	**14,000**	<170	<170	<170	<1,700	<170,000	<17,000	<170	<170
	01/13/04	<500	**48**	<5	<5	<5	2,000	<5	<5	<5	<50	<500	<50	<5	<5
	04/14/04	6,600	**2,700**	<50	<50	260	**20,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
*	04/29/04	<500	6.3	<5	<5	7.8	**11,000**	<250	<250	<250	<2,500	<250,000	<25,000	<250	<250
	05/13/04	<50	<0.5	<0.5	<0.5	<0.5	3,000	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	05/26/04	<50	<0.5	<0.5	<0.5	<0.5	460	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	06/10/04	<50	<0.5	<0.5	<0.5	<0.5	38	<0.5	<0.5	<0.5	<5.0	<50	<5.0	<0.5	<0.5
	07/08/04	<50	1.5	<0.5	<0.5	<1.0	9.6	<0.5	<1	<1	<10	NT	<100	<1.0	<0.5
	10/01/04	<50	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	02/03/05	<50	<0.5	<0.5	<0.5	<0.5	4.2	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	03/04/05	<50	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	6.2	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	4.4	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5

Table 3
Analytical Results for Groundwater Samples
2951 High Street
Oakland, California

Well ID	Date	TPH-g	benzene	toluene	ethyl-benzene	xylenes	MtBE	DIPE	EtBE	tAME	tBA	methanol	ethanol	EDB	DCA
MW-6	01/13/97	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	03/27/97	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	06/27/97	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	09/22/97	<50	<0.5	<0.5	<0.5	<0.5	24	NT	NT	NT	NT	NT	NT	NT	NT
	12/06/97	94	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	03/23/98	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	06/10/98	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	07/23/98	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	09/16/98	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	03/05/99	55	<0.5	0.92	0.5	1.3	<5	NT	NT	NT	NT	NT	NT	NT	NT
	06/17/99	<50	<0.5	<0.5	<0.5	<0.5	8.0	NT	NT	NT	NT	NT	NT	NT	NT
	09/15/99	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	12/09/99	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	03/06/00	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	06/07/00	<50	<0.5	<0.5	<0.5	<0.5	<5	NT	NT	NT	NT	NT	NT	NT	NT
	04/04/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	07/16/03	<50	<0.5	<0.5	<0.5	<0.5	0.54	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	10/28/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	01/13/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<50	<5	<0.5	<0.5
*	04/29/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	07/08/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1	<1	<10	NT	<100	<1.0	<0.5
	10/01/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5

Table 3
Analytical Results for Groundwater Samples
2951 High Street
Oakland, California

Well ID	Date	TPH-g	benzene	toluene	ethyl-benzene	xylenes	MtBE	DIPE	EtBE	tAME	tBA	methanol	ethanol	EDB	DCA
MW-7	04/04/03	1,400	**54**	27	15	180	**26,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
	07/16/03	18,000	**1,100**	**630**	**1,100**	**2,000**	**13,000**	<200	<200	<200	<2,000	<200,000	<20,000	<200	<200
	10/28/03	10,000	**750**	**370**	**750**	**1,000**	**17,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
	01/13/04	7,200	**430**	150	**560**	**550**	**22,000**	<50	<50	<50	<500	<5000	<500	<50	<50
	04/14/04	8,900	**520**	**360**	**640**	**1,100**	**21,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
*	04/29/04	<500	<5	<5	<5	12	**12,000**	<250	<250	<250	<2,500	<250,000	<25,000	<250	<250
	05/13/04	660	<5.0	28	25	120	**10,000**	<170	<170	<170	<1,700	<170,000	<17,000	<170	<170
	05/26/04	380	<2.5	15	15	79	7,600	<200	<200	<200	<2,000	<200,000	<20,000	<200	<200
	06/10/04	<1,000	<10	<10	<10	<10	4,900	<10	<10	<10	300	<10,000	<100	<10	<10
	07/08/04	67	<0.5	<0.5	1.3	10	1,040	<0.5	<1	<1	<10	NT	<100	<1.0	<0.5
	10/01/04	85	<0.5	<0.5	0.63	6.0	2,300	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	130	<2.5	<2.5	<2.5	<25	<2500	<250	<2.5	3.2
	02/03/05	<50	<0.5	<0.5	<0.5	<0.5	4.5	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	2.9
	03/04/05	<50	<0.5	<0.5	<0.5	<0.5	21	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	<0.5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	6.7	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	3.2
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	2.0
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	1.1
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	250	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
MW-8	04/04/03	<50	<0.5	<0.5	<0.5	<0.5	230	<5	<5	<5	<50	<5,000	<500	<5	<5
	07/16/03	<50	<0.5	<0.5	<0.5	<0.5	340	<5	<5	<5	<50	<5,000	<500	<5	<5
	10/28/03	<50	<0.5	<0.5	<0.5	<0.5	250	<5.0	<5.0	<5.0	<50	<5,000	<500	<5	<5.0
	01/13/04	<50	<0.5	<0.5	<0.5	<0.5	140	<0.5	<0.5	<0.5	<5.0	<50	<5	<0.5	<0.5
	04/14/04	<50	<0.5	<0.5	<0.5	<0.5	260	<5	<5	<5	<50	<5,000	<500	<5	<5
*	04/29/04	<50	<0.5	<0.5	<0.5	<0.5	130	<5	<5	<5	<50	<5,000	<500	<5	<5
	05/13/04	<50	<0.5	<0.5	<0.5	<0.5	110	<2.5	<2.5	<2.5	<25	<2,500	<250	<2.5	<2.5
	05/26/04	<50	<0.5	<0.5	<0.5	<0.5	150	<2.5	<2.5	<2.5	<25	<2,500	<250	<2.5	<2.5
	06/10/04	<50	<0.5	<0.5	<0.5	<0.5	290	<0.5	<0.5	<0.5	<5.0	<50	<5.0	<0.5	<0.5
	07/08/04	<50	<0.5	<0.5	<0.5	<1.0	395	<0.5	<1	<1	<10	NT	<100	<1.0	<0.5
	10/01/04	<50	<0.5	<0.5	<0.5	<0.5	450	<10	<10	<10	<100	<10,000	<5.0	<0.5	<0.5
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	330	<5	<5	<5	<50	<5,000	<500	<5	<5
	02/03/05	<50	<0.5	<0.5	<0.5	<0.5	360	<5	<5	<5	53	<5,000	<500	<5	<5
	03/04/05	<50	<0.5	<0.5	<0.5	<0.5	180	<5	<5	<5	53	<5,000	<500	<5	<5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	140	<2.5	<2.5	<2.5	29	<2500	<250	<2.5	<2.5
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	160	<2.5	<2.5	<2.5	29	<2500	<250	<2.5	<2.5
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	320	<5	<5	<5	<50	<5,000	<500	<5	<5
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	410	<12	<12	<12	<120	<12,000	<1,200	<12	<12

Table 3
Analytical Results for Groundwater Samples
2951 High Street
Oakland, California

Well ID	Date	TPH-g	benzene	toluene	ethyl-benzene	xylenes	MtBE	DIPE	EtBE	tAME	tBA	methanol	ethanol	EDB	DCA
MW-9	04/04/03	<50	<0.5	<0.5	<0.5	<0.5	85	<1.5	<1.5	<1.5	<12	<1,200	<120	<1.5	2
	07/16/03	<50	<0.5	<0.5	<0.5	<0.5	170	<2.5	<2.5	3	27	<2,500	<250	<2.5	<2.5
	10/28/03	<50	<0.5	<0.5	<0.5	<0.5	230	<5.0	<5.0	<5.0	57	<5,000	<500	<5.0	<5.0
	01/13/04	<50	<0.5	<0.5	<0.5	<0.5	55	<0.5	<0.5	0.72	5.8	<50	<5	<0.5	1
	04/14/04	<50	<0.5	<0.5	<0.5	<0.5	58	<1	<1	<1	<10	<1,000	<100	<1	<1
*	04/29/04	<50	<0.5	<0.5	<0.5	<0.5	4.7	<0.5	<0.5	<0.5	<5	<500	<50	<0.5	0.63
	05/13/04	<50	<0.5	<0.5	<0.5	<0.5	5.9	<0.5	<0.5	<0.5	<5.0	<50	<5.0	<0.5	0.66
	05/26/04	<50	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	0.53
	06/10/04	<50	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<5.0	<50	<5.0	<0.5	0.60
	07/08/04	<50	<0.5	<0.5	<0.5	<1.0	7.3	<0.5	<1	<1	<10	NT	<100	<1.0	<0.5
	10/01/04	<50	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	01/03/05	<50	<0.5	<0.5	<0.5	<0.5	4.0	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	48	<0.5	<0.5	0.75	13	<500	<50	<0.5	<0.5
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	23	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
MW-10	04/23/03	79	<0.5	<0.5	<0.5	<0.5	1,900	<25	<25	58	<250	<25,000	<2,500	<25	<25
	07/16/03	73	20	<0.5	<0.5	<0.5	1,100	<20	<20	39	<200	<20,000	<2,000	<20	<20
	10/28/03	76	<0.5	<0.5	<0.5	<0.5	1,900	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	01/13/04	<500	<5	<5	<5	<5	2,300	<5	<5	72	<50	<500	<50	<5	<5
*	04/29/04	54	<0.5	<0.5	<0.5	<0.5	1,000	<17	<17	24	<170	<17,000	<1,700	<17	<17
	07/08/04	76	<0.5	<0.5	<0.5	<1.0	1,650	<0.5	<1	37	211	NT	<100	<1.0	<0.5
	10/01/04	67	<0.5	<0.5	<0.5	<0.5	1,500	<50	<50	<50	<500	<50,000	<5,000	<50	<50
	01/03/05	62	<0.5	<0.5	<0.5	<0.5	1,700	<25	<25	<25	<250	<25,000	<2,500	<25	<25
	04/05/05	<50	<0.5	<0.5	<0.5	<0.5	520	<17	<17	<17	230	<17,000	<1,700	<17	<17
	07/06/05	<50	<0.5	<0.5	<0.5	<0.5	420	<5	<5	12	<50	<5,000	<500	<5	<5
	10/04/05	<50	<0.5	<0.5	<0.5	<0.5	490	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	05/24/06	<50	<0.5	<0.5	<0.5	<0.5	95	<2.5	<2.5	<2.5	<25	<2,500	<250	<2.5	<2.5
SSTL		NE	34	270	180	470	8,400	NE	NE	NE	NE	NE	NE	NE	NE

Notes:

SSTLs are site-specific target levels developed for the site by Aqua Science Engineers, Inc. in 1997. **Bold** concentrations exceed the SSTL.

Concentrations are micrograms per liter (ug/L). NE, SSTL not established for this compound. NT, analyte not tested.

Data prior to April 2003 are from *Groundwater Monitoring Report for September 2000 Sampling* by Aqua Science Engineers, Inc. dated 11/14/2000.

* First sampling event after the OS system was started up on April 14, 2004.

** Oxygen Release Compound (ORC) was injected into borings on the south side of MW-5 in late June 1997.

*** ORC socks were placed in MW-5 in August 1998 and removed in September 2000.

TPH-g total petroleum hydrocarbons as gasoline
MtBE methyl tert-butyl ether
DIPE di-isopropyl ether
EtBE ethyl tert-butyl ether
tAME tert-amyl methyl ether
tBA tert-butyl alcohol
EDB ethylene dibromide (1,2-dibromoethane)
DCA 1,2-dichloroethane

Table 4
Field Measurements of Dissolved Oxygen and Temperature
2951 High Street
Oakland, California

Well ID	Date	DO (mg/L)	Temperature (Celsius)	% Oxygen Saturation
MW-1	04/04/03	0.64	18.5	6.7%
	07/16/03	0.82	18.5	8.6%
	10/28/03	0.51	19.3	5.5%
	01/13/04	0.17	19.3	1.8%
	04/14/04	0.23	18.4	2.4%
*	04/29/04	0.56	18.1	5.9%
	05/13/04	0.70	18.4	7.4%
	05/26/04	0.40	18.5	4.2%
	06/10/04	1.42	18.5	15.0%
	07/08/04	0.71	18.7	7.5%
	10/01/04	1.97	19.5	21.2%
	01/03/05	2.06	19.2	22.0%
	04/05/05	2.41	18.9	25.6%
	07/06/05	3.47	20.9	38.4%
	10/04/05	2.05	21.6	23.0%
	05/24/06	2.90	18.8	30.8%
MW-3	04/04/03	0.78	18.8	8.3%
	07/16/03	2.13	18.8	22.6%
	10/28/03	0.67	19.1	7.2%
	01/13/04	0.25	19.3	2.7%
	04/14/04	0.17	18.6	1.8%
*	04/29/04	6.52	18.0	68.1%
	05/13/04	5.87	18.5	61.9%
	05/26/04	2.76	18.5	29.1%
	06/10/04	6.12	18.5	64.5%
	07/08/04	0.76	18.7	8.0%
	10/01/04	3.45	19.3	37.0%
	01/03/05	2.71	19.2	29.0%
	02/03/05	2.60	19.2	27.8%
	03/04/05	3.34	16.3	33.7%
	04/05/05	3.53	18.6	37.3%
	07/06/05	3.00	19.9	32.5%
	10/04/05	1.60	19.9	17.4%
	05/24/06	1.93	18.9	20.5%
MW-5	04/04/03	0.70	19.2	7.5%
	07/16/03	NA	NA	NA
	10/28/03	0.83	19.70	9.0%
	01/13/04	0.57	19.8	6.2%
	04/14/04	0.32	19.7	3.5%
*	04/29/04	9.83	19.5	105.8%
	05/13/04	10.89	19.5	117.2%
	05/26/04	10.50	19.5	113.0%
	06/10/04	14.14	19.5	152.1%
	07/08/04	11.46	19.4	123.0%
	10/01/04	12.67	19.5	136.3%
	01/03/05	9.25	20.1	100.7%
	02/03/05	13.50	20.2	147.3%
	03/04/05	6.96	17.6	72.1%
	04/05/05	9.78	19.4	105.0%
	07/06/05	16.90	20.6	186.0%
	10/04/05	17.35	20.5	190.5%
	05/24/06	20.00	20.0	217.4%

Table 4
Field Measurements of Dissolved Oxygen and Temperature
2951 High Street
Oakland, California

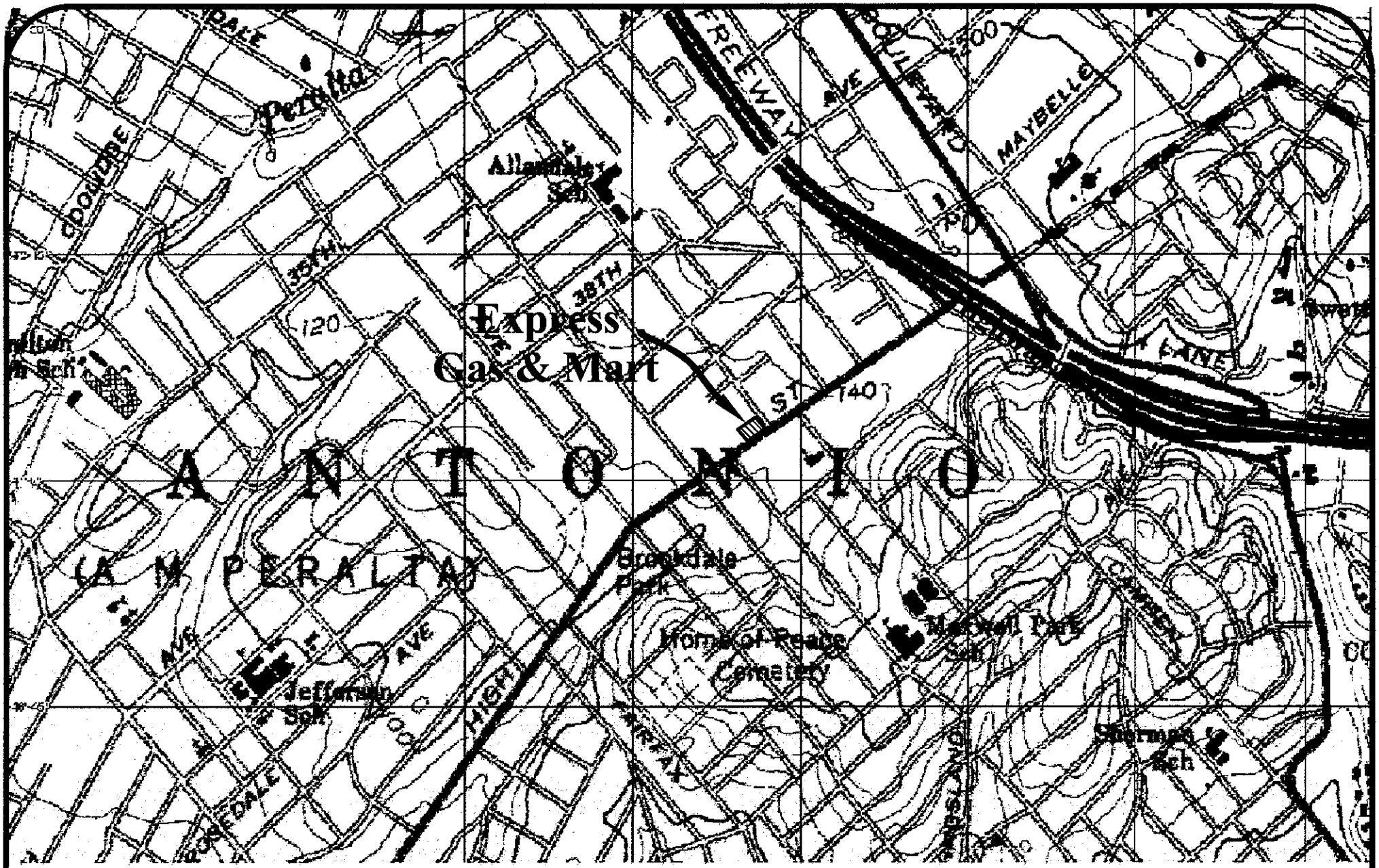
Well ID	Date	DO (mg/L)	Temperature (Celsius)	% Oxygen Saturation
MW-6	04/04/03	NA	NA	NA
	07/16/03	0.54	19.1	5.8%
	10/28/03	1.26	19.3	13.5%
	01/13/04	0.27	19.4	2.9%
*	04/29/04	1.37	18.7	14.5%
	07/08/04	0.31	19.8	3.4%
	10/01/04	0.27	19.3	2.9%
	01/03/05	1.30	19.1	13.9%
	04/05/05	1.40	19.2	15.0%
	07/06/05	2.32	19.8	25.1%
	10/04/05	2.13	20.6	23.4%
	05/24/06	3.50	19.1	37.4%
MW-7	04/04/03	0.97	20.1	10.6%
	07/16/03	0.69	19.8	7.5%
	10/28/03	0.49	20.5	5.4%
	01/13/04	0.14	20.5	1.5%
	04/14/04	0.17	20.2	1.9%
*	04/29/04	7.34	20.0	79.8%
	05/13/04	10.60	19.9	115.0%
	05/26/04	13.73	19.9	148.9%
	06/10/04	13.16	19.9	142.7%
	07/08/04	10.50	20.0	114.1%
	10/01/04	9.12	20.6	100.4%
	01/03/05	7.52	20.1	81.9%
	02/03/05	11.10	20.7	122.4%
	03/04/05	9.03	18.0	94.3%
	04/05/05	7.58	19.9	82.2%
	07/06/05	4.35	20.9	48.2%
	10/04/05	3.43	20.9	38.0%
	05/24/06	2.33	20.2	25.4%
MW-8	04/04/03	1.50	20.8	16.6%
	07/16/03	0.78	20.5	8.6%
	10/28/03	0.41	21.3	4.6%
	01/13/04	0.58	21.4	6.5%
	04/14/04	0.20	20.6	2.2%
*	04/29/04	1.10	20.1	12.0%
	05/13/04	1.15	20.4	12.6%
	05/26/04	0.64	20.5	7.0%
	06/10/04	0.22	20.5	2.4%
	07/08/04	0.22	20.5	2.4%
	10/01/04	0.12	21.3	1.3%
	01/03/05	0.93	20.9	10.3%
	02/03/05	0.20	21.2	2.2%
	03/04/05	1.50	17.9	15.6%
	04/05/05	0.87	20.3	9.5%
	07/06/05	1.83	21.3	20.4%
	10/04/05	1.50	22.1	17.0%
	05/24/06	1.83	20.4	20.1%

Table 4
Field Measurements of Dissolved Oxygen and Temperature
2951 High Street
Oakland, California

Well ID	Date	DO (mg/L)	Temperature (Celsius)	% Oxygen Saturation
MW-9	04/04/03	1.30	20.4	14.2%
	07/16/03	0.82	20.1	8.9%
	10/28/03	0.41	20.4	4.5%
	01/13/04	0.11	20.5	1.2%
	04/14/04	0.14	20.2	1.5%
*	04/29/04	10.02	20.2	109.3%
	05/13/04	10.91	20.0	118.6%
	05/26/04	6.16	19.9	66.8%
	06/10/04	5.84	19.9	63.3%
	07/08/04	3.99	19.9	43.3%
	10/01/04	3.30	20.3	36.1%
	01/03/05	3.33	19.5	35.8%
	04/05/05	3.21	20.5	35.2%
	07/06/05	3.55	20.8	39.2%
	10/04/05	3.35	20.8	37.0%
	05/24/06	2.12	20.1	23.1%
MW-10	04/23/03	2.75	19.1	29.3%
	07/16/03	1.00	19.2	10.7%
	10/28/03	0.55	19.6	5.9%
	01/13/04	0.13	19.7	1.4%
*	04/29/04	0.19	18.7	2.0%
	07/08/04	0.19	19	2.0%
	10/01/04	0.14	19.4	1.5%
	01/03/05	1.27	18.3	13.3%
	04/05/05	1.10	18.6	11.6%
	07/06/05	2.32	19.3	24.9%
	10/04/05	2.36	19.7	25.5%
	05/24/06	2.06	18.5	21.7%

Notes: DO, Dissolved oxygen concentration in milligrams per liter.
Formula for calculating % saturation = C/(-0.1883*T+12.967), where
C is the DO concentration in mg/L and T is the temperature in degrees Celsius.
* First sampling event after the OS system was started up on April 14, 2004.
N/A No data available.

FIGURES



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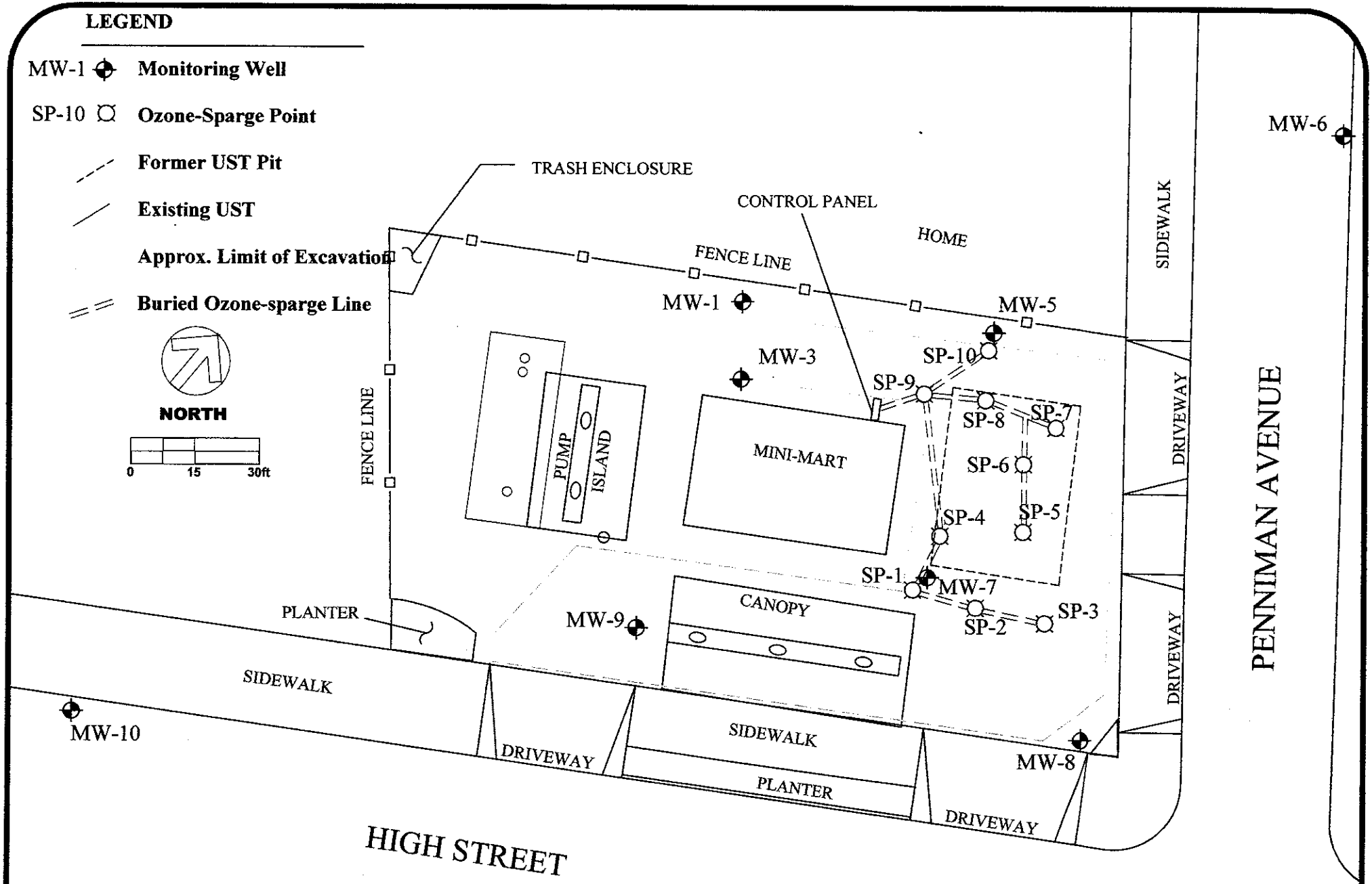
Site Location Map

Express Gas & Mart
2951 High Street
Oakland, California

NORTH

Project #: 1004	Figure: 1
Date: 6/15/06	
Scale: as shown	



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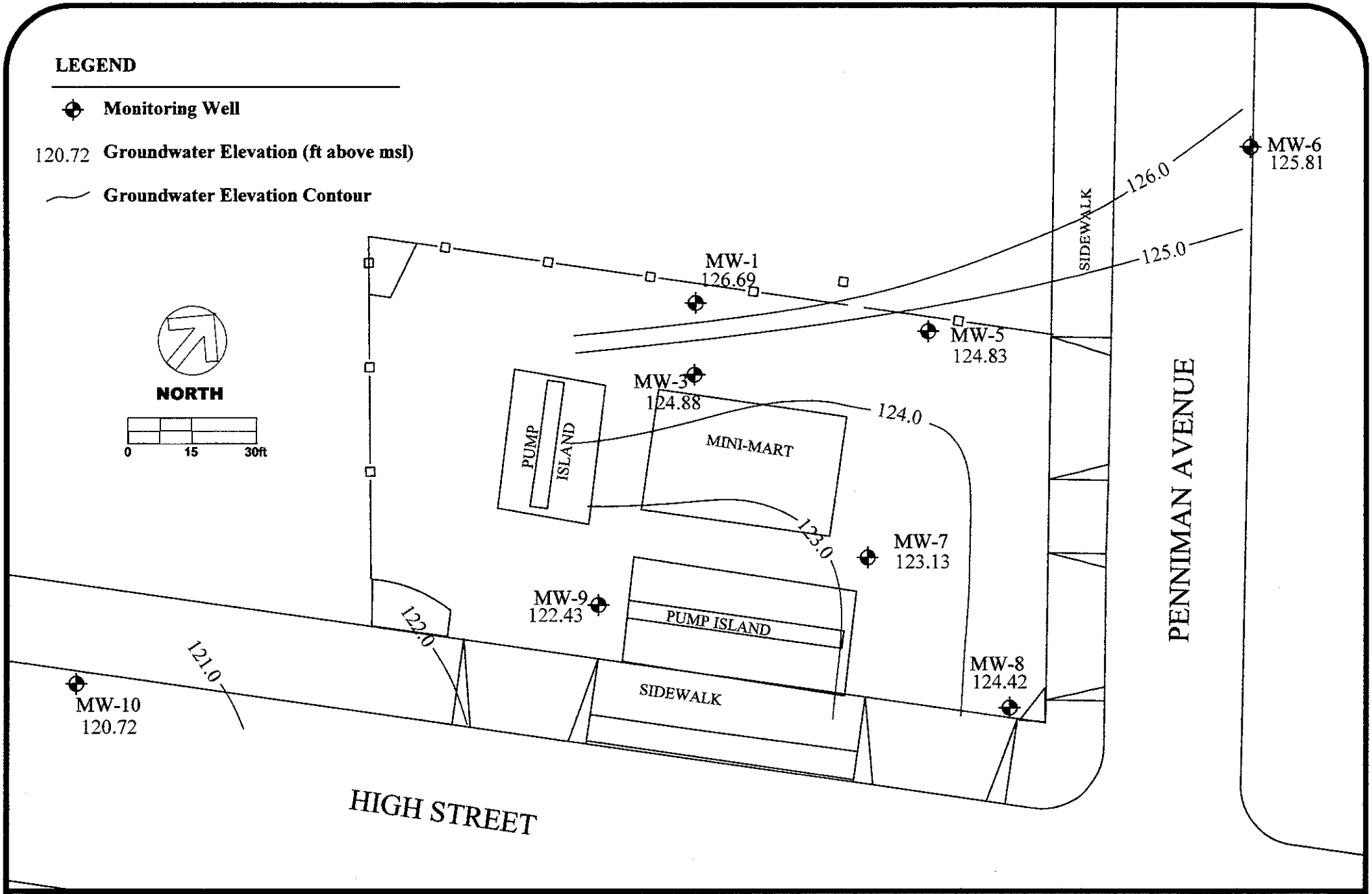
Site Features

Express Gas & Mart
2951 High Street
Oakland, California

Project #: 1004	Figure: 2
Date: 6/15/06	
Scale: 1"=30'	



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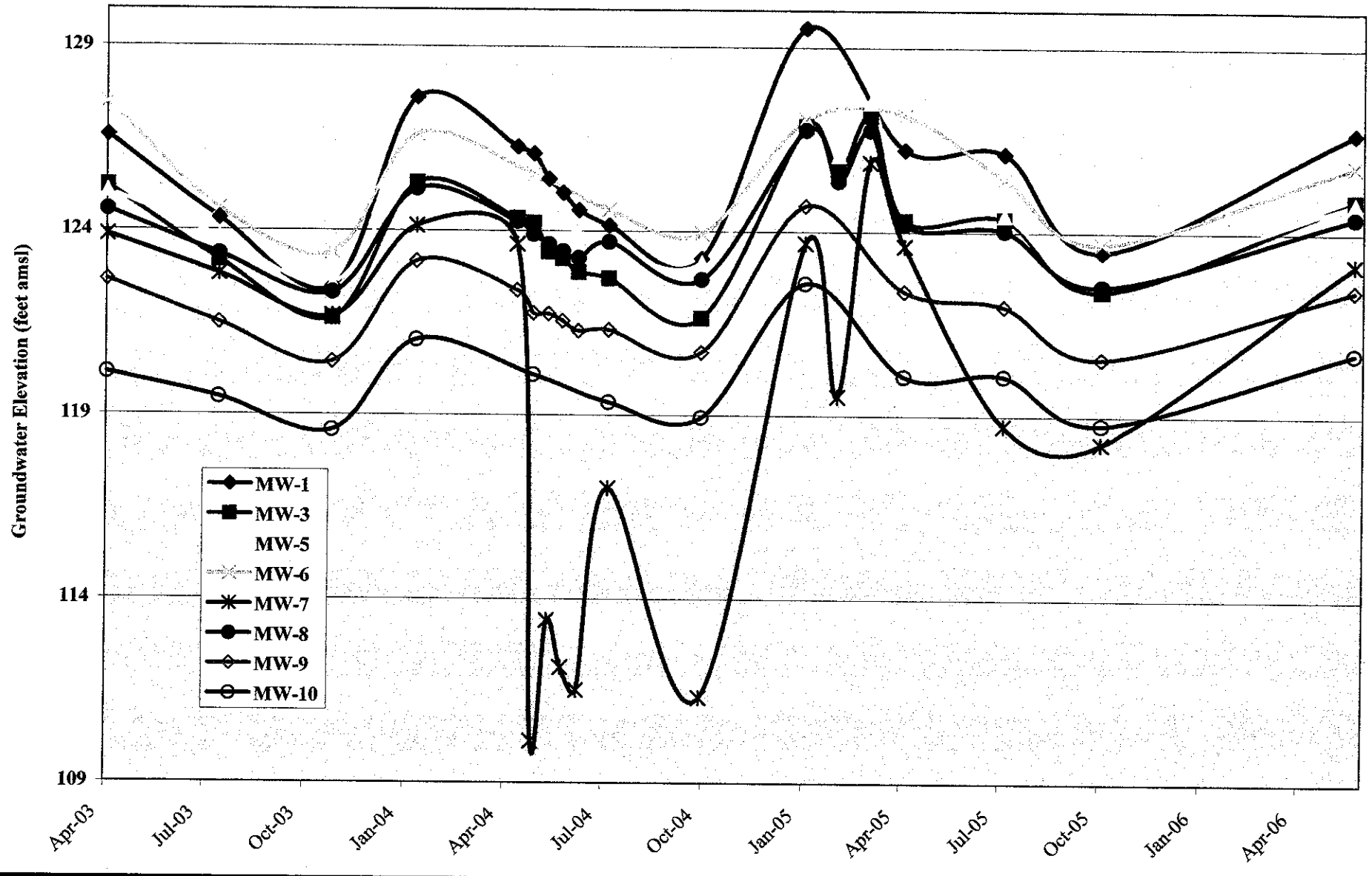
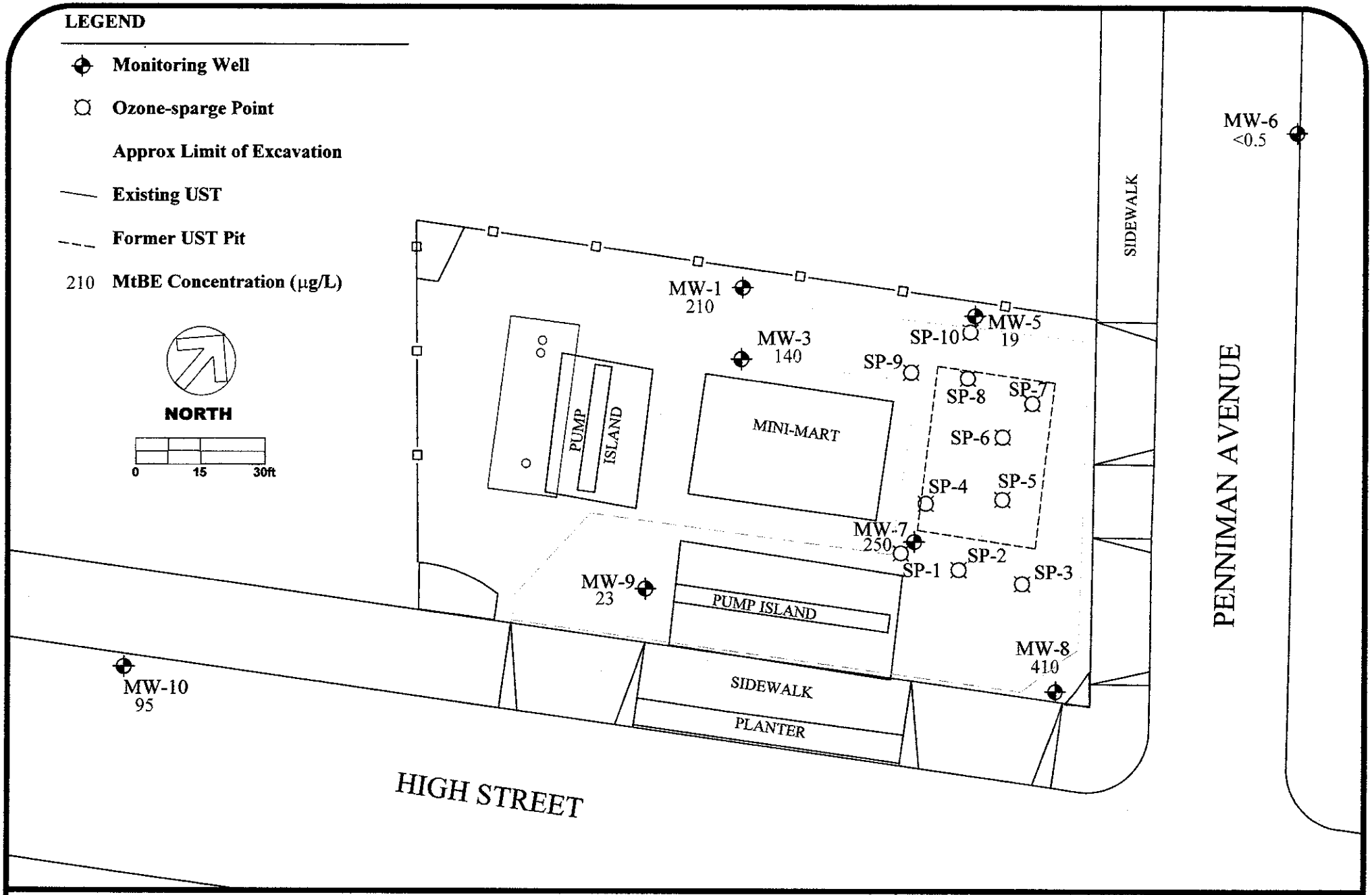
Groundwater Elevations on May 24, 2006

Express Gas & Mart
2951 High Street
Oakland, California

Project #: 1004	Figure: 3
Date: 6/15/06	
Scale: 1"=30'	

Figure 4
Monitoring Well Hydrograph
2951 High Street, Oakland, California





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MtBE Concentrations in Groundwater on May 24, 2006

Express Gas & Mart
2951 High Street
Oakland, California

Project #: 1004	Figure: 5
Date: 6/15/06	
Scale: 1"=30'	

Figure 6

MtBE Concentrations vs. Time in Wells MW-3, MW-5, MW-7 and MW-8
2951 High Street, Oakland, California

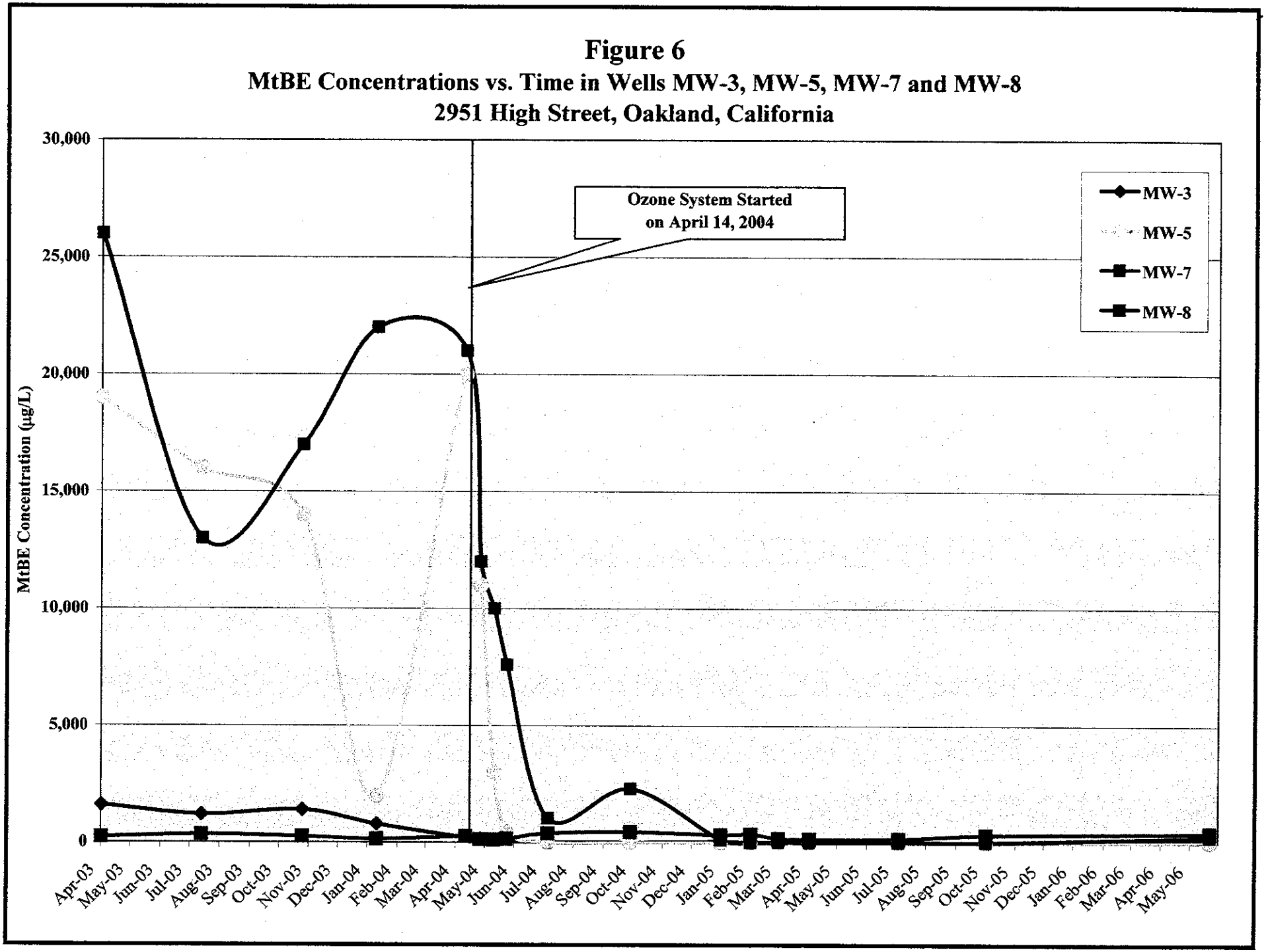


Figure 7

MtBE Concentrations vs. Time in Wells MW-1, MW-9 and MW-10
2951 High Street, Oakland, California

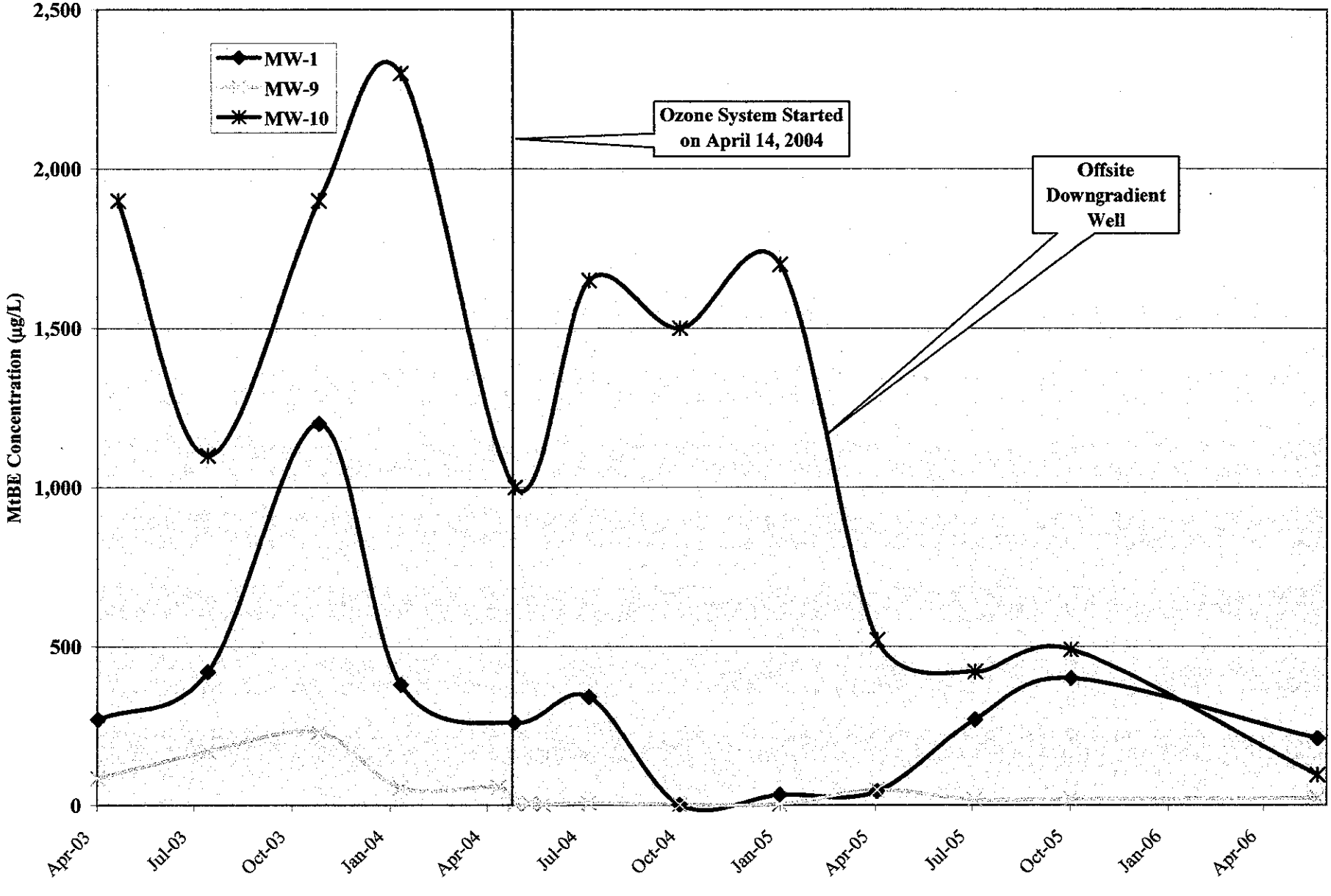
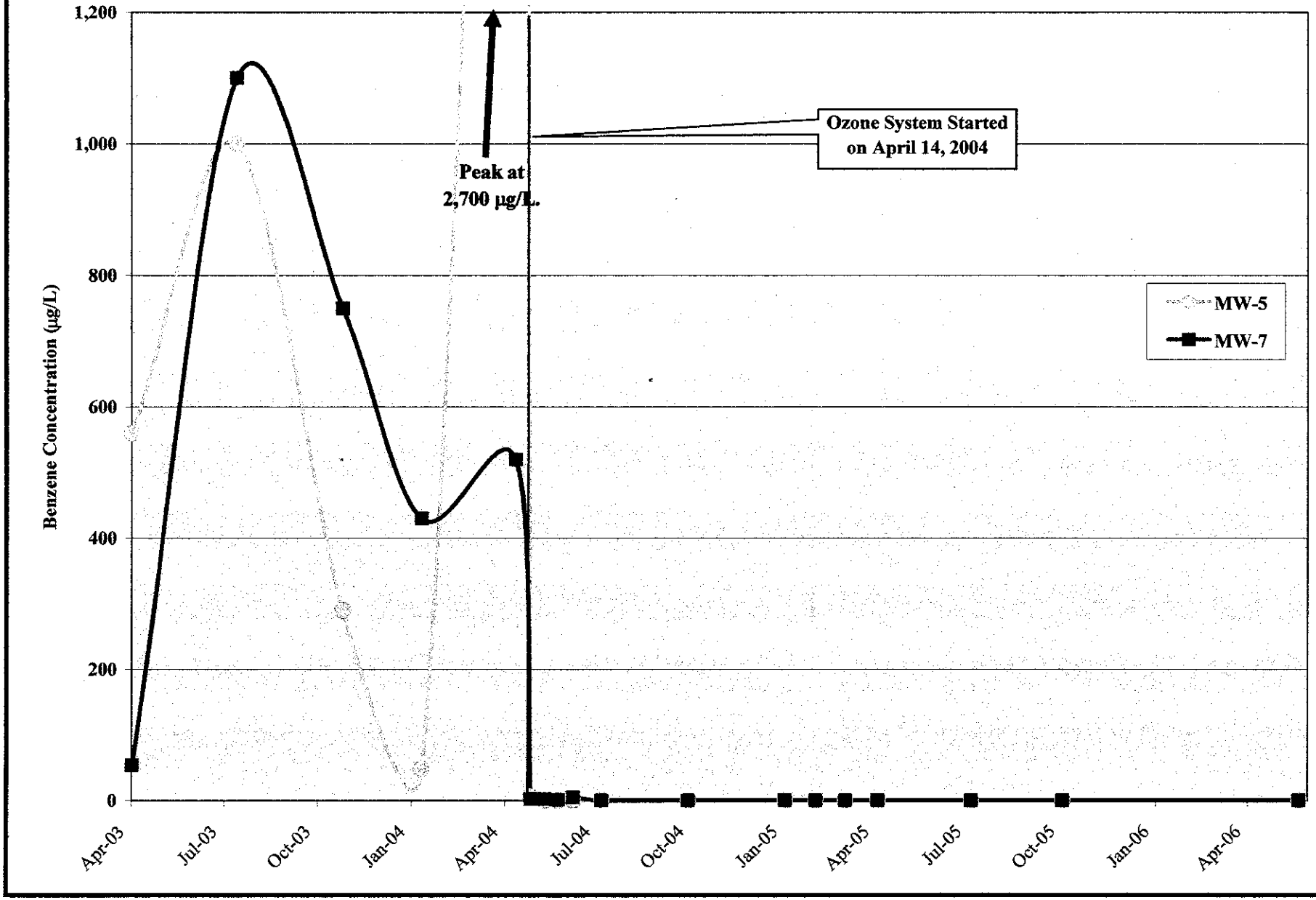


Figure 8

Benzene Concentrations vs. Time in Wells MW-5 and MW-7
2951 High Street, Oakland, California



APPENDIX A

Monitoring Well Sampling Logs

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street Job # 1004

Date: 5/24/2006 Sampler: T. Cook

Well ID: MW-1 Well Diameter 2" Column 19.86

Well Depth 24.81 Depth to Water 4.95

Casing Volume 3.31 3 Casing Volumes 10.12
(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

Purge Method: bailer Sample Method: bailer

TDS

Time	Gallons Purged	Temp C	pH	SC (uS)	~~Turbidity (NTU)~~	DO (mg/L)	Comments
1:56	3	20.1	6.35	722	358	1.15	
2:08	6	18.9	6.42	715	357	1.99	
2:12	10	18.8	6.54	704	351	2.90	

Cook Environmental Services, Inc.
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COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-3

Well Diameter 2"

Column 18.67

Well Depth 24.84

Depth to Water 6.17

Casing Volume 3.17

3 Casing Volumes 9.52

(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	~~Turbidity~~ TDS (NTU)	DO (mg/L)	Comments
224	3	20.0	6.37	553	276	2.66	
229	6	19.1	6.41	563	305	2.12	
235	10	18.9	6.42	565	317	1.98	

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-5

Well Diameter 2"

Column 19.92

Well Depth 27.08

Depth to Water 7.16

Casing Volume 3.38

3 Casing Volumes 10.15

(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	~~Turbidity~~ (NTU) TDS	DO (mg/L)	Comments
1133	5	21.1	8.32	1025	513	9.90	
1138	8	19.9	8.54	1041	521	15.40	
1145	10	20.0	8.55	1068	534	7.20	

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-6

Well Diameter 2"

Column 21.83

Well Depth 28.60

Depth to Water 6.77

Casing Volume 3.71

3 Casing Volumes 11.13

(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	Turbidity (NTU)	DO (mg/L)	Comments
1044	3	19.5	6.93	527	262	2.40	
1108	10	20.0	7.08	542	273	1.28	
1112	11	19.1	7.10	525	263	3.50	

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-7

Well Diameter 2"

Column 17.21

Well Depth 25.01

Depth to Water 7.80

Casing Volume 2.92

3 Casing Volumes 8.77

(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	Turbidity ~~(NTU)~~ TDS	DO (mg/L)	Comments
9:24A	2	19.7	7.00	488	248	2.45	
9:27	5	19.6	6.70	492	252	1.57	
9:34	8	20.2	6.79	415	207	2.33	

well under slight press when opened

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-8

Well Diameter 2"

Column 18.55

Well Depth 25.28

Depth to Water 6.73

Casing Volume 3.15
(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

3 Casing Volumes 9.46

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	~~Turbidity (NTU)~~ TDS	DO (mg/L)	Comments
1006	3	21.0	6.72	504	251	1.70	
1010	7	20.4	6.66	467	235	1.43	
1015	10	20.4	6.52	476	238	1.83	

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-9

Well Diameter 2"

Column 17.75

Well Depth 25.32

Depth to Water 7.57

Casing Volume 3.61
(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

3 Casing Volumes 9.05

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	~~Turbidity~~ TDS (NTU)	DO (mg/L)	Comments
1247	3	21.7	6.84	767	379	1.29	
1255	6	20.2	6.87	767	382	2.44	
1259	9	20.1	6.98	772	400	2.12	

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

COOK ENVIRONMENTAL SERVICES
MONITORING WELL SAMPLING LOG

Site Name: High Street

Job # 1004

Date: 5/24/2006

Sampler: T. Cook

Well ID: MW-10

Well Diameter 2"

Column 18.48

Well Depth 24.95

Depth to Water 6.47

Casing Volume 3.14
(2" well = col height * 0.17 gal/ft, 4" well = 0.66 gal/ft)

3 Casing Volumes 9.42

Purge Method: bailer

Sample Method: bailer

Time	Gallons Purged	Temp C	pH	SC (uS)	Turbidity (NTU) TDS	DO (mg/L)	Comments
1:20	3	21.5	6.95	461	230	2.10	
1:27	6	18.8	6.83	455	224	1.97	
1:40	10	18.5	6.95	444	221	2.06	

Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94597
(925) 937-1759

APPENDIX B

Laboratory Analytical Reports

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cook Environmental Services, Inc	Client Project ID: #1004; High Street	Date Sampled: 05/24/06
271 Las Juntas Way		Date Received: 05/24/06
Walnut Creek, CA 94596	Client Contact: Tim Cook	Date Reported: 05/30/06
	Client P.O.:	Date Completed: 05/30/06

WorkOrder: 0605525

May 30, 2006

Dear Tim:

Enclosed are:

1). the results of **8** analyzed samples from your **#1004; High Street project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cook Environmental Services, Inc.	Client Project ID: #1004; High Street	Date Sampled: 05/24/06
271 Las Juntas Way		Date Received: 05/24/06
Walnut Creek, CA 94596	Client Contact: Tim Cook	Date Extracted: 05/24/06-05/26/06
	Client P.O.:	Date Analyzed: 05/24/06-05/26/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0605525

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	320	ND	ND	ND	ND	1	102
002A	MW-3	W	ND	180	ND	ND	ND	ND	1	109
003A	MW-5	W	ND	23	ND	ND	ND	ND	1	99
004A	MW-6	W	ND	ND	ND	ND	ND	ND	1	97
005A	MW-7	W	ND	290	ND	ND	ND	ND	1	103
006A	MW-8	W	ND	480	ND	ND	ND	ND	1	103
007A	MW-9	W	ND	24	ND	ND	ND	ND	1	104
008A	MW-10	W	ND	120	ND	ND	ND	ND	1	108
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cook Environmental Services, Inc.	Client Project ID: #1004; High Street	Date Sampled: 05/24/06
271 Las Juntas Way		Date Received: 05/24/06
Walnut Creek, CA 94596	Client Contact: Tim Cook	Date Extracted: 05/26/06
	Client P.O.:	Date Analyzed: 05/26/06

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0605525

Lab ID	0605525-001B	0605525-002B	0605525-003B	0605525-004B	Reporting Limit for DF =1	
Client ID	MW-1	MW-3	MW-5	MW-6		
Matrix	W	W	W	W		
DF	10	10	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<5.0	ND<5.0	ND	ND	NA	0.5
t-Butyl alcohol (TBA)	ND<50	ND<50	ND	ND	NA	5.0
1,2-Dibromoethane (EDB)	ND<5.0	ND<5.0	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND<5.0	ND	ND	NA	0.5
Diisopropyl ether (DIPE)	ND<5.0	ND<5.0	ND	ND	NA	0.5
Ethanol	ND<500	ND<500	ND	ND	NA	50
Ethyl tert-butyl ether (ETBE)	ND<5.0	ND<5.0	ND	ND	NA	0.5
Methanol	ND<5000	ND<5000	ND	ND	NA	500
Methyl-t-butyl ether (MTBE)	210	140	19	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	104	105	104	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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cook Environmental Services, Inc. 271 Las Juntas Way Walnut Creek, CA 94596	Client Project ID: #1004; High Street	Date Sampled: 05/24/06
		Date Received: 05/24/06
	Client Contact: Tim Cook	Date Extracted: 05/26/06
	Client P.O.:	Date Analyzed: 05/26/06

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0605525

Lab ID	0605525-005B	0605525-006B	0605525-007B	0605525-008B	Reporting Limit for DF =1	
Client ID	MW-7	MW-8	MW-9	MW-10		
Matrix	W	W	W	W		
DF	10	25	1	5	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<5.0	ND<12	ND	ND<2.5	NA	0.5
t-Butyl alcohol (TBA)	ND<50	ND<120	ND	ND<25	NA	5.0
1,2-Dibromoethane (EDB)	ND<5.0	ND<12	ND	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND<12	ND	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND<5.0	ND<12	ND	ND<2.5	NA	0.5
Ethanol	ND<500	ND<1200	ND	ND<250	NA	50
Ethyl tert-butyl ether (ETBE)	ND<5.0	ND<12	ND	ND<2.5	NA	0.5
Methanol	ND<5000	ND<12,000	ND	ND<2500	NA	500
Methyl-t-butyl ether (MTBE)	250	410	23	95	NA	0.5
Surrogate Recoveries (%)						
%SS1:	103	104	104	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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0605525

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 21878** **Spiked Sample ID: 0605518-001a**

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	LCS / LCSD
TPH(btex)£	ND	60	103	111	7.04	103	105	1.19	70 - 130	70 - 130
MTBE	41	10	NR	NR	NR	109	109	0	70 - 130	70 - 130
Benzene	0.95	10	95.8	89.3	6.38	101	104	2.73	70 - 130	70 - 130
Toluene	ND	10	104	101	3.06	102	104	1.64	70 - 130	70 - 130
Ethylbenzene	ND	10	102	99.3	2.50	101	103	2.24	70 - 130	70 - 130
Xylenes	ND	30	99	94.7	4.48	95.3	99	3.77	70 - 130	70 - 130
%SS:	98	10	104	103	1.03	103	107	4.02	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 21878 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605525-001A	5/24/06	5/24/06	5/24/06 11:49 PM	0605525-002A	5/24/06	5/25/06	5/25/06 4:16 AM
0605525-003A	5/24/06	5/25/06	5/25/06 4:46 AM	0605525-004A	5/24/06	5/25/06	5/25/06 5:16 AM
0605525-005A	5/24/06	5/25/06	5/25/06 5:46 AM	0605525-006A	5/24/06	5/25/06	5/25/06 6:15 AM
0605525-006A	5/24/06	5/26/06	5/26/06 3:44 AM	0605525-007A	5/24/06	5/26/06	5/26/06 4:43 AM
0605525-008A	5/24/06	5/25/06	5/25/06 7:15 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 applicable or 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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0605525

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 21881	Spiked Sample ID: 0605518-006A

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	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	102	102	0	101	103	1.77	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	114	117	2.05	115	116	0.790	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	120	120	0	118	118	0	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	108	110	1.39	107	108	0.290	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	118	118	0	116	120	2.64	70 - 130	70 - 130
Ethanol	ND	500	116	109	5.80	102	115	12.3	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	103	105	1.18	102	103	0.738	70 - 130	70 - 130
Methanol	ND	2500	99.8	96.7	3.18	98.6	92.9	5.94	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	112	113	0.884	112	112	0	70 - 130	70 - 130
%SS1:	108	10	103	102	1.24	104	103	0.839	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 21881 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605525-001B	5/24/06	5/26/06	5/26/06 1:42 AM	0605525-002B	5/24/06	5/26/06	5/26/06 2:24 AM
0605525-003B	5/24/06	5/26/06	5/26/06 3:06 AM	0605525-004B	5/24/06	5/26/06	5/26/06 3:48 AM
0605525-005B	5/24/06	5/26/06	5/26/06 4:30 AM	0605525-006B	5/24/06	5/26/06	5/26/06 5:13 AM
0605525-007B	5/24/06	5/26/06	5/26/06 5:55 AM	0605525-008B	5/24/06	5/26/06	5/26/06 6:37 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 Certification No. 1644

JR QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0605525 **ClientID: CESW** **EDF: NO**

Report to:
Tim Cook
Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94596
TEL: 925-937-1759
FAX: 925-937-1759
ProjectNo: #1004; High Street
PO:

Bill to:
Tim Cook
Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 94596

Requested TAT: 5 days
Date Received: 05/24/2006
Date Printed: 05/24/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0605525-001	MW-1	Water	05/24/2006	☐	B	A										
0605525-002	MW-3	Water	05/24/2006	☐	B	A										
0605525-003	MW-5	Water	05/24/2006	☐	B	A										
0605525-004	MW-6	Water	05/24/2006	☐	B	A										
0605525-005	MW-7	Water	05/24/2006	☐	B	A										
0605525-006	MW-8	Water	05/24/2006	☐	B	A										
0605525-007	MW-9	Water	05/24/2006	☐	B	A										
0605525-008	MW-10	Water	05/24/2006	☐	B	A										

Test Legend:

1	9-OXYS_W	2	G-MBTEX_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments:

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

0605525 CESW

McCAMPBELL ANALYTICAL, INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) Yes Write On (DW) No

Report To: Tim Cook Bill To:

Company: Cook Environmental Services, Inc.
271 Las Juntas Way
Walnut Creek, CA 9457 E-Mail: cookenvironmental@att.net
Tele: (925) 937-1759 Fax: (925) 937-1759
Project #:1004 Project Name: High Street
Project Location: Oakland
Sampler Signature: Tim Cook

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 8260 All 9 oxys only	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	Other	Comments
MW-1		5/24/06		3	VOA	X					X	X			X										X							
MW-3		5/24/06		3	VOA	X					X	X			X										X							
MW-5		5/24/06		3	VOA	X					X	X			X										X							
MW-6		5/24/06		3	VOA	X					X	X			X										X							
MW-7		5/24/06		3	VOA	X					X	X			X										X							
MW-8		5/24/06		3	VOA	X					X	X			X										X							
MW-9		5/24/06		3	VOA	X					X	X			X										X							
MW-10		5/24/06																														

Other: Filter Samples for Metals analysis: Yes / o

Relinquished By:	Date:	Time:	Received By:
Tim Cook	5/24	4:55	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS pH<2	OTHER
	✓			