QUARTERLY GROUNDWATER MONITORING REPORT
Third Quarter 2008

SF Oakland Truck Stop
8255 San Leandro Street
Oakland, California 94621
LOP Case No. RO0000085

PREPARED FOR:
Nissan Saidian
5733 Medallion Court
Castro Valley, California 94520

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

November 4, 2008
Project No. 6020

PREPARED BY:

Matriks Corporation
321 Court Street
Woodland, California 95695

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PROFESSIONAL CERTIFICATION

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June 28, 2009

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The conclusions presented in this document are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. The limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other regulatory agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of said user.

REGISTERED GEOLOGIST
DAVID W. JANNEY
No. 6829
STATE OF CALIFORNIA

Tom Henderson
President

David W. Janney, P.G.
Senior Geologist

ACRONYMS AND ABBRREVIATIONS

ACEHS	Alameda County Environmental Health Services
AEI	All Environmental, Inc.
amsl	above mean sea level
ASE	Aqua Science Engineers, Inc.
DCA	1,2-dichloroethane
DIPE	di-isopropyl ether
EDB	ethylene di-bromide
EDF	electronic data file
ESL	Environmental Screening Level
EtBE	ethyl tert-butyl ether
Feet	ft
Geotracker	Geographical Information Management System
Matriks	Matriks Corporation
MtBE	methyl tert-butyl ether
mg/Kg	milligrams per kilogram
ml	milliliter
MW	monitoring well
PDF	portable document format
Penn	Penn Environmental
RWQCB	Regional Water Quality Control Board
SC	specific conductance
SRS	sensitive receptor survey
tAME	tert-amyl methyl ether
tBA	tert butyl alcohol
TOG	total oil and grease
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
µg/L	micrograms per liter
UST	underground storage tank
VOA	volatile organic analysis

INTRODUCTION

This report has been prepared to describe the results of the third quarter 2008 groundwater monitoring event conducted by Matriks at the Oakland S.F. Truck Stop (the "Site"), located at 8255 San Leandro Street, Oakland, California. The sampling described herein is part of an ongoing monitoring program of petroleum hydrocarbons in groundwater caused by a release of petroleum fuels from underground storage tanks (USTs) and/or the associated piping formerly located at the Site. Matriks is conducting the monitoring program on behalf of the Site owner and responsible party, Mr. Nissan Saidian. The Alameda County Environmental Health Service (ACEHS) is the lead regulatory agency overseeing this monitoring event and the Site investigation. The ACEHS case number for the Site is RO0000085. This quarterly monitoring event included the collection and laboratory analysis of samples from groundwater monitoring wells EX-2, MW-2, MW-4, MW-5, MW-7, and MW-10.

Site Description and Physical Setting

The Site is currently a fuel station, weigh station, and convenience mart that has been in operation since the 1960s. The surrounding area is comprised of mixed commercial, industrial and residential properties. The Site is located approximately 1 ¼ mile east of San Francisco Bay and approximately ½ mile south of the Oakland-Alameda County Coliseum Complex. Elmhurst Creek provides storm drainage for the surrounding area and flows northwesterly across the west side of the Site. The Site and surrounding area are flat and the Site elevation is approximately 10 feet above mean seal level (amsl). A Site location map is shown on **Figure 1.**

Site History

In May 1998, W.A. Craig, Inc. removed three USTs, two 4,000-gallon and one 550-gallon. The 4,000-gallon tanks stored gasoline and the 550-gallon tank stored waste oil.

In January 1999, Penn Environmental was attempting to remove another waste oil UST and encountered difficulties due to the UST's proximity to underground utilities. Penn requested permission from ACEHS and the City of Oakland Fire Department to close the tank in-place. According to a letter report from Penn dated May 27, 1999, ACEHS and the Fire Department would consider closure in-place if a water sample collected from the tank pit contained levels of total oil and grease below regulatory requirements. Total oil and grease was not detected in the water sample collected from the tank pit. A review of available records on the ACEHS website appears to indicate that the requirements for closure in-place were met and the tank was closed. The final disposition of this UST, however, is unknown.

In February 1999, Penn drilled 13 soil borings at the Site and installed groundwater monitoring wells in four of the borings (MW-1 through MW-4). Petroleum hydrocarbons were detected in

soil samples from each boring except B7. Petroleum hydrocarbons were also detected in groundwater samples from each open boring and in each monitoring well. The highest concentration of methyl tert-butyl ether (MtBE) detected by laboratory analysis in the boring soil samples was 3.9 milligrams per kilogram (mg/Kg) in boring B2 at a depth of 4 feet (ft). The highest concentration of total petroleum hydrocarbons as diesel (TPH-d) in the boring soil samples was 2,000 mg/Kg, also in boring B-2 at a depth of 4 ft. The highest concentration of MtBE detected in groundwater from the open borings was 28,000 micrograms per liter (µg/L) in B-8. The highest concentration of TPH-d in the groundwater monitoring wells was 62,000 µg/L in groundwater monitoring well MW-1.

In August 1999, Aqua Science Engineers, Inc. (ASE) began conducting quarterly groundwater monitoring at the Site. Monitoring well MW-1 contained free-phase petroleum hydrocarbons believed to be diesel due to its dark color. Laboratory analysis detected 56,000 µg/L TPH-g, 17,000 µg/L benzene, and 6,100 µg/L MtBE in MW-3.

On December 1, 1999, ASE installed additional monitoring wells MW-5 and MW-6. Free-phase petroleum hydrocarbons were again observed on the groundwater surface in monitoring well MW-1. Laboratory analysis detected 17 mg/Kg TPH-d in a soil sample from well boring MW-5 at 6 ft and 2.0 mg/Kg TPH-g in a soil sample from MW-6 also at 6 ft in. Both analytical results were noted by the laboratory to have non-typical patterns for TPH-g.

In May and June 2000, ASE drilled eight additional soil borings. The highest concentration of petroleum hydrocarbons detected in boring BH-G was 1,500 mg/Kg TPH-d at 12 ft, in boring BH-A 370 mg/Kg TPH-g and 2.3 mg/Kg benzene at 7.5 feet, and in boring BG-D 1.7 mg/Kg MtBE at 11.5 ft.

In July 2002, ASE installed three additional monitoring wells (MW-7, MW-8 and MW-9). Well locations are depicted in **Figure 2**. ASE also made several attempts to drill a boring in San Leandro Street to define the eastern extent of petroleum hydrocarbons in soil and groundwater east of the Site. Each attempt was met with refusal at relatively shallow depths.

In the report documenting the July 2002 monitoring well installations, ASE presented findings of a sensitive receptor survey (SRS) conducted for the Site. According to the SRS, there is a small-unnamed creek on the western margin of Site that appeared to provide Site drainage. The SRS also concluded that due to the flat topography of the area and its close proximity to San Francisco Bay, the creek is likely to be tidally influenced. ASE also concluded that this was a likely explanation for the variable groundwater gradient at the Site (ASE 2002).

The SRS also identified three wells within a 2,000-foot radius of the Site. One well was identified as industrial and two wells were identified as irrigation wells. No domestic or municipal water supply wells were identified within the search radius (ASE 2002). The current status of these wells is unknown.

In February 2004, ASE subcontracted Subtronic Corporation to perform a ground magnetometer geophysical survey on the Site to identify additional USTs. No USTs were identified although two areas were identified that appeared to have buried reinforced concrete where the presence buried metal objects, such as a UST, could not be ruled out (ASE 2004) due to the magnetic response of the rebar which would mask the USTs. Subtronic subsequently conducted a ground penetrating radar geophysical survey of the two magnetometer anomalies in September 2006. No USTs were identified in either location (ASE 2007).

On July 10, 2006, ASE collected a sample of free-phase petroleum hydrocarbons from monitoring well MW-1. The sample was analyzed by modified EPA Method 8015 and a forensic analysis was conducted on the chromatogram. The laboratory indicated that the product was indicative of middle distillates such as diesel fuel #2 or heating oil. The abundance of isoprenoids in conjunction with the absence of normal alkanes indicates that the fuel had undergone substantial biological degradation (ASE 2007).

In September 2006, ASE advanced 11 soil borings. Borings BH-I through BH-L and BH-S, each to a depth of 50 ft, using an EP Sonic drill rig. Borings BH-M through BH-R were installed on and off-site, respectively, using a Geoprobe direct push drill rig. The highest concentration of TPH-d detected by laboratory analysis of soil samples from boring BH-L was 2,200 mg/Kg at 19 ft. Boring BH-L also contained the highest concentration of MtBE at 0.81 mg/Kg at 14.5 ft. The highest concentration of tBA detected in boring BH-1 was 2.2 µg/L at 14.5 ft. The sample from BH-L reported the highest level of TPH-d concentrations of 27,000 µg/L (15-18 feet bgs) (ASE 2007).

During this same time, six temporary well points were installed to define the extent of free-phase floating petroleum hydrocarbons in the vicinity of the dispenser islands. PVC casing was placed in the temporary well points and remained overnight. Free-phase floating petroleum hydrocarbons were measure in boring TH-6 at a thickness of 2.54 ft. None of the other borings contained a measurable thickness of free-phase floating petroleum hydrocarbons but they did contain petroleum hydrocarbon sheen. While the borings were being backfilled, ASE noted that a thin layer of free-phase petroleum hydrocarbons was pushed to the surface on top of the cement in borings TH-2 and TH-4. Based on the results from these temporary wells, ASE returned in January 2007 and installed additional temporary well points TH-7 and TH-8. The PVC casing was placed in these wells for only six hours. After six hours there was only water in boring TH-7. Laboratory analysis detected 22,000 µg/L in a groundwater sampled collected from TH-7.

Free-phase floating hydrocarbons were removed from monitoring well MW-1 from August 1999 to March 2008, on schedules ranging from weekly to monthly. According to ASE's report dated March 9, 2007, over 140 gallons of free-phase floating diesel had been removed from monitoring well MW-1 as of March 2007.

ASE installed monitoring well MW-10 on October 10, 2006. Laboratory analytical results for a groundwater water sample collected from MW-10 on October 12, 2006 contained 1.7 µg/L MtBE and 82 µg/L tBA. No other analytes were detected in this sample.

ASE prepared and submitted to ACEHS the *Revised Remedial Action Plan for Underground Storage Tank and Dispenser Removal and Soil and Groundwater Remediation*, dated August 16, 2007 which was supplemented by, *Remedial Action Plan Addendum, Oakland Truck Stop*, dated October 19, 2007. The plans proposed site remediation through excavation, dewatering, and free-phase floating product removal.

In a letter dated May 6, 2008, the ACEHS requested that the proposed scope of work be reviewed for the initial soil excavation and a Revised Corrective Action Plan be submitted.

In May 2008, the Site owners contracted with Matriks to conduct quarterly groundwater monitoring and prepare for further remediation work of the Site.

Matriks prepared and submitted to ACEHS a *Revised Corrective Action Plan*, dated May 7, 2008 that included the construction of a French drain under the existing dispenser islands to facilitate the future removal of free-phase floating product. ACEHS approved the work in a letter dated May 16, 2008. The approved plan included a reduced amount of excavation and free-phase product removal and the abandonment of monitoring wells MW-1, MW-3, and MW-6.

SITE REMEDIATION

Well Abandonment

In preparation for the excavation activities proposed in the *Revised Corrective Action Plan*, prepared and submitted by Matriks, monitoring wells MW-1, MW-3, and MW-6 were abandoned by Gregg Drilling on July 3, 2007 under permit and observation of ACEHS. Wells MW-1 and MW-3 were drilled out and backfilled with neat cement with a tremie pipe from the bottom of the borehole to the ground surface. Following the abandonment, Matriks prepared and submitted a well completion report to the California Department of Water Resources. Well MW-6 was located under high voltage power lines and for safety reasons it was pressure grouted in place without being drilled-out. The well casing was extracted by the drillers and well box were removed in the process. The well opening was filled with neat cement to surface grade.

UST and Soil Removal

Matriks began Site remediation work in July 2008. Between July 7 and 9, 2008, Matriks removed five USTs, the dispenser islands, and the fuel system piping. Matriks also removed 2337.45 tons of petroleum hydrocarbon contaminated soil from the tank pit, fuel line trenches, and under the dispenser islands. The contaminated soil was transported for proper disposal to

the West Contra Costa Sanitary Landfill between July 10 and 17, 2008. The excavated areas were backfilled and compacted with new imported fill material. Matriks also removed approximately 100,000 gallons of petroleum hydrocarbon contaminated groundwater from the tank pit. The removed water was temporarily stored in Baker tanks, filtered through activated carbon drums prior to discharge, under permit, to the sanitary sewer.

Laboratory analytical results for soil samples collected during the UST removals reported concentrations of TPH-d between 490 mg/Kg and 7500 mg/Kg and TPH-g between 130 mg/Kg and 2400 mg/Kg. Petroleum hydrocarbon contaminated soil was excavated to a depth of approximately 16 ft in the southwest corner of the UST excavation. The contaminated soil stockpiles were placed on and covered with plastic sheeting to control dust and possible odor emissions.

At approximately 16 ft in the UST excavation, groundwater began to flow into the excavation at approximately 60 gallons per minute. Excavation was halted at this point and shoring was placed around the perimeter of the excavation to stabilize the excavation walls and facilitate the installation of the new USTs. **Figure 3** shows the extent of the final UST excavation.

The excavation outside of the shoring was backfilled and compacted with clean imported backfill. The tank excavation within the shoring was filled when Matriks installed a new 20,000-gallon diesel UST and a 12,000-gallon gasoline UST within the shored area and backfilled the remainder of the excavation with new 1/8 inch pea gravel. Matriks also constructed a 6-inch extraction well (EX-2) in the pea gravel backfill for observation and future removal of petroleum hydrocarbon contaminated groundwater. Matriks also installed 6- inch PVC conduits between the tank excavation and the southwest corner of the building for future remedial activities. The PVC conduits were buried approximately 24-inches below the surface grade. The extraction well and conduit are shown on **Figure 3** Cook Environmental prepared and submitted to ACEHS, an *Interim Remedial Action Report*, dated September 18, 2008.

Dispenser Excavation

Petroleum hydrocarbon contaminated soil was also removed in the vicinity of the dispenser island. The trench excavated in the former dispenser area was 61 ft long, 14 ft wide and had an average depth of 12 ft. Trench dimensions are depicted in **Figure 3**. The contaminated soil was also transported to West Contra Costa Sanitary Landfill between July 10 and 17, 2008.

The dispenser island trench was backfilled with ¾-inch crushed rock to approximately 3 feet below surface grade to facilitate future groundwater and free-phase product removal. The crushed rock was covered with filter fabric and backfilled to grade with clean imported soil. A 6-inch extraction well (EX-1) was constructed within the crushed rock backfill material for observation and in anticipation of future groundwater removal. Matriks also installed 6-inch PVC conduits from this extraction well to the southwest corner of the station building. These

conduits were also buried approximately 24 inches below surface grade. The extraction well and conduit are shown on **Figure 3.**

QUARTERLY MONITORING SCOPE OF WORK

The scope of work performed for this quarterly monitoring included the following tasks:

- Measured static water levels in six monitoring wells;
- Measured groundwater, collected field quality field parameters of pH, temperature, and specific conductance (SC) from each well;
- Purged at least three casing volumes from each well;
- Collected groundwater samples from each well;
- Analyzed groundwater samples for THP-d, TPH-g, BTEX, MtBE, DIPE, EtBE, tAME, tBA, methanol, ethanol, EDB, and DCA (see the *Monitoring Well Purging and Sampling* section of this report for analytical methods used);
- Updated the Geotracker database; and
- Prepared this *Quarterly Monitoring Report*.

METHODS

Groundwater Level Measurements

The quarterly groundwater monitoring event was conducted on September 27, 2008. Water levels were measured in each monitoring well with an electronic water depth indicator. Each well cap was removed and the water level was allowed to equilibrate with atmospheric pressure for approximately 30 minutes before taking a water depth measurement. The static water level measurements were referenced to the surveyed marks on the top of each well casing. The depth-to-water measurements were used to calculate the purge volume of each monitoring well.

Monitoring Well Purging and Sampling

At least three well volumes were purged from each well using a clean disposable bailer. Well EX-1 contained free-phase floating hydrocarbons with a thickness of approximately 0.005 feet and was therefore not sampled. During purging, groundwater temperature, pH, and SC were measured and recorded on regular intervals with portable instrumentation. Water quality measurements were recorded on monitoring well sampling logs, copies of which are included in

Appendix A. Well purge water was placed into labeled 55-gallon, DOT-approved steel drums, sealed, and temporarily stored onsite for subsequent proper disposal.

Following purging, groundwater samples were collected from each monitoring well using a new disposable bailer. Samples for TPH-G, BTEX, and fuel oxygenates were decanted into laboratory supplied 40-mL volatile organic analysis (VOA) vials containing hydrochloric acid as a preservative. Care was taken to eliminate headspace in each VOA prior to capping. Samples for TPH-d were decanted into laboratory supplied 1-liter amber glass jars. Samples were labeled to indicate the project number, sample ID, and date collected. The same information was recorded on the chain-of-custody forms. Samples were stored in a cooler with ice for transport to the laboratory.

Samples were submitted under documented chain-of-custody control to McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California (DHS ELAP Certification No. 1644) and analyzed for TPH-g and TPH-d by EPA Method 8015 modified; for BTEX by EPA Method 8021B; and for MtBE, DIPE, EtBE, tAME, tBA, methanol, ethanol, EDB, and DCA by EPA Method 8260B.

RESULTS

Groundwater Levels and Gradient

The groundwater flow direction is calculated to be to the south-southeast, toward San Francisco Bay and the unnamed creek, with a gradient of 0.008 foot per foot. Depth to groundwater in each well and groundwater elevations and groundwater monitoring well construction details are included in **Table 1**. Historical groundwater elevation data are included in **Table 2**. Groundwater elevation contours are depicted on **Figure 4**. Graphs of groundwater elevation versus time for selected monitoring wells are presented on **Figure 5**.

Groundwater Analytical Results

The highest concentrations of petroleum hydrocarbons were detected in MW-2. MtBE was detected at 61 µg/L, TPH-d was detected at 290 µg/L, and TPH-g was detected at 1,500 µg/L. Each of these concentrations is above the environmental screening level (ESL) for these constituents in groundwater. Benzene was not detected but the detection limit for benzene in this sample was 10 µg/L, which is ten times above the benzene ESL. The constituent tBA was also detected in each monitoring well sample in concentrations as high as 17,000 µg/L in MW-2, however, this is below the ESL for tBA of 18,000 µg/L. Concentrations of petroleum hydrocarbons detected in groundwater samples collected during this groundwater monitoring event were within the range of historically detected concentrations. Groundwater analytical results for this and previous groundwater monitoring events are summarized in **Table 3**. A copy of the laboratory analytical report is included in **Appendix B**.

Geotracker Requirements

All analytical data were submitted electronically to the California State Water Resources Control Board Geotracker database as required by State Assembly Bill 2886 (Water Code Section 13195-13198). Electronic data files were prepared and formatted by McCampbell and electronically submitted by Matriks. Well latitudes, longitudes (GEO_XY files), and elevations (GEO_Z files) were previously submitted to the database. Well status and usage reports (GEO_WELL file) were also prepared and submitted for this groundwater monitoring event as was a complete electronic copy of this report (GEO_REPORT file) in PDF format.

CONCLUSIONS

The groundwater flow direction calculated for this quarterly event is west with a gradient of 0.002. Free-phase petroleum hydrocarbons are still present in EX-1 in the dispenser area, but its thickness appears to have been reduced by the removal of free-phase product, water and soil during the Site remedial activities conducted in July 2008. The constituent tBA appears to be increasing in concentration with time in MW-2, MW-5 and MW-9. The concentration of tBA appears to be deceasing or remaining about the same in the remainder of the wells. Historically, the tBA concentration in MW-9 has been observed above ESL. This well is located approximately 60 feet down-gradient of the Site. We believe that the lateral and vertical extent of petroleum hydrocarbons in groundwater has been adequately characterized and no further lateral characterization is warranted.

RECOMMENDATIONS

We recommend that the Site be observed for two additional quarters to analyze the effects of the groundwater remediation conducted to date. This will provide water quality data for one full hydrologic cycle since the completion of the July 2008 remedial action. In addition we recommend the removal of free-phase product from groundwater in EX-1. This would best be accomplished by the installation of a passive free-phase product skimmer in this monitoring well. The skimmer should be serviced on a weekly basis for at least four weeks and the schedule revised based on the results.

While MW-3 was in place and sampled regularly, it contained some of the highest concentrations of benzene and MtBE detected in groundwater samples. Groundwater in this general vicinity is currently not monitored because MW-3 was removed during the July 2008 remedial action. We also recommend the installation of a new groundwater monitoring well west of the tank pit to replace MW-3. This well should be constructed as a 4-inch well in a large flush-mounted well box to allow for additional groundwater extraction.

The feasibility of using a vacuum truck to periodically remove free-phase product from EX-1 should also be evaluated. It may be possible for a waste oil removal service company to

conduct this activity on a milk-run basis after receiving training on the procedure from Matriks. It appears likely that the installation of a permanent groundwater and free-phase product removal system in these locations will be necessary to expedite Site remediation. This will be evaluated in a forthcoming Feasibility Study.

We also recommend the installation of a stadia rod in Elmhurst Creek and the quarterly collection of creek elevation levels so that the relationship between water levels in the creek and on site may be assessed.

FIGURES

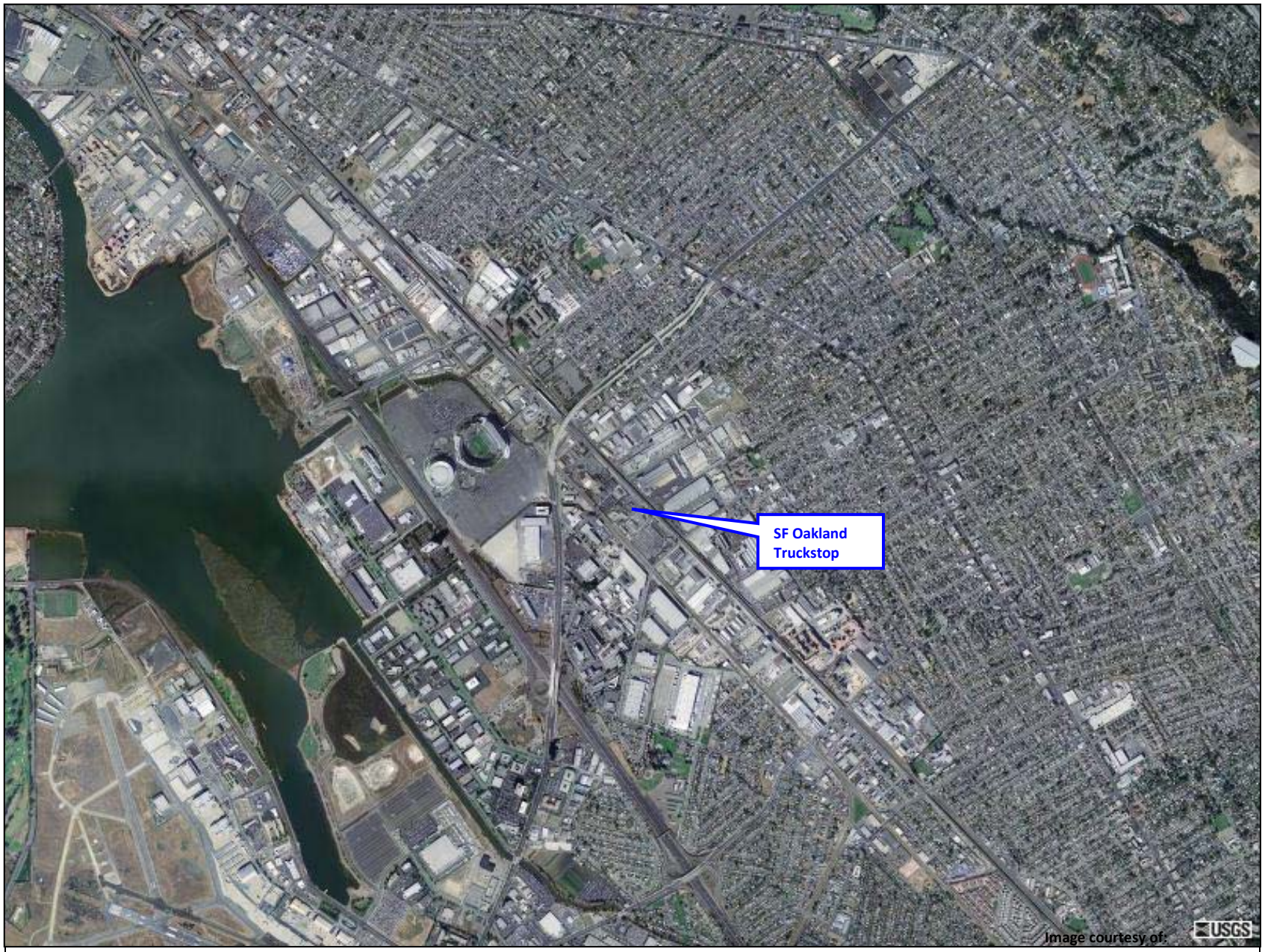
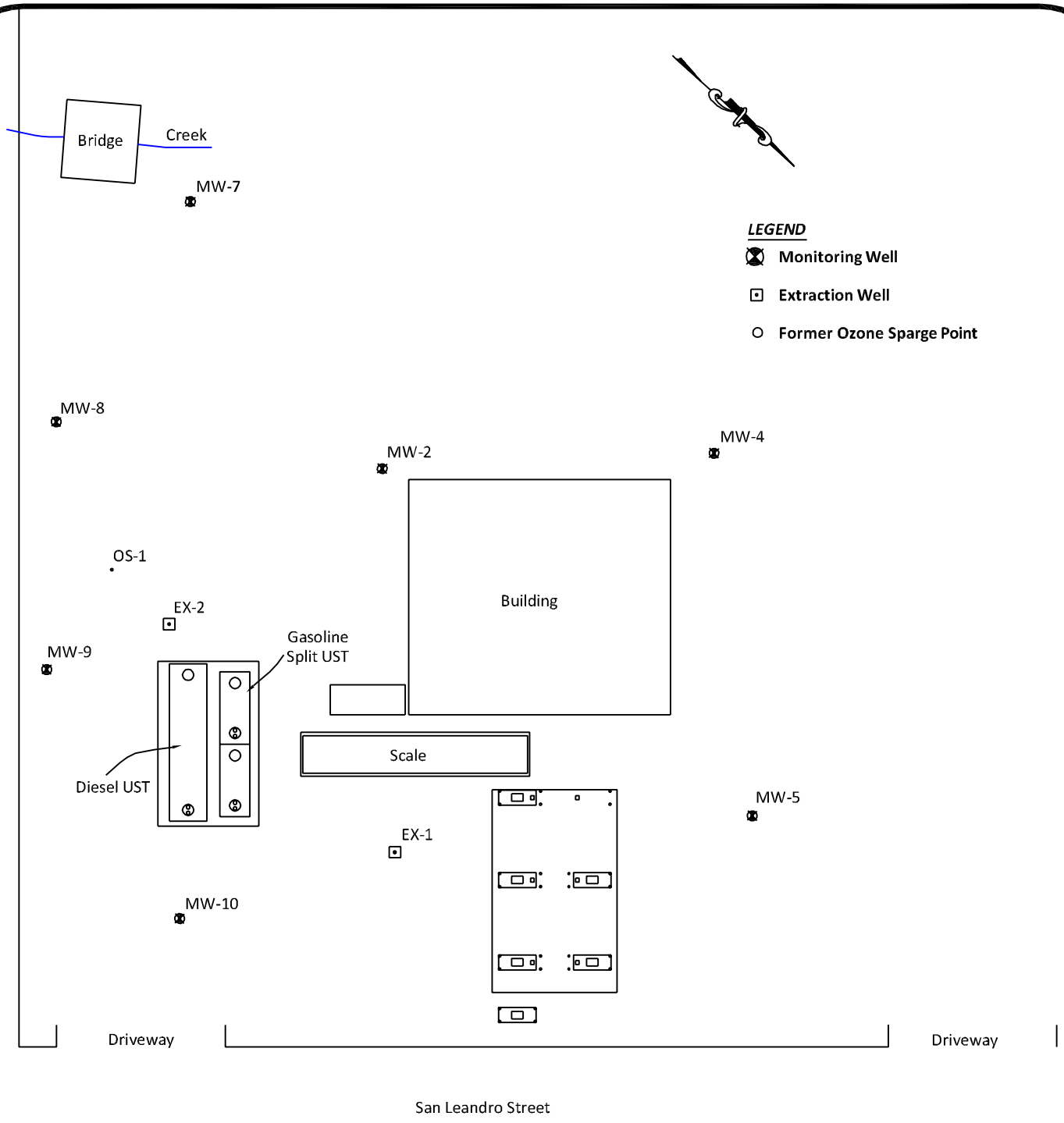


Figure 1

Site Location Map
SF Oakland Truck Stop
8255 San Leandro Street,Oakland, CA

MATRIKS
321 Court Street
Woodland, CA 95695
Lic. 909563

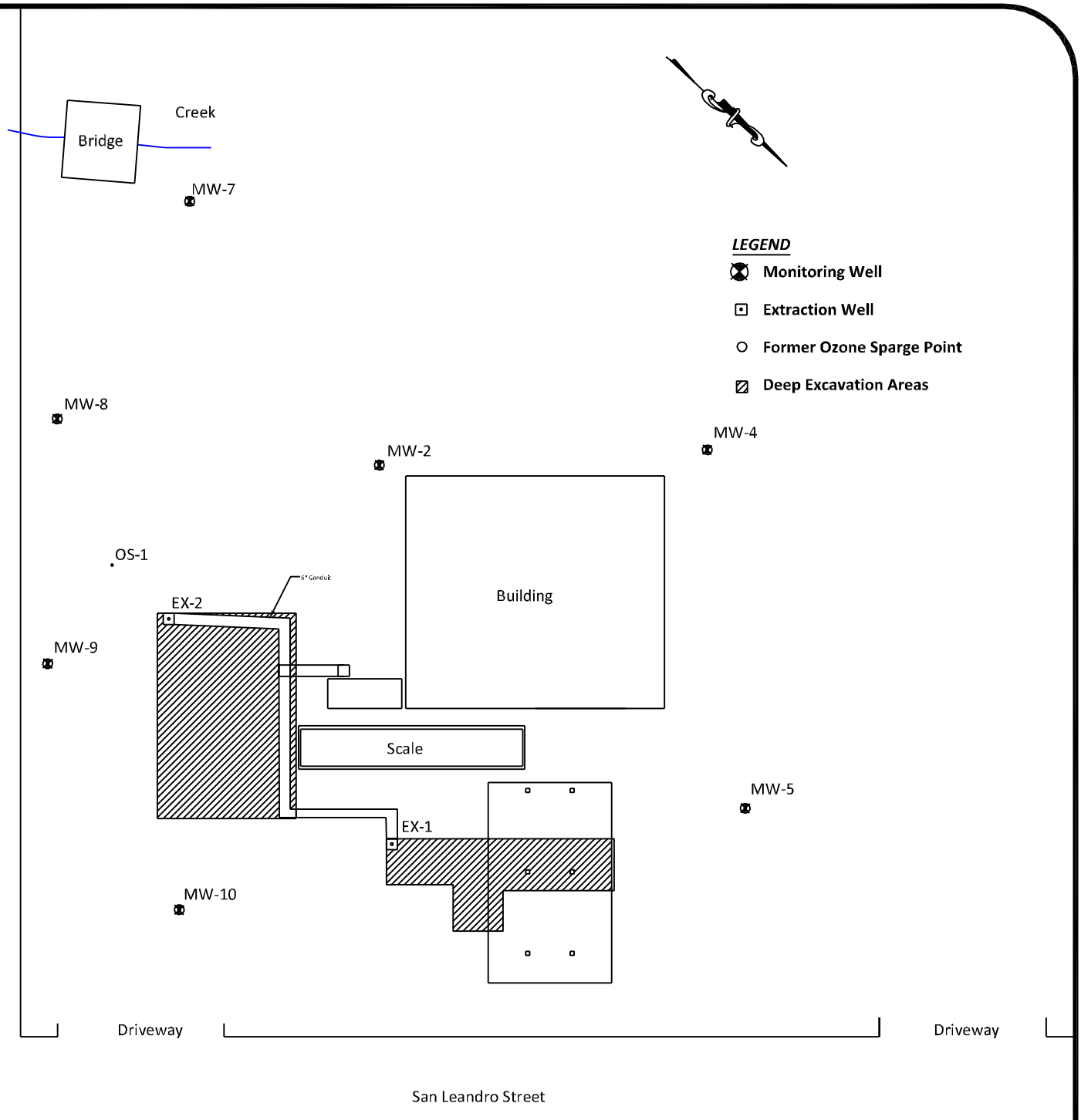


Site Plan

Oakland Truck Stop
8255 San Leandro Street
Oakland, California

MATRIKS
321 Court Street
Woodland, California 95695
(530) 406-1760
Lic. No. 909563
Fax# (530) 406-1760

Project #: 6019	Figure: 2
Date: 11/04/2009	
Scale: 1" = 40'	



Excavation Plan

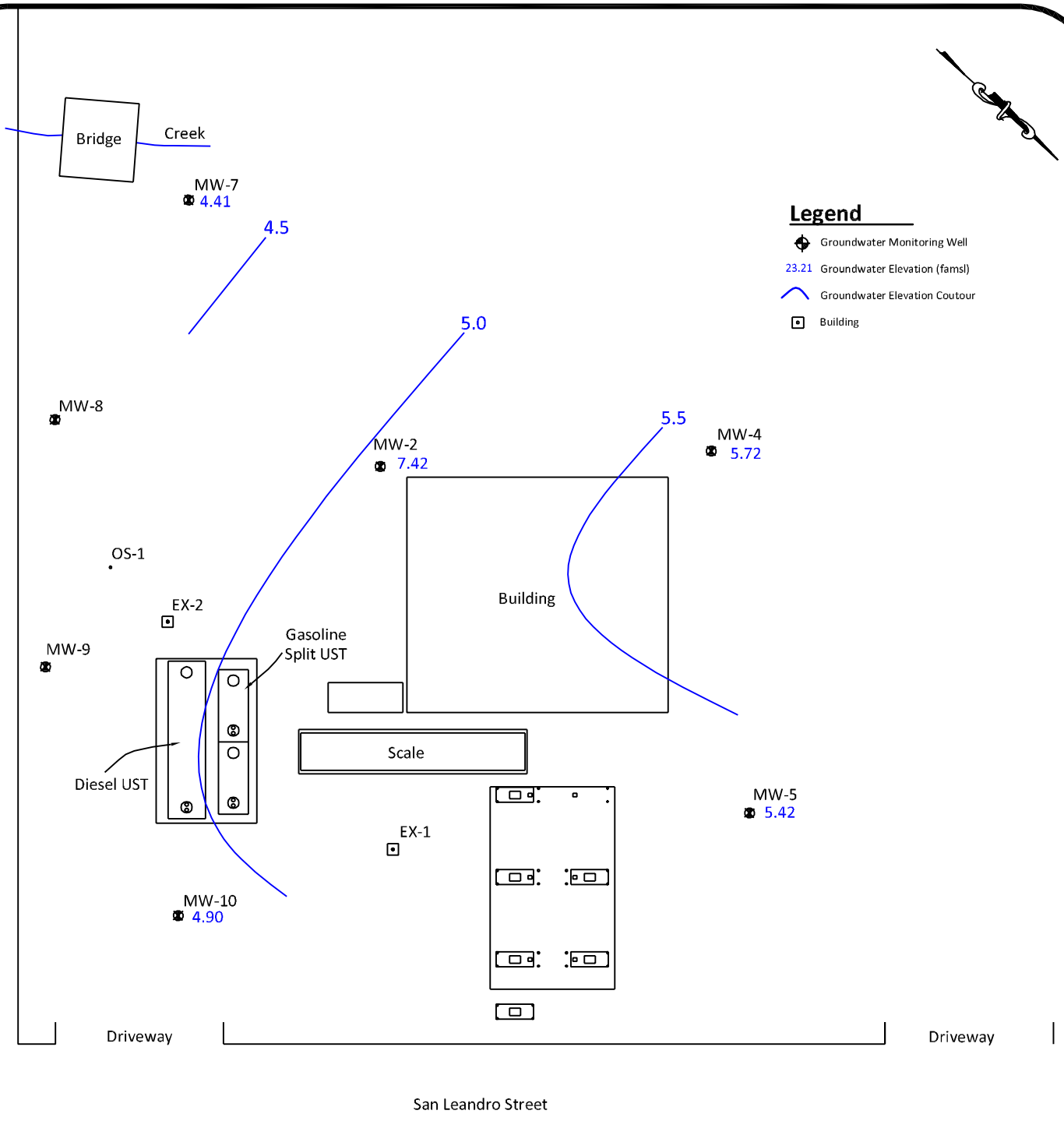
Oakland Truck Stop
8255 San Leandro Street
Oakland, California

MATRIKS

321 Court Street
Woodland, California 95695
(530) 406-1760

Lic. No. 909563
Fax# (530) 406-1760

Project#: 6020	Figure: 3
Date: 11/04/08	
Scale: 1" = 40'	



Site Groundwater Gradient

MATRIKS

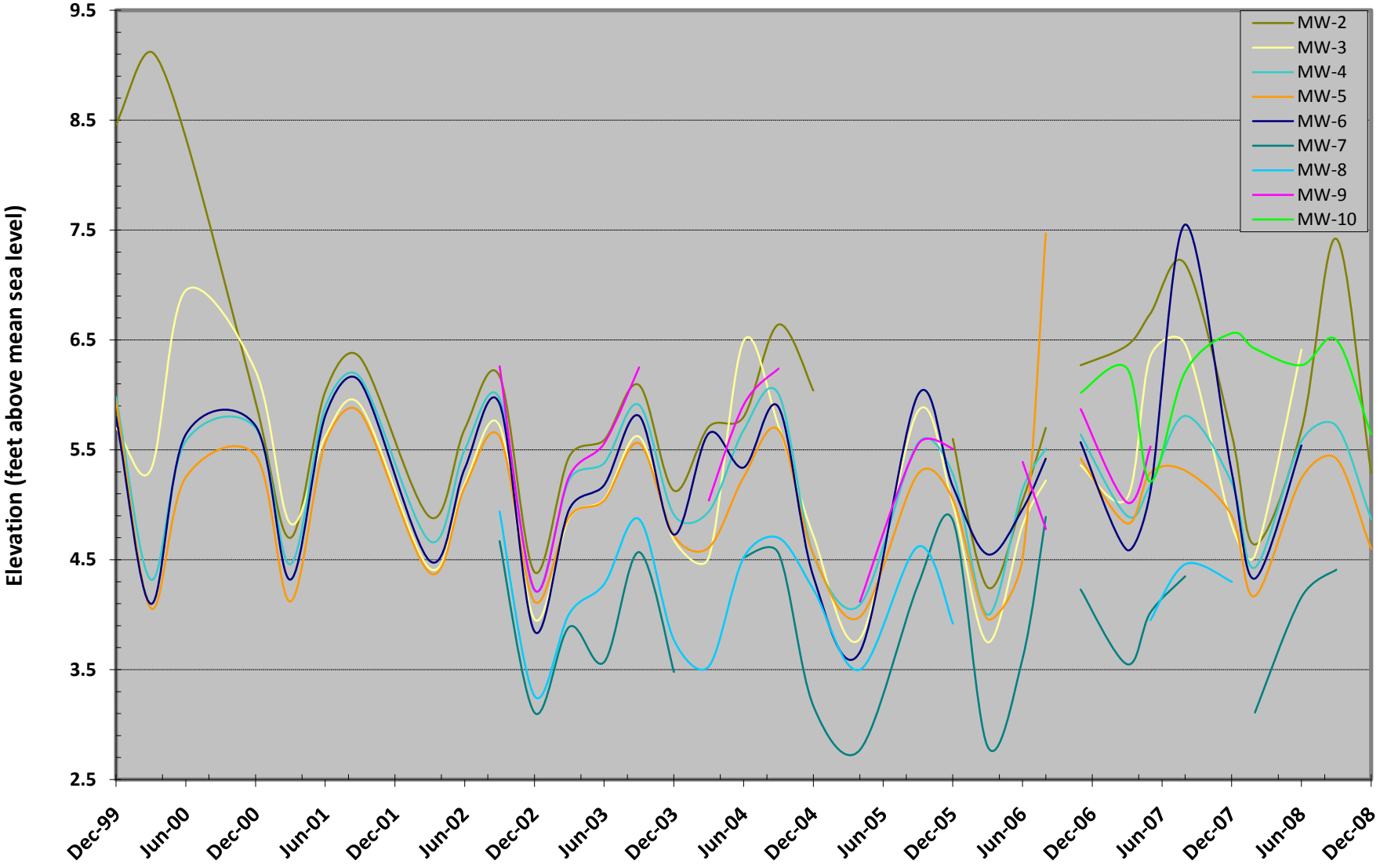
321 Court Street
Woodland, California 95695
(530) 406-1760

Lic. No. 909563
Fax# (530) 406-1760

Oakland Truck Stop
8255 San Leandro Street
Oakland, California

Project #: 6019	Figure: 4
Date: 11/04/2008	
Scale: 1" = 40'	

Figure 5. Monitoring Well Hydrographs
Oakland Truck Stop
Oakland, CA



TABLES

Table 1
Well Construction Details
Oakland Truck Stop, Oakland, California

Well ID	Date Installed	Total Depth (feet)	Screened Interval (feet)	Water-Bearing Zone	Screen Slot Size (inches)	Filter Pack Interval (feet)	Bentonite Interval (feet)	Grout Interval (feet)	TOC Elevation (feet amsl)	Northing Coordinates (feet)	Easting Coordinates (feet)	Comments
MW-1	02/18/99	16.5	15.5-5.5	Clay	0.02	16.5-4.5	4.5-3	3--1	11.02	2099557.04	6072595.30	Well abandoned 7-08
EX-1	07/28/08	13.5	13.5 - 1	3/4 Crush rock	0.5	NA	NA	NA	8.21	2099537.05	6072605.07	Well placed in remediation french drain for extraction
MW-2	02/19/99	16.5	15.5.5	Clayey Fine Sand	0.02	16.5-4.5	4.5-3	3--1	10.63	2099465.48	6072531.46	
MW-3	02/18/99	16.5	15.5 - 5.5	Clay	0.02	16.5-4.5	4.5-3	3--1	10.33	2099455.51	6072586.53	Well abandoned 7-08
MW-4	02/19/99	16.5	15 - 5.5	Clay	0.02	16.5-4.5	4.5-3	3--1	10.42	2099528.03	6072468.70	
MW-5	12/01/99	15	15 - 5	Clay	0.02	15-4	4-3.5	3.5-1.5	10.13	2099600.85	6072533.52	
MW-6	12/01/99	15	15 - 5	Sandy Silt	0.02	15-4	4-3.5	3.5-1.5	10.71	2099444.41	6072615.62	Well abandoned 7-08
EX-2	07/28/08	17	17 - 1	pea gravel	0.5	NA	NA	NA	8.18	2099430.44	6072600.10	Well placed in UST pea gravel for extraction
MW-7	07/08/02	16.5	16.5 - 5	Silty Sand, Clayey Silt	0.02	16.5-4	4-3.5	3.5-1.5	9.08	2099379.77	6072513.11	
MW-8	07/08/02	15.5	15 - 5	Silty Sand, Clayey Silt	0.02	15.5-4	4-3.5	3.5-1.5	9.61	2099392.92	6072580.86	
MW-9	07/08/02	20	20 - 5	Silty Sand, Silty Clay	0.02	20-4	4-3.5	3.5-1.5	10.99	2099435.20	6072631.28	
MW-10	10/10/06	20	20 - 5	Silty Clay	0.02	20-4	4-3.5	3.5-1.5	11.40	2099506.21	6072656.48	

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-1	08/16/99	**11.02**	NM	NM	
	08/27/99		6.85	4.17	
	09/10/99		6.65	4.37	0.20
	09/24/99		6.87	4.15	-0.22
	10/08/99		6.81	4.21	0.06
	10/22/99		6.94	4.08	-0.13
	11/02/99		6.91	4.11	0.03
	11/19/99		6.93	4.09	-0.02
	12/06/99		5.93	5.09	1.00
	03/08/00		6.57	4.45	-0.64
	06/14/00		6.70	4.32	-0.13
	12/11/00		5.75	5.27	0.95
	03/06/01		7.60	3.42	-1.85
	06/06/01		6.80	4.22	0.80
	09/04/01		7.47	3.55	-0.67
	03/11/02		6.49	4.53	0.98
	06/06/02		6.49	4.53	0.00
	09/04/02		6.89	4.13	-0.40
	12/17/02		4.65	6.37	2.24
	03/07/03		6.55	4.47	-1.90
	06/05/03		9.77	1.25	-3.22
	09/19/03		6.56	4.46	3.21
	12/12/03		5.63	5.39	0.93
	03/15/04		7.11	3.91	-1.48
	06/22/04		NM	NM	
	09/21/04		NM	NM	
	12/30/04		NM	NM	
	04/06/05		5.70	5.32	
	09/29/05		5.40	5.62	0.30
	12/09/05		10.70	0.32	-5.30
	03/07/06		9.05	1.97	1.65
	06/20/06		4.61	6.41	4.44
	08/23/06		5.51	5.51	-0.90
	10/12/06		NM	NM	
	11/09/06		5.56	5.46	
	03/20/07		9.69	1.33	-4.13
	05/17/07		9.55	1.47	0.14
	08/16/07		6.95	4.07	2.60
	12/05/07		5.50	5.52	1.45
	02/27/08		7.28	3.74	
	06/28/08		NM	NM	
	09/27/08	Well Abandoned 7/3/08			
EX-1	09/27/08	**8.21**			

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-2	08/16/99	**10.63**	6.30	4.33	
	08/27/99		NM	NM	
	09/10/99		NM	NM	
	09/24/99		NM	NM	
	10/08/99		NM	NM	
	10/22/99		NM	NM	
	11/02/99		NM	NM	
	11/19/99		NM	NM	
	12/06/99		8.46	2.17	
	03/08/00		9.12	1.51	-0.66
	06/14/00		8.34	2.29	0.78
	12/11/00		5.94	4.69	2.40
	03/06/01		4.70	5.93	1.24
	06/06/01		6.03	4.60	-1.33
	09/04/01		6.34	4.29	-0.31
	03/11/02		4.89	5.74	1.45
	06/06/02		5.69	4.94	-0.80
	09/04/02		6.17	4.46	-0.48
	12/17/02		4.39	6.24	1.78
	03/07/03		5.44	5.19	-1.05
	06/05/03		5.59	5.04	-0.15
	09/19/03		6.09	4.54	-0.50
	12/12/03		5.13	5.50	0.96
	03/15/04		5.71	4.92	-0.58
	06/22/04		5.80	4.83	-0.09
	09/21/04		6.64	3.99	-0.84
	12/30/04		6.04	4.59	0.60
	04/06/05		NM	NM	
	09/29/05		NM	NM	
	12/09/05		5.60	5.03	
	03/07/06		4.25	6.38	1.35
	06/20/06		5.04	5.59	-0.79
	08/23/06		5.70	4.93	-0.66
	10/12/06		NM	NM	
	11/09/06		6.27	4.36	
	03/20/07		6.45	4.18	-0.18
	05/17/07		6.74	3.89	-0.29
	08/16/07		7.19	3.44	-0.45
	12/05/07		5.64	4.99	1.55
	02/27/08		4.64	5.99	1.00
	06/28/08		5.68	4.95	-1.04
	09/27/08	**10.63**	7.42	3.21	-1.74

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-3	08/16/99	10.32	5.85	4.47	
	08/27/99		NM	NM	
	09/10/99		NM	NM	
	09/24/99		NM	NM	
	10/08/99		NM	NM	
	10/22/99		NM	NM	
	11/02/99		NM	NM	
	11/19/99		NM	NM	
	12/06/99		5.7	4.62	
	03/08/00		5.32	5.00	0.38
	06/14/00		6.95	3.37	-1.63
	12/11/00		6.22	4.10	0.73
	03/06/01		4.83	5.49	1.39
	06/06/01		5.62	4.70	-0.79
	09/04/01		5.91	4.41	-0.29
	03/11/02		4.42	5.90	1.49
	06/06/02		5.19	5.13	-0.77
	09/04/02		5.72	4.60	-0.53
	12/17/02		3.96	6.36	1.76
	03/07/03		4.88	5.44	-0.92
	06/05/03		5.05	5.27	-0.17
	09/19/03		5.62	4.70	-0.57
	12/12/03		4.68	5.64	0.94
	03/15/04		4.52	5.80	0.16
	06/22/04		6.49	3.83	-1.97
	09/21/04		5.72	4.60	0.77
	12/30/04		4.72	5.60	1.00
	04/06/05		3.78	6.54	0.94
	09/29/05		5.85	4.47	-2.07
	12/09/05		5.01	5.31	0.84
	03/07/06		3.75	6.57	1.26
	06/20/06		4.81	5.51	-1.06
	08/23/06		5.22	5.10	-0.41
	10/12/06		NM	NM	
	11/09/06		5.36	4.96	
	03/20/07		5.06	5.26	0.30
	05/17/07		6.35	3.97	-1.29
	08/16/07		6.46	3.86	-0.11
	12/05/07		4.82	5.50	1.64
	02/27/08		4.54	5.78	0.28
	06/28/08		6.41	3.91	-1.87
	09/27/08	Well Abandoned 7/3/08			

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-4	08/16/99	10.50	6.12	4.38	
	08/27/99		NM	NM	
	09/10/99		NM	NM	
	09/24/99		NM	NM	
	10/08/99		NM	NM	
	10/22/99		NM	NM	
	11/02/99		NM	NM	
	11/19/99		NM	NM	
	12/06/99		5.98	4.52	
	03/08/00		4.32	6.18	1.66
	06/14/00		5.58	4.92	-1.26
	12/11/00		5.70	4.80	-0.12
	03/06/01		4.46	6.04	1.24
	06/06/01		5.89	4.61	-1.43
	09/04/01		6.16	4.34	-0.27
	03/11/02		4.67	5.83	1.49
	06/06/02		5.50	5.00	-0.83
	09/04/02		5.97	4.53	-0.47
	12/17/02		4.22	6.28	1.75
	03/07/03		5.23	5.27	-1.01
	06/05/03		5.38	5.12	-0.15
	09/19/03		5.91	4.59	-0.53
	12/12/03		4.91	5.59	1.00
	03/15/04		4.94	5.56	-0.03
	06/22/04		5.68	4.82	-0.74
	09/21/04		6.01	4.49	-0.33
	12/30/04		4.55	5.95	1.46
	04/06/05		4.09	6.41	0.46
	09/29/05		5.56	4.94	-1.47
	12/09/05		5.28	5.22	0.28
	03/07/06		4.00	6.50	1.28
	06/20/06		5.14	5.36	-1.14
	08/23/06		5.51	4.99	-0.37
	10/12/06		NM	NM	
	11/09/06		5.64	4.86	
	03/20/07		4.90	5.60	0.74
	05/17/07		5.18	5.32	-0.28
	08/16/07		5.81	4.69	-0.63
	12/05/07		5.20	5.30	0.61
	02/27/08		4.43	6.07	0.77
	06/28/08		5.58	4.92	-1.15
	09/27/08	10.42	5.72	4.70	-0.22

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-5	12/06/99	**10.20**	5.94	4.26	
	03/08/00		4.06	6.14	1.88
	06/14/00		5.25	4.95	-1.19
	12/11/00		5.45	4.75	-0.20
	03/06/01		4.12	6.08	1.33
	06/06/01		5.56	4.64	-1.44
	09/04/01		5.84	4.36	-0.28
	03/11/02		4.38	5.82	1.46
	06/06/02		5.16	5.04	-0.78
	09/04/02		5.62	4.58	-0.46
	12/17/02		4.12	6.08	1.50
	03/07/03		4.89	5.31	-0.77
	06/05/03		5.04	5.16	-0.15
	09/19/03		5.56	4.64	-0.52
	12/12/03		4.72	5.48	0.84
	03/15/04		4.61	5.59	0.11
	06/22/04		5.25	4.95	-0.64
	09/21/04		5.68	4.52	-0.43
	12/30/04		4.55	5.65	1.13
	04/06/05		3.98	6.22	0.57
	09/29/05		5.28	4.92	-1.30
	12/09/05		5.05	5.15	0.23
	03/07/06		3.96	6.24	1.09
	06/20/06		4.51	5.69	-0.55
	08/23/06		7.47	2.73	-2.96
	10/12/06		NM	NM	
	11/09/06		5.42	4.78	
	03/20/07		4.83	5.37	0.59
	05/17/07		5.29	4.91	-0.46
	08/16/07		5.31	4.89	-0.02
	12/05/07		4.90	5.30	0.41
	02/27/08		4.17	6.03	0.73
	06/28/08		5.24	4.96	-1.07
	09/27/08	**10.13**	5.42	4.71	-0.25

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-6	12/06/99	**10.71**	5.8	4.91	
	03/08/00		4.1	6.61	1.7
	06/14/00		5.64	5.07	-1.54
	12/11/00		5.72	4.99	-0.08
	03/06/01		4.32	6.39	1.4
	06/06/01		5.81	4.9	-1.49
	09/04/01		6.12	4.59	-0.31
	03/11/02		4.49	6.22	1.63
	06/06/02		5.33	5.38	-0.84
	09/04/02		5.92	4.79	-0.59
	12/17/02		3.85	6.86	2.07
	03/07/03		4.96	5.75	-1.11
	06/05/03		5.18	5.53	-0.22
	09/19/03		5.81	4.9	-0.63
	12/12/03		4.73	5.98	1.08
	03/15/04		5.65	5.06	-0.92
	06/22/04		5.34	5.37	0.31
	09/21/04		5.89	4.82	-0.55
	12/30/04		4.35	6.36	1.54
	04/06/05		3.66	7.05	0.69
	09/29/05		6	4.71	-2.34
	12/09/05		5.17	5.54	0.83
	03/07/06		4.55	6.16	0.62
	06/20/06		4.96	5.75	-0.41
	08/23/06		5.42	5.29	-0.46
	10/12/06		NM	NM	
	11/09/06		5.57	5.14	
	03/20/07		4.59	6.12	0.98
	05/17/07		5.12	5.59	-0.53
	08/16/07		7.55	3.16	-2.43
	12/05/07		5.3	5.41	2.25
	02/27/08		4.33	6.38	0.97
	06/28/08		5.54	5.17	-1.21
	09/27/08	Well Abandoned 7/3/08			
EX-2	09/27/08	**8.18**			

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-7	09/04/02	**9.17**	4.67	4.50	
	12/17/02		3.11	6.06	1.56
	03/07/03		3.89	5.28	-0.78
	06/05/03		3.57	5.60	0.32
	09/19/03		4.57	4.60	-1.00
	12/12/03		3.48	5.69	1.09
	03/15/04		NM	NM	
	06/22/04		4.52	4.65	
	09/21/04		4.56	4.61	-0.04
	12/30/04		3.17	6.00	1.39
	04/06/05		2.77	6.40	0.40
	09/29/05		4.27	4.90	-1.50
	12/09/05		4.86	4.31	-0.59
	03/07/06		2.80	6.37	2.06
	06/20/06		3.60	5.57	-0.80
	08/23/06		4.89	4.28	-1.29
	10/12/06		NM	NM	
	11/09/06		4.23	4.94	
	03/20/07		3.55	5.62	0.68
	05/17/07		4.02	5.15	-0.47
	08/16/07		4.35	4.82	-0.33
	12/05/07		NM	NM	
	02/27/08		3.11	6.06	
	06/28/08		4.16	5.01	-1.05
	09/27/08	**9.08**	4.41	4.67	-0.34

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-8	09/04/02	**9.68**	4.94	4.74	
	12/17/02		3.26	6.42	1.68
	03/07/03		4.01	5.67	-0.75
	06/05/03		4.28	5.4	-0.27
	09/19/03		4.87	4.81	-0.59
	12/12/03		3.77	5.91	1.1
	03/15/04		3.53	6.15	0.24
	06/22/04		4.52	5.16	-0.99
	09/21/04		4.7	4.98	-0.18
	12/30/04		4.23	5.45	0.47
	04/06/05		3.5	6.18	0.73
	09/29/05		4.62	5.06	-1.12
	12/09/05		3.92	5.76	0.7
	03/07/06		NM	NM	
	06/20/06		3.84	5.84	
	08/23/06		NM	NM	
	10/12/06		NM	NM	
	11/09/06		4.39	5.29	
	03/20/07		NM	NM	
	05/17/07		3.95	5.73	
	08/16/07		4.46	5.22	-0.51
	12/05/07		4.3	5.38	0.16
	02/27/08		NM	NM	
	06/28/08		NM	NM	
	09/27/08	**9.61**	NM	NM	

Table 2
Groundwater Elevation Data
8255 San Leandro Street
Oakland, California

Well ID	Date	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation	Δ
MW-9	09/04/02	**11.07**	6.26	4.81	
	12/17/02		4.23	6.84	2.03
	03/07/03		5.26	5.81	-1.03
	06/05/03		5.56	5.51	-0.30
	09/19/03		6.25	4.82	-0.69
	12/12/03		NM	NM	
	03/15/04		5.04	6.03	
	06/22/04		5.91	5.16	-0.87
	09/21/04		6.24	4.83	-0.33
	12/30/04		NM	NM	
	04/06/05		4.12	6.95	
	09/29/05		5.55	5.52	-1.43
	12/09/05		5.51	5.56	0.04
	03/07/06		NM	NM	
	06/20/06		5.39	5.68	
	08/23/06		4.78	6.29	0.61
	10/12/06		NM	NM	
	11/09/06		5.87	5.20	
	03/20/07		5.02	6.05	0.85
	05/17/07		5.53	5.54	-0.51
	08/16/07		NM	NM	
	12/05/07		NM	NM	
	02/27/08		NM	NM	
	06/28/08		5.90	5.17	
	09/27/08	**10.99**	NM	NM	
MW-10	10/12/06	**11.56**	6.02	5.54	
	11/09/06		6.24	5.32	-0.22
	03/20/07		5.21	6.35	1.03
	05/17/07		6.21	5.35	-1.00
	08/16/07		6.56	5.00	-0.35
	12/05/07		6.42	5.14	0.14
	06/28/08		6.27	5.29	0.15
	09/27/08	**11.4**	6.50	4.90	-0.39

All measurements are in feet. DTW = Depth to water below top of PVC casing.
TOC = Top of casing. ELEV = Elevation above mean sea level.
D = The change in water level (elevation this quarter minus elevation last quarter).
NM = not measured
Δ = Change in groundwater elevation from previous event

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-1	08/16/99	Not Sampled Due to Free-Floating Hydrocarbons											
	12/06/99	Not Sampled Due to Free-Floating Hydrocarbons											
	03/08/00	Not Sampled Due to Free-Floating Hydrocarbons											
	06/14/00	Not Sampled Due to Free-Floating Hydrocarbons											
	12/11/00	Not Sampled Due to Free-Floating Hydrocarbons											
	03/06/01	Not Sampled Due to Free-Floating Hydrocarbons											
	06/06/01	Not Sampled Due to Free-Floating Hydrocarbons											
	09/04/02	Not Sampled Due to Free-Floating Hydrocarbons											
	03/11/02	Not Sampled Due to Free-Floating Hydrocarbons											
	06/06/02	Not Sampled Due to Free-Floating Hydrocarbons											
	09/04/02	Not Sampled Due to Free-Floating Hydrocarbons											
	12/17/02	Not Sampled Due to Free-Floating Hydrocarbons											
	03/07/03	Not Sampled Due to Free-Floating Hydrocarbons											
	06/05/03	Not Sampled Due to Free-Floating Hydrocarbons											
	09/19/03	Not Sampled Due to Free-Floating Hydrocarbons											
	12/12/03	Not Sampled Due to Free-Floating Hydrocarbons											
	03/15/04	Not Sampled Due to Free-Floating Hydrocarbons											
	06/22/04	Not Sampled Due to Free-Floating Hydrocarbons											
	09/21/04	Not Sampled Due to Free-Floating Hydrocarbons											
	12/30/04	Not Sampled Due to Free-Floating Hydrocarbons											
	04/06/05	Not Sampled Due to Free-Floating Hydrocarbons											
	09/29/05	Not Sampled Due to Free-Floating Hydrocarbons											
	12/09/05	Not Sampled Due to Free-Floating Hydrocarbons											
	03/06/06	Not Sampled Due to Free-Floating Hydrocarbons											
	06/20/06	Not Sampled Due to Free-Floating Hydrocarbons											
	08/23/06	Not Sampled Due to Free-Floating Hydrocarbons											
	11/16/06	Not Sampled Due to Free-Floating Hydrocarbons											
	03/20/07	Not Sampled Due to Free-Floating Hydrocarbons											
	05/17/07	Not Sampled Due to Free-Floating Hydrocarbons											
	08/16/07	Not Sampled Due to Free-Floating Hydrocarbons											
	12/05/07	Not Sampled Due to Free-Floating Hydrocarbons											
	02/27/08	Not Sampled Due to Free-Floating Hydrocarbons											
	06/28/08	Not Sampled Due to Free-Floating Hydrocarbons											
	07/03/08	Well Abandoned											
EX-1	09/27/08	Not Sampled Due to Free-Floating Hydrocarbons 0.005 feet											

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-2	08/16/99	**2,200**	**970**	<500	**3.8**	<2.0	3	<4.0	<20	NA	NA	NA	NA
	12/06/99	**1,900**	**400**	<500	**16**	<0.5	1.5	<0.5	**5.2**	NA	NA	NA	NA
	03/08/00	**1,600***	**530**	<500	**9.7**	<0.5	2.7	<0.5	**27**	NA	NA	NA	NA
	06/14/00	**2,000**	**75**	<100	**2.8**	<0.5	3.4	<0.5	**16**	3.4	<0.5	<0.5	64
	12/11/00	**1,000**	**120**	<100	**2.6**	<0.5	<0.5	<0.5	**15**	2.9	<0.5	<0.5	62
	03/06/01	**1,500**	**1400**	NA	**2.2**	<0.5	1.7	<0.5	**22**	3.4	<0.5	<0.5	83
	06/06/01	**1,700**	**190**	NA	**2.6**	<0.5	2.3	<0.5	**26**	3.2	<0.5	<0.5	83
	09/04/02	**2,000**	**450**	NA	**2.7**	<0.5	2.1	<0.5	**33**	3.4	<0.5	<0.5	93
	03/11/02	**1,100**	**410**	NA	**1.0**	<0.5	0.5	<0.5	**26**	2.5	<0.5	<0.5	69
	06/06/02	**900**	**430**	NA	**1.2**	<0.5	<0.5	<0.5	**23**	2.8	<0.5	<0.5	73
	09/04/02	**910**	**510**	NA	**1.6**	<0.5	<0.5	<0.5	**45**	2.5	<0.5	<0.5	67
	12/17/02	**190**	**220**	NA	0.65	<0.5	<0.5	<0.5	**34**	1.5	<0.5	<0.5	46
	03/07/03	**380**	**300**	NA	0.81	<0.5	<0.5	<0.5	**50**	1.9	<0.5	<0.5	73
	06/05/03	**2,200**	**2200**	NA	**1.7**	<0.5	1.5	<0.5	**180**	4.9	<0.5	1.3	110
	09/19/03	**2,300**	**520**	NA	**2**	<0.5	2.1	<0.5	**180**	3.7	<0.5	1.1	120
	12/12/03	**3,000**	**2200**	NA	**2.1**	<0.5	1.7	<0.5	**250**	4.5	<0.5	1.6	130
	03/15/04	Not Sampled - Truck Parked on Well							Not Sampled - Truck Parked on Well				
	06/22/04	**1,600**	**420**	NA	**1.3**	<0.5	1.0	<0.5	**580**	4.6	<0.5	3.9	340
	09/21/04	**2,500**	<400	NA	**1.2**	<0.5	1.5	<0.5	**730**	5.9	<0.5	4.9	550
	12/30/04	**1,800**	<300	NA	**1.2**	<1.0	<1.0	<1.0	**540**	5	<1.0	3.6	400
	04/06/05	Not Sampled - Truck Parked on Well											
	09/29/05	Not Sampled - Truck Parked on Well											
	12/09/05	**1,000**	**720**	NA	**1.0**	<0.7	<0.7	<0.7	**330**	6.5	<0.7	2.3	1,800
	03/06/06	**1,000**	<80	NA	**1.2**	<0.5	0.6	<0.5	**290**	5.4	<0.5	1.9	1,600
	06/20/06	**1,100**	<80	NA	**1.6**	<0.5	1.0	<0.5	**280**	5.8	<0.5	1.5	<1,500
	08/23/06	**1,600**	<200	NA	**1.5**	<0.9	<0.9	<0.9	**290**	5.5	<0.9	1.8	2,100
	11/16/06	**350**	**120**	NA	0.56	<0.5	<0.5	<0.5	**180**	4.1	<0.5	0.96	1,300
	03/20/07	**460**	**110**	NA	0.67	<0.5	<0.5	<0.5	**160**	4.3	<0.5	0.9	1,500
	05/17/07	**710**	85	NA	<0.5	<0.5	<0.5	<0.5	**160**	4.4	<0.5	0.88	2,000
	08/16/07	**460**	**200**	NA	<0.9	<0.9	<0.9	<0.9	**150**	6.1	<0.9	<0.9	2,700
	12/05/07	**1,500**	<80	NA	<0.9	<0.9	<0.9	<0.9	**66**	3.8	<0.9	<0.9	2,000
	02/27/08	**810**	<80	NA	0.54	<0.5	<0.5	<0.5	**97**	3.6	<0.5	0.52	1,400
	06/28/08	**1,100**	**280**	NA	**2.4**	5.4	<0.5	<0.5	**92**	<10	<10	<10	1,600
	09/27/08	**1,500**	**290**	<250	<10	<10	<10	<10	**61**	<10	<10	<10	1,200

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-3	08/16/99	**56,000**	**10,000****	<500	**17000**	**2600**	**2600**	**1200**	**6,100**	NA	NA	NA	NA
	12/06/99	**40,000**	**9,100***	<500	**16000**	**140**	**1800**	**100**	**4,000**	NA	NA	NA	NA
	03/08/00	**22,000**	**4,500***	<500	**11000**	72	**1100**	**130**	**3,400**	NA	NA	NA	NA
	06/14/00	**34,000**	**16,000**	<100	**13000**	94	**1300**	**160**	**4,800**	31	<10	21	2,700
	12/11/00	**24,000**	**14,000**	<100	**13000**	88	**750**	**120**	**4,300**	<50	<50	<50	2,300
	03/06/01	**34,000**	**12,000**	NA	**15000**	100	**1100**	**130**	**4,000**	<50	<50	<50	2,100
	06/06/01	**34,000**	**20,000**	NA	**14000**	94	**550**	**110**	**4,400**	<50	<50	<50	2,300
	09/04/02	**29,000**	**19,000**	NA	**13000**	83	**480**	**83**	**4,100**	<50	<50	<50	3,400
	03/11/02	**12,000**	**14,000**	NA	**2900**	<20	**110**	<20	**530**	<20	<20	<20	330
	06/06/02	**20,000**	**14,000**	NA	**10000**	<50	**200**	**51**	**2,400**	<50	<50	<50	1,200
	09/04/02	**24,000**	**17,000**	NA	**11000**	<50	**140**	<50	**3,200**	<50	<50	<50	1,400
	12/17/02	**4,900**	**17,000**	NA	**2000**	<10	**52**	**12**	**360**	<10	<10	<10	220
	03/07/03	**8,700**	**16,000**	NA	**1300**	<10	**43**	**11**	**770**	<10	<10	<10	360
	06/05/03	**27,000**	**14,000**	NA	**10000**	53	**220**	**53**	**5,000**	<50	<50	<50	1,600
	09/19/03	**120,000**	**13,000**	NA	**20000**	**170**	**710**	**250**	**6,100**	<25	<25	<25	2,600
	12/12/03	**29,000**	**27,000**	NA	**12000**	74	**240**	**79**	**5,600**	17	<10	30	2,100
	03/15/04	**28,000**	**21,000**	NA	**11000**	72	**220**	**64**	**8,200**	<50	<50	<50	2,900
	06/22/04	**29,000**	**7,600**	NA	**11000**	71	**220**	**54**	**8,400**	<50	<50	<50	3,000
	09/21/04	**33,000**	**<5,000**	NA	**12000**	67	**190**	**56**	**8,200**	<25	<25	47	3,200
	12/30/04	**30,000**	**13,000**	NA	**11000**	62	**170**	**49**	**8,900**	<25	<25	49	3,200
	04/06/05	**29,000**	**46,000**	NA	**10000**	55	**170**	**47**	**8,800**	<25	<25	50	4,400
	09/29/05	**28,000**	**1,800**	NA	**8700**	74	**190**	**53**	**7,300**	<15	<15	53	4,500
	12/09/05	**17,000**	**19,000**	NA	**5600**	40	**110**	**30**	**4,400**	<15	<15	30	2,800
	03/06/06	**11,000**	**16,000**	NA	**3600**	26	**96**	**22**	**2,400**	<7.0	<7.0	19	1,400
	06/20/06	**18,000**	**20,000**	NA	**6900**	45	**130**	**29**	**500**	9.5	<7.0	34	2,900
	08/23/06	**22,000**	**9,500**	NA	**6200**	33	**100**	**19**	**4,800**	9.8	<9.0	34	3,100
	11/16/06	**16,000**	**16,000**	**810**	**5800**	26	**87**	**18.0**	**2,700**	10	<9.0	20	1,800
	03/20/07	**23,000**	**12,000**	**410**	**7600**	39	**100**	**21.0**	**5,000**	16	<8.0	35	3,200
	05/17/07	**22,000**	**18,000**	NA	**10000**	44	**110**	**27.0**	**5,500**	<15	<15	41	3,200
	08/16/07	**16,000**	**63,000**	NA	**5900**	33.0	**66**	**25.0**	**4,600**	<15	<15	39	3,400
	12/05/07	**21,000**	**6,400**	**890**	**8000**	55	**120**	**42**	**4,600**	<15	<15	34	4,600
	02/27/08	**35,000**	**40,000**	**870**	**8800**	54	**100**	**38**	**4,300**	<15	<15	38	3,300
	06/28/08	**31,000**	**7,500**	NA	**12000**	61	**140**	**42**	**7,300**	<120	<120	<120	4,700
	07/03/08	Well Abandoned											

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-4	08/16/99	61***	**1100***	<500	<0.5	<0.5	<0.5	<1.0	**86**	NA	NA	NA	NA
	12/06/99	**130*****	**220***	<500	<1.0	<1.0	<1.0	<1.0	**130**	NA	NA	NA	NA
	03/08/00	<50	**220***	<500	<0.5	<0.5	<0.5	<0.5	**130**	NA	NA	NA	NA
	06/14/00	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**100**	<0.5	<0.5	<0.5	20
	12/11/00	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.5	16
	03/06/01	<50	**670**	NA	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.5	9.9
	06/06/01	<50	**790**	NA	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.5	20
	09/04/02	<50	**950**	NA	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.5	26
	03/11/02	<50	**250**	NA	<0.5	<0.5	<0.5	<0.5	**84**	<0.5	<0.5	<0.5	21
	06/06/02	<50	**710**	NA	<0.5	<0.5	<0.5	<0.5	**92**	<0.5	<0.5	<0.5	21
	09/04/02	<50	**1,100**	NA	<0.5	<0.5	<0.5	<0.5	**150**	<0.5	<0.5	<0.5	18
	12/17/02	<50	**470**	NA	<0.5	<0.5	<0.5	<0.5	**120**	<0.5	<0.5	<0.5	<5.0
	03/07/03	<50	**470**	NA	<0.5	<0.5	<0.5	<0.5	**120**	<0.5	<0.5	0.52	18
	06/05/03	<50	**2,000**	NA	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	0.5	23
	09/19/03	<50	**830**	NA	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.8	23
	12/12/03	<50	**1700**	NA	<0.5	<0.5	<0.5	<0.5	**120**	<0.5	<0.5	<0.5	16
	03/15/04	<50	**2,200**	NA	<0.5	<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.5	20
	09/21/04	<50	**620**	NA	<0.5	<0.5	<0.5	<0.5	**93**	<0.5	<0.5	<0.5	31
	04/06/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**59**	<0.5	<0.5	<0.5	50
	09/29/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	120
	12/09/05	<50	**760**	NA	<0.5	<0.5	<0.5	<0.5	9.5	<0.5	<0.5	<0.5	94
	03/06/06	<50	**470**	NA	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	68
	06/20/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	120
	08/23/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	8.2	<0.5	<0.5	<0.5	140
	11/09/06	<50	**200**	**410**	<0.5	<0.5	<0.5	<0.5	7.7	<0.5	<0.5	<0.5	130
	03/20/07	<50	**860**	NA	<0.5	<0.5	<0.5	<0.5	6.3	<0.5	<0.5	<0.5	42
	05/17/07	<50	**600**	NA	<0.5	<0.5	<0.5	<0.5	5.6	<0.5	<0.5	<0.5	32
	08/16/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	4.6	<0.5	<0.5	<0.5	64
	12/05/07	**1,300**	**2,600**	**5,600**	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	30
	02/27/08	<50	**270**	**400**	<0.5	<0.5	<0.5	<0.5	3.7	<0.5	<0.5	<0.5	9.3
	06/28/08	<50	**150**	NA	<0.5	<0.5	<0.5	<0.5	5.9	<0.5	<0.5	<0.5	37
	09/27/08	<50	**160**	**360**	<0.5	<0.5	<0.5	<0.5	3.9	<0.5	<0.5	<0.5	33

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-5	12/06/99	**450*** **	**2000***	<500	<1.0	<1.0	<1.0	<1.0	**21**	NA	NA	NA	NA
	03/08/00	51***	**530**	<500	<0.5	<0.5	<0.5	<0.5	**84**	NA	NA	NA	NA
	06/14/00	**380**	**1,400**	<100	<0.5	<0.5	<0.5	<0.5	**160**	12	<0.5	<0.5	22
	12/11/00	**540**	**590**	<100	<0.5	<0.5	<0.5	<0.5	**240**	9.5	<0.5	<0.5	32
	03/06/01	**510**	**2,900**	NA	<0.5	<0.5	<0.5	<0.5	**140**	13	<0.5	<0.5	19
	06/06/01	**280**	**2,700**	NA	<0.5	<0.5	<0.5	<0.5	**180**	13	<0.5	<0.5	26
	09/04/02	**630**	**2,600**	NA	<0.5	<0.5	<0.5	<0.5	**180**	9.4	<0.5	<0.5	29
	03/11/02	97	**3,500**	NA	<0.5	<0.5	<0.5	<0.5	**29**	0.8	<0.5	<0.5	7
	06/06/02	61	**3,500**	NA	<0.5	<0.5	<0.5	<0.5	**150**	2.9	<0.5	<0.5	34
	09/04/02	92	**6,100**	NA	<0.5	<0.5	<0.5	<0.5	**370**	3.6	<0.5	<0.5	72
	12/17/02	**110**	**2,100**	NA	<0.5	<0.5	<0.5	<0.5	**110**	4.2	<0.5	<0.5	14
	03/07/03	71	**1,600**	NA	<0.5	<0.5	<0.5	<0.5	**150**	2.2	<0.5	<0.5	35
	06/05/03	95	**3,300**	NA	<0.5	<0.5	<0.5	<0.5	**170**	4.6	<0.5	<0.5	43
	09/19/03	**100**	**1,400**	NA	<0.5	<0.5	<0.5	<0.5	**310**	5.2	<0.5	0.68	86
	12/12/03	<50	**7,600**	NA	<0.5	<0.5	<0.5	<0.5	**270**	5.9	<0.5	0.7	91
	03/15/04	95	**1,700**	NA	<0.5	<0.5	<0.5	<0.5	**290**	6.7	<0.5	0.92	200
	09/21/04	78	**990**	NA	<0.5	<0.5	<0.5	<0.5	**270**	4.7	<0.5	0.96	880
	04/06/05	64	**1,200**	NA	<0.5	<0.5	<0.5	<0.5	**120**	4.8	<0.5	<0.5	780
	09/29/05	**100**	**640**	NA	<0.5	<0.5	<0.5	<0.5	**77**	3.7	<0.5	<0.5	4,000
	12/09/05	99	**3,700**	NA	<0.5	<0.5	<0.5	<0.5	**66**	6.8	<0.5	<0.5	3,000
	03/06/06	66	**760**	NA	<0.5	<0.5	<0.5	<0.5	**42**	2.9	<0.5	<0.5	1,600
	06/20/06	84	**1,300**	NA	<0.5	<0.5	<0.5	<0.5	**42**	3.6	<0.5	<0.5	3,000
	08/23/06	<200	**410**	NA	**2.1**	<2.0	<2.0	<2.0	**37**	2.8	<2.0	<2.0	4,800
	11/09/06	<200	**700**	<100	<2.0	<2.0	<2.0	<2.0	**28**	3.0	<2.0	<2.0	5,600
	03/20/07	<200	**430**	NA	<2.0	<2.0	<2.0	<2.0	**22**	3.0	<2.0	<2.0	3,800
	05/17/07	<200	**500**	NA	<2.0	<2.0	<2.0	<2.0	**18**	3.5	<2.0	<2.0	4,300
	08/16/07	<200	**1,600**	NA	<2.0	<2.0	<2.0	<2.0	**13**	3.0	<2.0	<2.0	6,400
	12/05/07	<200	**1,400**	**120**	<2.0	<2.0	<2.0	<2.0	**8.2**	2.6	<2.0	<2.0	4,700
	02/27/08	<90	**1,300**	**190**	<0.9	<0.9	<0.9	<0.9	**6.0**	1.8	<0.9	<0.9	2,800
	06/28/08	**140**	**3,000**	NA	<0.5	<0.5	<0.5	<0.5	<50	<50	<50	<50	4,300
	09/27/08	**120**	**2,800**	**1,000**	<50	<50	<50	<50	<50	<50	<50	<50	6,600

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-6	12/06/99	**13,000**	<50	<500	**180**	21	11	**24**	<100	NA	NA	NA	NA
	03/08/00	<10,000	**4,600***	<500	**230**	26	18	**39**	**12,000**	NA	NA	NA	NA
	06/14/00	**8,400**	**12,000**	<100	**180**	12	10	**22**	**15,000**	<5.0	<5.0	70	3,300
	12/11/00	<5,000	**10,000**	<100	**180**	<50	<50	<50	**14,000**	<50	<50	74	2,900
	03/06/01	**5,300**	**6,700**	NA	**220**	<50	<50	<50	**13,000**	<50	<50	84	2,100
	06/06/01	**5,000**	**2,300**	NA	**210**	<25	<25	<25	**14,000**	<25	<25	84	4,200
	09/04/02	**5,400**	**2,200**	NA	**190**	12	<10	**23**	**15,000**	<10	<10	79	4,000
	03/11/02	**4,600**	**11,000**	NA	**160**	<25	<25	<25	**15,000**	<25	<25	39	5,100
	06/06/02	<5,000	**14,000**	NA	**200**	<50	<50	<50	**17,000**	<50	<50	77	8,700
	09/04/02	<5,000	**50,000**	NA	**140**	<50	<50	<50	**21,000**	<50	<50	52	7,500
	12/17/02	<5,000	**9,100**	NA	**130**	<50	<50	<50	**16,000**	<50	<50	64	6,300
	03/07/03	<5,000	**12,000**	NA	**160**	<50	<50	<50	**20,000**	<50	<50	53	7,500
	06/05/03	<5,000	**23,000**	NA	**230**	<50	<50	<50	**19,000**	<50	<50	86	7,100
	09/19/03	**8,900**	**24,000**	NA	**220**	<25	<25	<25	**15,000**	<25	<25	74	8,100
	12/12/03	**8,000**	**24,000**	NA	**190**	<25	<25	**32**	**14,000**	<25	<25	65	7,400
	03/15/04	**4,400**	**26,000**	NA	**190**	<25	<25	<25	**9,900**	<25	<25	61	6,700
	06/22/04	**3,500**	**7,000**	NA	**150**	<20	<20	<20	**9,200**	<20	<20	51	6,100
	09/21/04	**4,600**	**12,000**	NA	**210**	<20	<20	<20	**8,800**	<20	<20	55	7,000
	12/30/04	**5,300**	**11,000**	NA	**190**	<20	<20	<20	**6,300**	<20	<20	53	4,900
	04/06/05	**5,100**	**680**	NA	**190**	13	12	**32**	**3,700**	<5.0	<5.0	42	4,600
	09/29/05	**4,900**	**2,800**	NA	**130**	8.9	<5.0	**13**	**2,100**	<5.0	<5.0	23	3,200
	12/09/05	**3,600**	**10,000**	NA	**110**	7.1	<5.0	7.9	**2,700**	<5.0	<5.0	22	4,200
	03/06/06	**3,900**	**900**	NA	**120**	9.3	5	**13**	**3,000**	<0.5	<0.5	26	4,400
	06/20/06	**3,600**	**1,500**	NA	**140**	10	5	**18**	**1,600**	<3.0	<3.0	23	3,600
	08/23/06	**4,300**	<800	NA	**140**	11	5	**13**	**2,000**	<4.0	<4.0	22	4,000
	11/09/06	**3,200**	**1,700**	<100	**110**	6.9	<4.0	8.2	**1,500**	<4.0	<4.0	16	3,900
	03/20/07	**2,100**	**920**	NA	**120**	7.9	<4.0	7.1	**2,000**	<4.0	<4.0	20	4,000
	05/17/07	**3,800**	**600**	NA	**140**	9.5	<4.0	**15**	**1,700**	<4.0	<4.0	21	3,200
	08/16/07	**3,500**	**780**	NA	**160**	9.3	<3.0	**14**	**1,800**	<3.0	<3.0	21	3,600
	12/05/07	**4,500**	<600	<100	**100**	7.8	<4.0	**14**	**1,400**	<4.0	<4.0	15	4,900
	02/27/08	**3,100**	<1,500	<100	**82**	6.1	<2.0	7.9	**760**	<2.0	<2.0	9.6	4,800
	06/28/08	**4,700**	**17,000**	NA	**160**	13	4	**11**	**1,700**	<50	<50	<50	6,200
	07/03/08	Well Abandoned											
EX-2	09/27/08	**990**	**2,100**	NA	**130**	<10	<10	<10	**210**	<10	<10	<10	1,400

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-7	09/04/02	<50	**130******	NA	<0.5	<0.5	<0.5	<0.5	3.4	<0.5	<0.5	<0.5	<5.0
	12/17/02	<50	**220**	NA	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<0.5	<0.5	<5.0
	03/07/03	<50	**140**	NA	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<5.0
	06/05/03	<50	**200**	NA	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<5.0
	09/19/03	<50	**320**	NA	<0.5	<0.5	<0.5	<0.5	5	<0.5	<0.5	<0.5	<5.0
	12/12/03	<50	**380**	NA	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<5.0
	03/15/04	Not Sampled - Truck Parked on Well											
	09/21/04	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	<0.5	<5.0
	04/06/05	<50	**120**	NA	<0.5	<0.5	<0.5	<0.5	**9.2**	<0.5	<0.5	<0.5	<5.0
	09/29/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**12**	<0.5	<0.5	<0.5	<5.0
	12/09/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**10**	<0.5	<0.5	<0.5	<5.0
	03/06/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**9**	<0.5	<0.5	<0.5	<5.0
	06/20/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**11**	<0.5	<0.5	<0.5	<5.0
	08/23/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**8.5**	<0.5	<0.5	<0.5	<5.0
	11/09/06	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**5.7**	<0.5	<0.5	<0.5	<5.0
	03/20/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<5.0
	05/17/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<5.0
	08/16/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<5.0
	12/05/07	Not Sampled - Truck Parked on Well											
	02/27/08	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	0.81	<0.5	<0.5	<0.5	<5.0
	06/28/08	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<2.0
	09/27/08	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	0.92	<0.5	<0.5	<0.5	<2.0
MW-8	09/04/02	<50	**170**	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	12/17/02	<50	**100**	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	03/07/03	<50	62	NA	<0.5	<0.5	<0.5	<0.5	**33**	<0.5	<0.5	<0.5	<5.0
	06/05/03	<50	**270**	NA	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	<0.5	<0.5	<5.0
	09/19/03	<50	**250**	NA	<0.5	<0.5	<0.5	<0.5	**11**	<0.5	<0.5	<0.5	<5.0
	12/12/03	<50	**420**	NA	<0.5	<0.5	<0.5	<0.5	**11**	<0.5	<0.5	<0.5	<5.0
	03/15/04	<50	**250**	NA	<0.5	<0.5	<0.5	<0.5	**6.4**	<0.5	<0.5	<0.5	<5.0
	09/21/04	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**11**	<0.5	<0.5	<0.5	<5.0
	04/06/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**8**	<0.5	<0.5	<0.5	<5.0
	09/29/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**18**	<0.5	<0.5	<0.5	<5.0
	12/09/05	<50	86	NA	<0.5	<0.5	<0.5	<0.5	**9.7**	<0.5	<0.5	<0.5	<5.0
	03/06/06	Not Sampled - Truck Parked on Well											
	06/20/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**6.6**	<0.5	<0.5	<0.5	<5.0
	08/23/06	Not Sampled - Truck Parked on Well											
	11/09/06	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**9.3**	<0.5	<0.5	<0.5	<5.0
	03/20/07	<50	**250**	NA	<0.5	<0.5	<0.5	<0.5	**10**	<0.5	<0.5	<0.5	<5.0
	05/17/07	<50	**350**	NA	<0.5	<0.5	<0.5	<0.5	3.3	<0.5	<0.5	<0.5	<5.0
	08/16/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**11**	<0.5	<0.5	<0.5	<5.0
	12/05/07	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	<0.5	<0.5	<5.0
	02/27/08	Not Sampled - Truck Parked on Well											
	06/28/08	Not Sampled - Truck Parked on Well											
	09/27/08	Not Sampled - Truck Parked on Well											

Table 3
Groundwater Analytical Results
8255 San Leandro Street
Oakland, California

Well ID	Date	TPH-g	TPH-d	TPH-mo	B	T	E	X	MtBE	DIPE	EtBE	tAME	tBA
MW-9	09/04/02	<2,500	**1000**	NA	<25	<25	<25	<25	**12,000**	<25	<25	70	1700
	12/17/02	<2,000	**880**	NA	<20	<20	<20	<20	**4,500**	<20	<20	23	2300
	03/07/03	<500	**450**	NA	<5	<5	<5	<5	**1,700**	<5	<5	8.4	6600
	06/05/03	<500	**4500**	NA	<5	<5	<5	<5	**120**	<5	<5	<5.0	17,000
	09/19/03	<1,000	**4500**	NA	<10	<10	<10	<10	**38**	<10	<10	<10	15,000
	12/12/03	Not Sampled - Truck Parked on Well											
	03/15/04	<1,000	82	NA	<10	<10	<10	<10	**38**	<10	<10	<10	**18,000**
	09/21/04	<1,000	**2600**	NA	<10	<10	<10	<10	**17**	<10	<10	<10	16,000
	12/30/04	Not Sampled - Truck Parked on Well											
	04/06/05	<700	<50	NA	<7	<7	<7	<7	**55**	<7	<7	<7	15,000
	09/29/05	<700	<50	NA	<7	<7	<7	<7	**34**	<7	<7	<7	1,300
	12/09/05	<400	**3200**	NA	**46**	<4.0	<4.0	<4.0	**12**	<4.0	<4.0	<4.0	8,200
	03/06/06	Not Sampled - Truck Parked on Well											
	06/20/06	Not Sampled - Truck Parked on Well											
	08/23/06	<250	<50	NA	**9.6**	<2.5	<2.5	<2.5	**18**	<2.5	<2.5	<2.5	6,000
	11/09/06	<150	<50	NA	**13**	<1.5	<1.5	<1.5	3	<1.5	<1.5	<1.5	3,900
	03/20/07	<150	<50	NA	<0.5	<0.5	<0.5	<0.5	3	<0.5	<0.5	<0.5	2,900
	05/17/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	**6**	<0.5	<0.5	<0.5	880
	08/16/07	Not Sampled - Truck Parked on Well											
	12/05/07	Not Sampled - Truck Parked on Well											
	02/27/08	Not Sampled - Truck Parked on Well											
	06/28/08	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<5.0	950
	09/27/08	Not Sampled - Truck Parked on Well											
MW-10	10/12/06	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	27
	11/09/06	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	82
	03/20/07	<50	**270**	NA	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	84
	05/17/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	55
	08/16/07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	28
	12/05/07	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	0.94	<0.5	<0.5	<0.5	13
	02/27/08	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	7.3
	06/28/08	<50	63	NA	<0.5	<0.5	<0.5	<0.5	0.83	<0.5	<0.5	<0.5	8.7
	09/27/08	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	3.3
ESL		**100**	**100**	**100**	**1.0**	**130**	**43**	**10**	**5**	**NE**	**NE**	**NE**	**18,000**

Notes:

Concentrations are recorded in units of micrograms per liter (ug/L).

ESL Environmental Screening Level for Potable Groundwater

* Non-typical diesel patter, hydrocarbons in early diesel range

** Estimated concentration due to overlapping fuel patterns in sample

*** Non-typical gasoline pattern

**** Non-typical diesel pattern

NE ESL is not established for this compound

NA analyte not tested

TPH-g total petroleum hydrocarbons as gasoline

TPH-d total petroleum hydrocarbons as diesel

B benzene

T toluene

E ethylbenzene

X xylenes

MtBE methyl tert-butyl ether

DIPE di-isopropyl ether

EtBE ethyl tert-butyl ether

tAME tert-amyl methyl ether

tBA tert-butanol

APPENDIX A

MONITORING WELL PURGE LOGS

MONITORING WELL SAMPLING LOG

SITE NAME/LOCATION: Oakland Truck Stop PROJECT #: 001

DATE: 9/27/08 SAMPLER'S INITIALS: CM

WELL ID: MW-4 WELL DIAMETER (in): 2

WELL DEPTH (ft): 14 DEPTH TO WATER (ft): 5.72 WATER COLUMN Ht (ft): 8.28

STANDING WATER VOLUME (gal): 1.37 3 VOLUMES (gal): 4.12

To obtain standing volume in gallons, multiply the water column height by 0.17 for 2-inch well or 0.66 for a 4-inch well.

PURGE METHOD: (Bailer) or Mini-Whaler Pump (circle the correct method) SAMPLING METHOD: disposable PE bailer

PURGE MEASUREMENTS

Time	Gallons Purged	Temp (F)	pH	SC (uS)		Comments
						DO prior to purging
1056	1	75.5	7.00	1265		Sampled @ 1105
1058	2	75.9	6.98	1306		
1101	4	76.0	6.99	1326		
1103	5	76.1	6.99	1340		

WELL ID: MW-5 WELL DIAMETER (in): 2

WELL DEPTH (ft): 14 DEPTH TO WATER (ft): 5.42 WATER COLUMN Ht (ft): 8.58

STANDING WATER VOLUME (gal): 1.42 3 VOLUMES (gal): 4.28

To obtain standing volume in gallons, multiply the water column height by 0.17 for 2-inch well or 0.66 for a 4-inch well.

PURGE METHOD: Bailer or Mini-Whaler Pump (circle the correct method) SAMPLING METHOD: disposable PE bailer

PURGE MEASUREMENTS

Time	Gallons Purged	Temp (F)	pH	SC (uS)		Comments
						DO prior to purging
1036	1	74.1	6.71	1744		Well drew down ~7'
1039	3	73.0	6.71	1729		
1042	4	72.2	6.71	1702		Sampled @ 1045
1045	5	72.0	6.73	1703		

MONITORING WELL SAMPLING LOG

SITE NAME/LOCATION: Oakland Truck Stop PROJECT #: 001

DATE: 9/27/08 SAMPLER'S INITIALS: CM

WELL ID: MW-10 WELL DIAMETER (in): 2

WELL DEPTH (ft): 26.0 DEPTH TO WATER (ft): 6.50 WATER COLUMN Ht (ft): 19.5

STANDING WATER VOLUME (gal): 3.24 3 VOLUMES (gal): 9.7

To obtain standing volume in gallons, multiply the water column height by 0.17 for 2-inch well or 0.66 for a 4-inch well.

PURGE METHOD: (Bailer) or Mini-Whaler Pump (circle the correct method) SAMPLING METHOD: disposable PE bailer

PURGE MEASUREMENTS

Time	Gallons Purged	Temp (F)	pH	SC (uS)		Comments
						DO prior to purging
1116	2	72.3	7.42	724		
1120	4	71.8	7.21	706		
1123	6	71.1	7.20	708		
1125	8	71.1	7.15	710		
1127	10	71.3	7.16	711		

WELL ID: MW-6 WELL DIAMETER (in): _____

WELL DEPTH (ft): _____ DEPTH TO WATER (ft): _____ WATER COLUMN Ht (ft): _____

STANDING WATER VOLUME (gal): _____ 3 VOLUMES (gal): _____

To obtain standing volume in gallons, multiply the water column height by 0.17 for 2-inch well or 0.66 for a 4-inch well.

PURGE METHOD: (Bailer) or Mini-Whaler Pump (circle the correct method) SAMPLING METHOD: disposable PE bailer

PURGE MEASUREMENTS

Time	Gallons Purged	Temp (F)	pH	SC (uS)		Comments
						DO prior to purging
						Grab Sample
						Sampled @ 1137

MONITORING WELL SAMPLING LOG

SITE NAME/LOCATION: Oakland Truck Stop PROJECT #: 001

DATE: 9/27/08 SAMPLER'S INITIALS: CM

WELL ID: MW-7 WELL DIAMETER (in): 2

WELL DEPTH (ft): 16.20 DEPTH TO WATER (ft): 4.41 WATER COLUMN Ht (ft): 11.79

STANDING WATER VOLUME (gal): 1.96 3 VOLUMES (gal): 5.9

To obtain standing volume in gallons, multiply the water column height by 0.17 for 2-inch well or 0.66 for a 4-inch well.

PURGE METHOD: (Bailer) or Mini-Whaler Pump (circle the correct method) SAMPLING METHOD: disposable PE bailer

PURGE MEASUREMENTS

Time	Gallons Purged	Temp (F)	pH	SC (uS)		Comments
						DO prior to purging
949	2	68.3	6.86	1740		NOS
953	4	67.6	6.89	1713		Sampled @ 1000
958	6.5	67.4	6.96	1691		

WELL ID: MW-2 WELL DIAMETER (in): 2

WELL DEPTH (ft): 14.5 DEPTH TO WATER (ft): 7.42 WATER COLUMN Ht (ft): 7.08

STANDING WATER VOLUME (gal): 1.18 3 VOLUMES (gal): 3.52

To obtain standing volume in gallons, multiply the water column height by 0.17 for 2-inch well or 0.66 for a 4-inch well.

PURGE METHOD: (Bailer) or Mini-Whaler Pump (circle the correct method) SAMPLING METHOD: disposable PE bailer

PURGE MEASUREMENTS

Time	Gallons Purged	Temp (F)	pH	SC (uS)		Comments
						DO prior to purging
1013	1	71.3	6.54	1952		well drew down ~5'
1017	2	70.3	6.55	1978		Sulfur odor
1019	3	70.4	6.54	1961		
1020	4	70.6	6.57	1959		
						Sampled @ 1023

APPENDIX B

LABORATORY ANALYTICAL REPORTS FOR GROUNDWATER SAMPLES

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

Matriks Corporation 321 Court Street Woodland, CA 95695	Client Project ID: OTS	Date Sampled: 09/27/07-09/27/08
		Date Received: 09/29/08
	Client Contact: Robert Neely	Date Reported: 10/07/08
	Client P.O.:	Date Completed: 10/07/08

WorkOrder: 0809884

October 07, 2008

Dear Robert:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **OTS,**
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.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

0809884

CHAIN OF CUSTODY RECORD

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

GeoTracker EDF ☐ PDF ☑ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: CMokri@comcast.net Bill To: Matriks Corp.

Company: Matriks Corp.
321 Court St
Woodland Ca 95695

E-Mail: CMOKRI@comcast.net

Tele: (530) 902-7106 Fax: ( )

Project #: Project Name: OTS

Project Location: San Leandro St, Oakland CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	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
MW-7		9/27/08	1000	5	*	X					X	X		
MW-2			1023											
MW-4			1105											
MW-5			1045											
MW-6			1137											
MW-10														

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Arocloors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: TPH-MO	Other: TPH-g, BTEX, 5-OXY	Comments
	X															X	X	Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	9/29	843	
Relinquished By: Enviro-Tech SR	Date: 9/29	Time: 1950	Received By:
Relinquished By:	Date: 9-29	Time: 8:15	Received By:

ICE/t [redacted] 6.3°F YES
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB NO

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS:

*= 4 Jar + 1 amber

Multi-range $

BTEX + OXYS by 8260

PER CM

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809884 **ClientCode: MCW**

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

Report to:
Robert Neely
Matriks Corporation
321 Court Street
Woodland, CA 95695
(530) 406-1760 FAX (530) 406-1771

Email: thenderson@matrikscorp.com; Cmokri
cc:
PO:
ProjectNo: OTS

Bill to:
Robert Neely
Matriks Corporation
321 Court Street
Woodland, CA 95695

Requested TAT: 5 days

Date Received: **09/29/2008**
Date Printed: **09/30/2008**

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
0809884-001	MW-7	Water	9/27/2008 10:00	☐	A	B										
0809884-002	MW-2	Water	9/27/2008 10:23	☐	A	B										
0809884-003	MW-4	Water	9/27/2008 11:05	☐	A	B										
0809884-004	MW-5	Water	9/27/2008 10:45	☐	A	B										
0809884-005	MW-6	Water	9/27/2008 11:37	☐	A	B										
0809884-006	MW-10	Water	9/27/2007	☐	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 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: **Matriks Corporation**

Date and Time Received: **9/29/2008 9:13:42 PM**

Project Name: **OTS**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0809884** Matrix Water

Carrier: EnviroTech

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: 6.3°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 ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

Matriks Corporation	Client Project ID: OTS	Date Sampled: 09/27/07-09/27/08
		Date Received: 09/29/08
321 Court Street	Client Contact: Robert Neely	Date Extracted: 10/02/08-10/03/08
Woodland, CA 95695	Client P.O.:	Date Analyzed 10/02/08-10/03/08

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

Extraction method SW5030B Analytical methods SW8015Cm Work Order: 0809884

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	MW-7	W	ND	1	92
002A	MW-2	W	1500,d9	1	111
003A	MW-4	W	ND	1	97
004A	MW-5	W	120,d7,b6	1	92
005A	MW-6	W	990,d1	1	90
006A	MW-10	W	ND	1	94

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
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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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

Matriks Corporation	Client Project ID: OTS	Date Sampled: 09/27/07-09/27/08
		Date Received: 09/29/08
321 Court Street	Client Contact: Robert Neely	Date Extracted: 10/03/08-10/04/08
Woodland, CA 95695	Client P.O.:	Date Analyzed: 10/03/08-10/04/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809884

Lab ID	0809884-001B	0809884-002B	0809884-003B	0809884-004B	Reporting Limit for DF =1	
Client ID	MW-7	MW-2	MW-4	MW-5		
Matrix	W	W	W	W		
DF	1	20	1	100	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND<10	ND	ND<50	NA	0.5
Benzene	ND	ND<10	ND	ND<50	NA	0.5
t-Butyl alcohol (TBA)	ND	1200	33	6600	NA	2.0
Diisopropyl ether (DIPE)	ND	ND<10	ND	ND<50	NA	0.5
Ethylbenzene	ND	ND<10	ND	ND<50	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND<10	ND	ND<50	NA	0.5
Methyl-t-butyl ether (MTBE)	0.92	61	3.9	ND<50	NA	0.5
Toluene	ND	ND<10	ND	ND<50	NA	0.5
Xylenes	ND	ND<10	ND	ND<50	NA	0.5
Surrogate Recoveries (%)						
%SS1:	86	87	86	87		
%SS2:	93	92	95	92		
%SS3:	76	75	78	77		
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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Telephone: 877-252-9262 Fax: 925-252-9269

Matriks Corporation	Client Project ID: OTS	Date Sampled: 09/27/07-09/27/08
		Date Received: 09/29/08
321 Court Street	Client Contact: Robert Neely	Date Extracted: 10/03/08-10/04/08
Woodland, CA 95695	Client P.O.:	Date Analyzed: 10/03/08-10/04/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809884

					Reporting Limit for DF =1	
Lab ID	0809884-005B	0809884-006B				
Client ID	MW-6	MW-10				
Matrix	W	W				
DF	20	1			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<10	ND			NA	0.5
Benzene	130	ND			NA	0.5
t-Butyl alcohol (TBA)	1400	3.3			NA	2.0
Diisopropyl ether (DIPE)	ND<10	ND			NA	0.5
Ethylbenzene	ND<10	ND			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<10	ND			NA	0.5
Methyl-t-butyl ether (MTBE)	210	0.53			NA	0.5
Toluene	ND<10	ND			NA	0.5
Xylenes	ND<10	ND			NA	0.5
Surrogate Recoveries (%)						
%SS1:	86	87				
%SS2:	92	91				
%SS3:	77	75				
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

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Matriks Corporation	Client Project ID: OTS	Date Sampled: 09/27/07-09/27/08
		Date Received: 09/29/08
321 Court Street	Client Contact: Robert Neely	Date Extracted: 09/30/08
Woodland, CA 95695	Client P.O.:	Date Analyzed: 10/04/08-10/07/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 0809884

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0809884-001A	MW-7	W	ND	ND	1	100
0809884-002A	MW-2	W	290,e4,e2	ND	1	110
0809884-003A	MW-4	W	160,e7,e2	360	1	112
0809884-004A	MW-5	W	2800,e1,b6	1000	1	113
0809884-005A	MW-6	W	2100,e4,e2	480	1	105
0809884-006A	MW-10	W	ND	ND	1	110

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.
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38591 WorkOrder 0809884

EPA Method SW8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809884-001A**

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	90.4	88.2	2.46	111	109	2.13	70 - 130	20	70 - 130	20
MTBE	ND	10	98.1	112	13.6	99.3	89.7	10.2	70 - 130	20	70 - 130	20
Benzene	ND	10	91.3	91.7	0.436	93.3	89.8	3.78	70 - 130	20	70 - 130	20
Toluene	ND	10	82.7	83.3	0.736	93.5	89.3	4.51	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	92.1	94	2.06	96.3	93.4	3.04	70 - 130	20	70 - 130	20
Xylenes	ND	30	89.8	89.7	0.125	94.9	93.1	1.95	70 - 130	20	70 - 130	20
%SS:	92	10	98	95	3.23	100	97	3.50	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 38591 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809884-001A	09/27/08 10:00 AM	10/02/08	10/02/08 6:44 AM	0809884-002A	09/27/08 10:23 AM	10/03/08	10/03/08 4:04 AM
0809884-003A	09/27/08 11:05 AM	10/03/08	10/03/08 5:04 AM	0809884-004A	09/27/08 10:45 AM	10/03/08	10/03/08 4:23 PM
0809884-005A	09/27/08 11:37 AM	10/03/08	10/03/08 7:34 AM	0809884-006A	09/27/07	10/02/08	10/02/08 7:17 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.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38586 WorkOrder 0809884

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809880-002B**

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	117	114	2.75	106	105	1.25	70 - 130	30	70 - 130	30
Benzene	ND	10	112	110	1.58	101	100	0.724	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	121	111	8.06	83.4	85.1	2.00	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	118	118	0	95	95.3	0.293	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	109	107	2.25	114	114	0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	102	100	1.85	113	111	1.74	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	119	116	2.62	111	110	1.07	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	108	106	2.07	97	95.8	1.32	70 - 130	30	70 - 130	30
Toluene	ND	10	115	117	0.974	106	105	0.575	70 - 130	30	70 - 130	30
%SS1:	86	25	81	81	0	88	86	1.37	70 - 130	30	70 - 130	30
%SS2:	87	25	79	82	3.05	91	91	0	70 - 130	30	70 - 130	30
%SS3:	89	2.5	74	74	0	77	76	1.67	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 38586 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809884-001B	09/27/08 10:00 AM	10/03/08	10/03/08 7:54 PM	0809884-002B	09/27/08 10:23 AM	10/04/08	10/04/08 4:32 PM
0809884-003B	09/27/08 11:05 AM	10/03/08	10/03/08 9:21 PM	0809884-004B	09/27/08 10:45 AM	10/04/08	10/04/08 3:48 PM
0809884-005B	09/27/08 11:37 AM	10/04/08	10/04/08 5:15 PM	0809884-006B	09/27/07	10/04/08	10/04/08 5:58 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.

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.

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QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38587 WorkOrder 0809884

EPA Method SW8015B **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	105	106	0.989	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	82	84	1.97	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 38587 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809884-001A	09/27/08 10:00 AM	09/30/08	10/06/08 2:30 PM	0809884-002A	09/27/08 10:23 AM	09/30/08	10/04/08 11:58 PM
0809884-003A	09/27/08 11:05 AM	09/30/08	10/04/08 5:08 PM	0809884-004A	09/27/08 10:45 AM	09/30/08	10/04/08 6:17 PM
0809884-005A	09/27/08 11:37 AM	09/30/08	10/07/08 9:59 AM	0809884-006A	09/27/07	09/30/08	10/04/08 12:35 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.

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.

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QA/QC Officer