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**REPORT OF ADDITIONAL SITE ASSESSMENT  
ACTIVITIES AND TECHNICAL WORKPLAN FOR  
ADDITIONAL WELL INSTALLATION ACTIVITIES**

**FORMER EZ-SERVE 100877  
525 WEST A STREET  
HAYWARD, CALIFORNIA**

Submitted to:  
ALAMEDA COUNTY ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION

Prepared for:  
RESTRUCTURE PETROLEUM MARKETING SERVICES of CALIFORNIA

October 2009

October 29, 2009  
Project No. 07-131

Alameda County Department of Environmental Health  
1131 Harbor Bay Park Way  
Alameda, California 94502

Attention: Mark Detterman, P.G., C.E.G

Subject: Report of Additional Site Assessment Activities and  
Technical Work Plan for Additional Monitoring Well Installation Activities  
Former EZ-Serve 100877, 525 West A Street, Hayward, CA  
Alameda County Case No. R0000023

GeoEnviro Services, Inc. (GESI) on behalf of Restructure Petroleum Marketing Services of California (RPMS) is pleased to present this report documenting the results of additional site assessment activities at the LUFT project identified as the former EZ-Serve Station No. 100877 located at 525 West A Street, Hayward, California (Site). Additional site assessment activities included the advancement of one Geoprobe® soil borings on the western portion of the site and six Geoprobe® soil borings on the adjacent property to the west for the collection of soil and groundwater samples.

Field activities were conducted on September 24, 2009 with the approval of the Alameda County Department of Environmental Health (ACEH) and in accordance with the scope of services outlined in a revised GESI work plan for additional site assessment dated April 21, 2009.

Based on the results of these additional site assessment activities, GESI is recommends the installation of two additional groundwater monitoring wells on the adjacent property to the west. A technical work plan for the installation of these additional wells is included in this report.

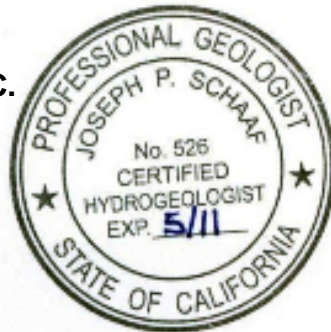
Should you have questions or comments regarding this report, please contact us at (805) 642-1668 or email to [jschaaf@geoenviroservices.com](mailto:jschaaf@geoenviroservices.com).

Sincerely,

**GEOENVIRO SERVICES, INC.**



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cc: Mr. Jack Ceccarelli, RPMS  
SWRCB – Geotracker Database

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**REPORT OF ADDITIONAL SITE ASSESSMENT ACTIVITIES AND TECHNICAL WORK PLAN FOR ADDITIONAL WELL INSTALLATION ACTIVITIES**

Former EZ Serve 100877  
525 West A Street  
Hayward, California  
October 29, 2009

**1.0 INTRODUCTION**

At the request of Restructure Petroleum Marketing Service of California (RPMS), GeoEnviro Services, Inc. (GESI) has prepared this report that documents the results of Geoprobe® boring advancement for soil and groundwater sample collection activities at the LUFT project indentified as the former EZ-Serve 100877 site located at 525 West A Street, Hayward, California (Site). The location of the Site is shown on Figure 1 - Site Location Map. The Site is identified by Alameda County Department of Environmental Health (ACDEH) as Case No. R0000023.

**1.1 BACKGROUND**

Based upon recent groundwater monitoring data and groundwater sample data previously collected from monitoring well MW-2 (formerly located in the northwestern portion of the Site), the lateral extent of dissolved phase petroleum hydrocarbons had not been fully defined to the west of the Site. On December 5, 2007, the ACDEH issued a letter requesting the replacement of well MW-2 that was previously abandoned. GESI prepared a work plan for additional site assessment dated November 21, 2008 that recommended the completion of several Geoprobe® soil borings for collection of soil and groundwater samples to further evaluate the lateral extent of petroleum hydrocarbons and fuel oxygenates in the soil and groundwater to the west of the Site prior to the replacement of well MW-2.

On January 9, 2009, the ACDEH issued a letter in response to the GESI work plan and requesting further assessment on the western portion of the site (in the source area) to evaluate the residual concentrations of petroleum hydrocarbons in the soil and groundwater.

GESI submitted a revised work plan for additional site assessment dated April 21, 2009 which included a scope of services designed to address the requirements of the ACDEH and to evaluate the soil and groundwater conditions in the source area. The revised work plan was reviewed and conditionally approved by the ACDEH in their letter dated May 8, 2009. A copy of the ACDEH letter is included as Appendix A.

## **1.2 PROJECT SCOPE**

The field activities completed on September 24, 2009 included the collection of soil samples from six Geoprobe® direct-push drill holes (SB-1 through SB-6) and the collection of groundwater samples from six locations (SB-1 through SB-3, SB-4A, SB-5, and SB-6) at the Site. The drill hole and sampling locations are presented in the attached Figure 2 – Site Map Showing Boring Locations.

The work completed included the following tasks:

- Obtained a permit to complete temporary Geoprobe® borings for the collection of soil and groundwater samples from the County of Alameda Public Works Agency;
- Obtained a right of entry from the adjacent property owner to advance the drill holes (SB2 through SB6);
- Marked the locations of the proposed Geoprobe® borings for utility clearance prior to advancement. Coordinated the site assessment field activities with appropriate regulatory agencies;
- Advanced 6 soil borings (SB-1 through SB-6) using a Geoprobe® drilling system collecting soil samples continuously from 5 feet below ground surface (bgs) to a depth of 30 feet bgs. Three to four soil samples per soil boring were selected for preservation and submittal to an analytical laboratory for chemical analysis;
- Installed temporary ¾-inch diameter PVC casing in each soil boring (SB-1 through SB-3, SB-4A, SB-5, and SB-6) to allow the collection of groundwater samples;
- Soil and groundwater samples were chemically analyzed for the presence of total petroleum hydrocarbons (TPH) identified as gasoline (TPH-G) using U.S. EPA Method 8015 modified, and for benzene, toluene, ethylbenzene, total xylenes (BTEX) and fuel oxygenates: methyl-tert-butyl-ether (MTBE); di-isopropylether (DIPE); tert-amyl methyl ether (TAME); ethyl tert-butyl ether (ETBE); tert-butyl alcohol (TBA), ethylene dibromide (EDB), and ethylene dichloride (EDC) using U.S. EPA Method 8260B;
- Prepared this report documenting the site assessment methodology, the soil and groundwater sample analytical results, and presenting a work plan for installation of additional groundwater monitoring wells.

## **2.0 ENVIRONMENTAL SETTING**

### **2.1 SITE LOCATION**

The Site is an active gasoline service station and contains one building utilized as the station store building. The Site has recently been completely remodeled including new USTs and system components, new fuel dispenser islands and canopy, and a new station building. The Site has been identified by the ACED as Fuel Leak Case No. RO0000023. The Site is located on the northwest corner of West A Street and Garden Street in the City of Hayward (Figure 1). The area to the north and northeast of the Site is utilized for residential housing. Commercial property is located to the east and south of the Site. The property located adjacent to the Site to the west is developed for mixed use as residential and retail/commercial.

The Site is an approximate rectangular parcel measuring approximately 160 feet east to west by approximately 90 feet north to south. The Site contains two active underground storage tanks (USTs) used for gasoline and diesel fuel storage on the western portion of the Site and one UST used for bio-diesel fuel storage on the southern portion of the Site. Two fuel dispenser islands are located in the central portion of the Site. The existing USTs were installed in late 2007 and 2008. A map of the Site is shown on Figure 2. Four USTs were formerly located in the northwestern portion of the Site and were removed in 1990.

### **2.2 PHYSICAL SETTING**

The Site is in the East Bay Area of the San Francisco Bay Area of California. The elevation of the Site is approximately 44 feet above mean sea level. The area of the Site slopes gradually to the west. The Hayward Airport is located approximately 0.5 miles west of the Site and State Route 880 is located approximately 500 feet east of the Site. The nearest surface water includes Lorenzo Creek located approximately 1.5 mile north of the Site and the San Francisco Bay located approximately 2.5 miles west of the Site.

### **2.3 GEOLOGY / HYDROGEOLOGY**

The Site is located within the San Leandro Cone, a low gradient alluvial fan originating at the mouth of Castro Valley and spreads westward on to the Bay Plain. This alluvial cone overlies marine clay and intertidal deposits of sands and silts. Based upon soil samples collected from previous soil borings at the Site, the shallow soils consist of clay, silt silty sand, and sand to 30 feet bgs (maximum depth explored).

The shallowest regional aquifer is the Newark Aquifer that begins approximately 200 feet bgs. The Newark Aquifer consists of a series of laterally discontinuous lenses of fine to coarse sediments ranging from 10 feet to 100 feet in thickness. The regional hydraulic gradient is to the west towards San Francisco Bay.

Groundwater is present under unconfined conditions below the Site. Between February 1992 and September 2009 the depth to groundwater has ranged from a minimum of

approximately 10 feet (June 1998) to a maximum depth of approximately 21 feet (February 1992). During the groundwater monitoring event completed in September 2009, the depth to groundwater ranged from approximately 16.41 feet (MW-1) to 18.33 feet (MW-12). The groundwater flow direction has typically been to the northwest to southwest. The hydraulic groundwater gradient has historically been on the order of 0.01 feet per foot.

### **3.0 RECENT GROUNDWATER ANALYTICAL DATA**

Historical groundwater monitoring data are summarized on Tables 3 and 4. Several observations concerning groundwater monitoring data collected between 1992 and 2009 are provided below:

- The groundwater gradient has historically been approximately 0.01 feet per foot to the west / northwest.
- The historical depth to groundwater in former well MW-2 (the closest to the Geoprobe® / Hydropunch® borings) has ranged from 22.35 feet (in February 1992) to 11.58 feet (April 1998). Well MW-2 was abandoned in March 2006.
- Excluding well MW-2, there are 14 additional groundwater monitoring wells present at the project site (MW-1A, MW-1 through MW-14). Six of these 14 wells are no longer accessible and cannot be located (MW-6, MW-8, MW-9, MW-10, MW-11, and MW-13). One additional well (MW-1A) contains a cracked casing and is filled with dirt.
- The most recent depth to groundwater in well MW-1, located on the southwestern portion of the Site was 16.41 feet as measured in September 2009.
- Dissolved phase concentrations of total petroleum hydrocarbons as gasoline (TPHg) in historical well MW-2 ranged from 67,000 micrograms per liter (ug/L) in February 1992 to 8,700 ug/L in March 2006. Dissolved phase concentrations of benzene in well MW-2 ranged from 13,000 ug/L in February 1992 to 170 ug/L in March 2006. Dissolved phase concentrations of MTBE in well MW-2 ranged from 1,200 ug/L in November 1997 to 3.8 ug/L in March 2006.

### **4.0 SOIL BORING ADVANCEMENT**

This section documents the advancement of soil boring SB-1 located on the western portion of the Site (former source area) and soil borings SB-2, SB3, SB-4, SB-4A, SB-5, and SB-6 on the adjacent property to the west for the collection of soil and groundwater samples. The locations of the soil borings are shown on Figure 2. A detailed description of the work performed is presented below.



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#### **4.1 PERMITTING AND OFFSITE ACCESS**

GESI obtained a permit to complete Geoprobe® soil borings for the collection of soil and groundwater samples from the County of Alameda Public Works Department. A copy of the permit is included in Appendix B. An access agreement was prepared and accepted by the adjacent property owner to complete the soil borings SB-2 through SB-4, SB-4A, and SB-5 through SB-6.

#### **4.2 HEALTH AND SAFETY PLAN**

GESI prepared a health and safety plan (HSP) for this project. The health and safety plan outlines safety requirements for the project that will provide for worker and public safety in accordance with applicable CAL-OSHA and ACDEH requirements.

#### **4.3 UTILITY CLEARANCE, PROJECT SCHEDULING, AND NOTIFICATION**

GESI marked the locations of the proposed soil borings and notified Underground Service Alert approximately 72-hours prior to the initiation of field activities to provide utility clearance for the Site. The schedule for field activities was coordinated with the Site owner, the Responsible Party (RP), adjacent property owners, the Alameda County inspectors, the drilling contractor, and the sample analytical laboratory. Prior to utilizing the Geoprobe® drill rig, the soil borings were advanced to a depth of approximately 5-feet using a hand auger to clear any unmarked, near-surface, utilities.

#### **4.4 SOIL BORING ADVANCEMENT AND SOIL SAMPLE COLLECTION**

GESI utilized the services of Vironex Environmental Services, Inc. of Pacheco, California (Vironex), a licensed and insured drilling contractor to complete seven drill holes using Geoprobe® direct-push drilling technology. Drill hole SB1 was advanced to a depth of approximately 30 feet in the parking area south of former well MW-2 and the former UST location onsite. Drill holes SB-2, SB-3, SB-4, SB-4A, SB-5, and SB-6 were advanced to depths of approximately 30 feet in the driveway and parking area west and north of the commercial building located adjacent to the west of the Site. Note: Soil samples were collected from soil boring SB-4 and soil boring SB-4A was utilized only for the collection of a groundwater sample. The locations of the soil borings are presented on Figure 2.

The soil borings were advanced with a truck-mounted, Geoprobe® 6600 hydraulic push rig equipped with 2-inch diameter macro-core sampler system. During drilling, a geologist from GESI was onsite to log the earth materials encountered, field screen soil samples for the potential presence of petroleum hydrocarbons, and to collect soil samples for submittal to the laboratory for chemical analysis.

Soils encountered generally consisted of clay and silty clay. A field log for each of the soil boring was completed by the GESI geologist. Each log includes descriptions of the earth

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materials encountered and field observations concerning the presence of petroleum hydrocarbons and groundwater. The soil boring logs are included in Appendix C.

During soil boring advancement, continuous core soil samples, 5-feet in length, were collected beginning at 5-feet and extending to total depth. Each soil core collected was field inspected for the presence of hydrocarbon staining, odor, and for volatile petroleum hydrocarbons using a photo-ionization detector (PID). Field PID readings indicated the presence of volatile hydrocarbon concentrations greater than 50 parts per million by volume (ppmv) were observed in soil samples collected at a depth of 25-foot from borings SB-1, SB-3, SB-4, SB-5 and SB-6.

Selected soil samples collected during the drilling activities were preserved for submittal to the analytical laboratory for chemical analysis in an acetate sample sleeve lined with Teflon and capped with tight fitting plastic caps. Upon sample retrieval at each sample interval, the sample core was immediately cut, sealed with Teflon film and plastic end caps, labeled, and placed in a cooler containing ice for preservation of the sample during transport to the analytical laboratory. The soil samples were transported along with chain-of-custody documentation to Associated Laboratories of Orange, California (Associated Laboratories) by GESI.

#### **4.5 GROUNDWATER SAMPLE COLLECTION**

Following the completion of the soil sample collection activities, new ¾-inch diameter PVC casing including 5 feet of screened casing was inserted into each borehole into the water column. Water was encountered in each of the borings at a depth of approximately 25 feet, with the exception of boring SB-4 where perched water was identified at a depth of 4 feet and was likely the result of a nearby septic system (no longer in use). An alternate drill hole SB-4A was advanced to collect the groundwater sample near the SB-4 location. New polyethylene tubing with a check valve at the bottom was inserted into each of the temporary well casings and groundwater was collected by hand pumping the tubing in the water column. Groundwater was decanted directly into six laboratory prepared, 40-milliliter VOAs at each location. The VOAs were labeled and immediately placed in a cooler chilled with ice for transport under chain of custody documentation to Associated Laboratories.

Following the completion of groundwater sample collection, the temporary well casing was removed from the borings and the open borehole was immediately backfilled with a Portland cement and bentonite grout tremied from the total depth of 30 feet up to within 6-inches of the surface. The surface was patched with concrete or asphalt to match the surrounding surface.

#### **4.6 CHEMICAL ANALYSIS OF SOIL AND GROUNDWATER SAMPLES**

A total of 22 soil samples and 6 groundwater samples were submitted for chemical analysis for the presence of TPH-G using U.S. EPA Method 8015M, and for BTEX and fuel oxygenates: MTBE, DIPE, TAME, ETBE, TBA, EDB, and EDC using U.S. EPA Method 8260B.

#### **4.6.1 Soil Sample Analytical Results**

Soil sample chemical analytical results are summarized on Table 1. The laboratory analytical results and chain of custody documentation is included in Appendix D.

The soil samples collected between depths of 20 and 25 feet in borings SB-1, SB-2, SB-3, SB-5, and SB-6 contained detectable concentrations of TPHg ranging between 6.9 milligrams per kilogram [mg/kg] (SB3-20') and 221 mg/kg (SB1-25'). The soil sample collected from a depth of 25 feet in boring SB-4 and the sample collected from a depth of 30 feet in boring SB-1 contained TPHg concentrations of 12 mg/kg and 33 mg/kg, respectively. A site map depicting TPHg concentrations identified in soil between depths of 20-25 feet in the soil borings is shown on Figure 3.

Detectable concentrations of benzene were identified in soil samples SB1-25' (0.026 mg/kg) and SB6-25' (0.025 mg/kg).

Detectable concentrations of MTBE were identified in soil sample SB2-30' (0.0095 mg/kg) and SB6-30' (0.0064 mg/kg).

Detectable concentrations of ethylbenzene and xylenes were identified in several soil samples collected from borings SB-1 through SB-6 as shown on Table 1.

#### **4.6.2 Groundwater Sample Analytical Results**

Groundwater sample chemical analytical results are summarized on Table 2. The laboratory analytical results and chain of custody documentation is included in Appendix D.

The groundwater samples SB1-W through SB3-W, SB4A-W, SB5-W, and SB6-W contained detectable concentrations of TPHg ranging between 76 micrograms per liter (ug/L) in SB4A-W and 25,300 ug/L in SB5-W. A site map showing TPHg concentrations identified in the groundwater samples and iso-concentration contours is shown on Figure 4.

Detectable concentrations of benzene were identified in groundwater samples SB1-W, SB3-W, SB5-W, and SB6-W at concentrations of 8.9 ug/L, 4.6 ug/L, 41 ug/L, and 9.2 ug/L, respectively.

Detectable concentrations of MTBE were identified in all of the groundwater samples (SB1-W through SB6-W) ranging from 17 ug/L in SB6-W to 199 ug/L in SB6-W.

Detectable concentrations of ethylbenzene, xylenes, and TBA were also detected in several soil samples collected from borings SB-1 through SB-6 as shown on Table 2.

#### **4.7 GEOTRACKER DATA SUBMITTAL**

Copies of the laboratory analytical reports, an updated site map, soil boring logs, and a copy of this report have been submitted to the State of California Water Resources Control Board - Geotracker Database system. Data submittal confirmation records are included in Appendix E.

## **5.0 CONCLUSIONS**

Based upon field observations and the laboratory analysis of samples and groundwater samples collected during this assessment, GESI provides the following conclusions and recommendations.

- Field observations indicate petroleum hydrocarbons are present in the soil at each of the six soil boring locations with the most significant concentrations being present at depths ranging between 20 feet and 25 feet.
- TPHg concentrations in soil greater than 100 mg/kg were identified in soil samples collected from borings SB-1, SB-2, and SB-5 located closest to the location of former well MW-2 and the former USTs.
- TPHg concentrations in water were higher in groundwater samples SB5-W (25,300 ug/L) and SB-6 (4,450 ug/L) located offsite to the west/southwest of former well MW-2 and the former USTs. MTBE concentrations in water were higher in groundwater samples SB1-W (199 ug/L) and SB2-W (149 ug/L) located onsite and offsite in the vicinity of former well MW-2.

Based on the results of these additional assessment activities, GESI concludes the lateral extent of petroleum hydrocarbons in the groundwater is not identified to the west of the Site.

## **6.0 RECOMMENDATIONS**

GESI recommends that three additional groundwater monitoring wells be installed offsite on the adjacent property to the west to allow the periodic collection of groundwater samples and further evaluate the groundwater flow direction and the lateral extent of dissolved phase hydrocarbons.

GESI recommends monitoring well MW-1A be properly abandoned.

GESI recommends one additional groundwater monitoring well be installed on the southeastern portion of the Site.

## **7.0 TECHNICAL WORK PLAN FOR WELL INSTALLATION**

Based on the results of the additional soil and groundwater assessment activities, GESI proposes to install four additional groundwater monitoring wells at the Site. Three of the wells (MW-15 through MW-17) are proposed to be installed on the adjacent property to the west. The fourth well, (MW-18) is proposed to be installed on the southeastern portion of the Site. This proposed project includes the following tasks:

- Obtain a well installation permit for the completion of four new groundwater monitoring wells from the Alameda County Public Works Department;
- Notify the property owner, site tenant, Alameda County, and coordinate the subcontractors as well as clear the Site of potential utility conflicts by notifying underground service alert of the intent to drill;
- Advance four drill holes in the following locations; south of soil boring SB-5 (MW-15), west of SB-2 (MW-16), north of SB-4A (MW-17), and northeast of well MW-6 (MW-18).
- During drilling, soil samples will be collected at approximate 5-foot intervals to a total depth of approximately 30 feet. Soil samples collected and exhibiting field indications of petroleum hydrocarbons will be selected for chemical analysis of TPHg using U.S. EPA Method 8015M and BTEX, MTBE, DIPE, TAME, TBA, EDB, EDC, and ETBE using U.S. EPA Method 8260B. At a minimum, 2 samples collected from each drill hole will be submitted for chemical analysis;
- Complete the four drill holes as 4-inch diameter schedule 40 PVC groundwater monitoring wells screened between depths of 10 feet and 30 feet;
- Develop and survey the new well locations/elevations and submit results to Geotracker.
- Prepare a report documenting the well installation activities, evaluating the results of soil and groundwater analysis, and present recommendations for additional assessment, remediation, or project closure.

### **7.1 HEALTH AND SAFETY PLAN**

A site specific health and safety plan has been prepared for this project and is included in Appendix F.

### **7.2 PROJECT PERMITTING, SCHEDULING, AND NOTIFICATION**

GESI will obtain a well installation permit from the Alameda County Public Works Department. GESI will mark the locations of the proposed drill holes / wells for utility clearance prior to advancement. Underground Service Alert will be notified a minimum of 72-hours prior to the initiation of the assessment activities to provide utility clearance for the Site. GESI will make the

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necessary notifications and coordinate the well installation activities with the Site tenant, the Responsible Party (RP), the Alameda County inspectors, the drilling contractor, the well surveyor, and the sample analytical laboratory.

### **7.3 DRILL HOLE ADVANCEMENT AND SOIL SAMPLE COLLECTION**

Four groundwater monitoring wells will be installed in the following locations; south of soil boring SB-5 (MW-15), west of SB-2 (MW-16), north of SB-4A (MW-17), and northeast of well MW-6 (MW-18). The proposed well locations are shown on Figure 7.

GESI will utilize the services of a licensed and insured drilling contractor to complete each drill hole using hollow stem auger drilling techniques. Prior to the advancement using a hollow-stem auger, each drill hole will be completed to a depth of at least five feet using a hand auger to clear for buried utilities. Each drill hole will be completed to a depth of approximately 30 feet.

During drilling, a geologist from GESI will be onsite to log each drill hole, field screen soil samples for the potential presence of petroleum hydrocarbons, and to collect soil samples for submittal to the laboratory for chemical analysis. Field logs of the drill holes will be completed by the GESI geologist that will include descriptions of the earth materials encountered, field observations concerning the presence of petroleum hydrocarbons and groundwater. During drill hole advancement, soil samples will be collected at a minimum of 5-foot depth intervals beginning at 5 feet and extending to the total depth of each drill hole. Each soil sample collected will be field inspected for the presence of hydrocarbon staining, odor, and for volatile petroleum hydrocarbons using a photo-ionization detector (PID).

Drill cuttings and decontamination water generated during the completion of the hollow-stem auger drill holes will be temporarily stored onsite in 55-gallon DOT drums. Upon receipt of the laboratory analytical data, the drums of soil will be transported offsite for disposal. Sample collection equipment will be cleaned prior to use and between sample intervals using a non-phosphate detergent wash followed by tap water and a second water rinse.

Soil samples will be preserved for submittal to an analytical laboratory for chemical analysis in stainless steel sample sleeves. Each sample will be capped with Teflon film and plastic end caps, labeled, and placed in a cooler containing ice and transported along with chain-of-custody documentation to a State of California certified laboratory to perform the analytical methods utilized for the subject project.

### **7.4 CHEMICAL ANALYSIS OF SOIL SAMPLES**

At least two soil samples per drill hole will be submitted for chemical analysis for the presence of TPHg using U.S. EPA Method 8015M and BTEX, MTBE, DIPE, TAME, TBA, EDB, EDC, and ETBE using U.S. EPA Method 8260B.

## **7.5 GROUNDWATER MONITORING WELL CONSTRUCTION, DEVELOPMENT AND SAMPLING**

Each monitoring well will be constructed using 4-inch diameter Schedule 40 PVC well casing. The casing will be screened from depths of approximately 10 feet to approximately 30 feet with 0.01-inch slotted casing. Blank well casing will be placed above the screened interval to ground surface. The casing will be sealed at the surface with a locking compression cap. Filter material consisting of No. 2/12 sand will be placed between the well bore and the well casing from total depth to a depth of approximately 9 feet in each well. A bentonite seal will be placed above the filter material to a depth of approximately 1-foot bgs. Each well will be sealed at the ground surface with a 12-inch diameter, traffic rated, well box placed in concrete.

Based on the anticipated slow recharge of these wells, the wells will be developed following well construction using a hand bailing/surge method to ensure a clean flow of groundwater through the filter pack. If recharge appears to be greater than expected, the hand bailer will be replaced with a submersible pump. Upon completion of development and water recovery, groundwater samples will be collected from each of the four new wells for laboratory analysis for the presence of TPHg using U.S. EPA Method 8015M and BTEX, MTBE, DIPE, TAME, TBA, EDB, EDC, and ETBE using U.S. EPA Method 8260B. The four new groundwater monitoring wells will be added to the semi-annual groundwater monitoring schedule.

## **7.6 MONITORING WELL SURVEY**

The locations and elevations of each of the new wells will be surveyed by a licensed Professional Land Surveyor. The locations of the wells will be surveyed from a known benchmark and the latitude and longitude will be measured by using a Global Positioning System (GPS) unit with a +1.0 feet accuracy for submittal to the State Geotracker Database. The top of casing elevation of each well head above mean sea level (MSL) will be measured to + 0.01 feet accuracy.

## **7.7 REPORTING MONITORING WELL INSTALLATION ACTIVITIES**

GESI will prepare a monitoring well installation report documenting the soil and groundwater observations and sampling activities, well construction details, and the completion of the well development and survey activities. GESI will provide conclusions concerning the need for additional site assessment or site remediation activities.

## **7.8 GEOTRACKER DATA SUBMITTAL**

Copies of the laboratory analytical reports, an updated site map, well location survey results and a copy of the well installation report will be submitted to the State of California Water Resources Control Board - Geotracker Database system. Data submittal confirmation records will be included in the report Appendices.

## **8.0 LIMITATIONS**

This report has been prepared for the sole benefit of Restructure Petroleum Marketing Services for submittal to the Alameda County Department of Environmental Health. No other persons may rely on the findings of this report without the expressed written consent of the client and GeoEnviro Services, Inc. In performing our professional services, we have attempted to apply present engineering and scientific judgment and use a level of effort consistent with the standard of practice measured on the date of work and in locale of the Site for similar type studies. GeoEnviro Services, Inc makes no warranty, express or implied.

The analyses and interpretations presented in this report have been developed based on the results from the review of existing information pertaining to the Site, soil and groundwater sampling at discrete locations at the Site, and the results from the laboratory analyses of soil and groundwater samples. It should be recognized that soil contamination can vary between sampling locations and between areas



**TABLE 1**  
**RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES FROM SOIL BORINGS, SEPTEMBER 2009**  
**Former EZ Serve 100877 / 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	MTBE (µg/kg)	TAME (µg/kg)	EDB (µg/kg)	EDC (µg/kg)	TBA (µg/kg)
SB1-15'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10
SB1-20'	9/24/2009	<b>7.7</b>	<b>26</b>	<5	<b>73</b>	<b>8.6</b>	<2	<2	<5	<2	<5	<5	<10
SB1-25'	9/24/2009	<b>221</b>	<250	<250	<b>5,430</b>	<b>10,500</b>	<100	<100	<250	<100	<250	<250	<500
SB1-30'	9/24/2009	<b>33</b>	<250	<250	<b>569</b>	<b>1,060</b>	<100	<100	<250	<100	<250	<250	<500
SB2-15'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10
SB2-20'	9/24/2009	<b>29</b>	<10	<10	<b>112</b>	<10	<4	<4	<10	<4	<10	<10	<20
SB2-25'	9/24/2009	<b>101</b>	<250	<250	<250	<250	<100	<100	<250	<100	<250	<250	<500
SB2-30'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<b>9.5</b>	<2	<5	<5	<10
SB3-20'	9/24/2009	<b>6.9</b>	<250	<250	<b>405</b>	<250	<100	<100	<250	<100	<250	<250	<500
SB3-25'	9/24/2009	<b>39</b>	<5	<5	<b>1,250</b>	<b>799</b>	<2	<2	<5	<2	<5	<5	<10
SB3-30'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<b>6.4</b>	<2	<5	<5	<10
SB4-15'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10
SB4-20'	9/24/2009	<3	<5	<5	<b>208</b>	<b>13</b>	<2	<2	<5	<2	<5	<5	<10
SB4-25'	9/24/2009	<b>12</b>	<250	<250	<b>459</b>	<250	<100	<100	<250	<100	<250	<250	<500
SB5-15'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10
SB5-20'	9/24/2009	<b>14</b>	<250	<250	<b>1,070</b>	<b>680</b>	<100	<100	<250	<100	<250	<250	<500
SB5-25'	9/24/2009	<b>102</b>	<250	<250	<b>778</b>	<250	<100	<100	<250	<100	<250	<250	<500
SB5-30'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10
SB6-15'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10
SB6-20'	9/24/2009	<b>18</b>	<250	<250	<b>359</b>	<250	<100	<100	<250	<100	<250	<250	<500
SB6-25'	9/24/2009	<b>7.6</b>	<b>25</b>	<5	<b>53</b>	<b>14</b>	<2	<2	<5	<2	<5	<5	<10
SB6-30'	9/24/2009	<3	<5	<5	<5	<5	<2	<2	<5	<2	<5	<5	<10

Notes:

TPH-G = total petroleum hydrocarbons with gasoline distinction  
MTBE = methyl tertiary butyl ether  
DIPE = di-isopropyl ether  
ETBE = ethyl-tert-butyl ether  
TAME = tert-amyl methyl ether  
TBA = tert butanol  
mg/kg= milligrams per kilogram  
µg/kg= micrograms per kilogram  
-- = not analyzed, measured, or collected

**TABLE 2**  
**RESULTS OF LABORATORY ANALYSIS OF WATER SAMPLES FROM SOIL BORINGS, SEPTEMBER 2009**  
**Former EZ Serve 100877 / 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	EDB (ug/L)	EDC (ug/L)	TBA (ug/L)
SB1-W	9/24/2009	<b>2,230</b>	<b>8.9</b>	<5	<b>91</b>	<b>141</b>	<1	<1	<b>199</b>	<1	<5	<5	32
SB2-W	9/24/2009	<b>1,640</b>	<1	<5	<b>37</b>	<b>9</b>	<1	<1	<b>149</b>	<1	<5	<5	20
SB3-W	9/24/2009	<b>1,830</b>	<b>4.6</b>	<5	<b>212</b>	<b>42</b>	<1	<1	<b>50</b>	<1	<5	<5	<10
SB4A-W	9/24/2009	<b>76</b>	<1	<5	<5	<5	<1	<1	<b>58</b>	<1	<5	<5	<b>11</b>
SB5-W	9/24/2009	<b>25,300</b>	<b>41.0</b>	<10	<b>1,090</b>	<b>167</b>	<10	<10	<b>36</b>	<10	<50	<50	<100
SB6-W	9/24/2009	<b>4,450</b>	<b>9.2</b>	<5	<b>13</b>	<5	<1	<1	<b>17</b>	<1	<5	<5	<10

Notes:

- TPH-G = total petroleum hydrocarbons with gasoline distinction
- MTBE = methyl tertiary butyl ether
- DIPE = di-isopropyl ether
- ETBE = ethyl-tert-butyl ether
- TAME = tert-amyl methyl ether
- TBA = tert butanol
- EDB = Ethylene dibromide
- EDC = Ethylene dichloride
- ug/L= micrograms per liter
- = not analyzed, measured, or collected

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

<b>Well ID</b>	<b>Date Monitored</b>	<b>Top of Casing Elevation* (feet)</b>	<b>Screen Interval (fbg)</b>	<b>Free Product</b>	<b>Depth to Water (feet)</b>	<b>Groundwater Elevation (feet)</b>
MW-1	02/05/92	41.75	15-29	--	20.82	20.93
MW-1	09/11/92	41.75	15-29	--	20.08	21.67
MW-1	12/22/92	41.75	15-29	--	19.79	21.96
MW-1	03/03/93	41.75	15-29	--	16.23	25.52
MW-1	06/23/93	41.75	15-29	--	16.86	24.89
MW-1	09/30/93	41.75	15-29	--	18.04	23.71
MW-1	02/06/94	41.75	15-29	--	18.15	23.60
MW-1	05/02/94	41.75	15-29	--	17.26	24.49
MW-1	07/01/94	41.75	15-29	--	17.60	24.15
MW-1	09/20/94	41.75	15-29	--	20.59	21.16
MW-1	12/05/92	41.75	15-29	--	17.83	23.92
MW-1	03/10/95	41.75	15-29	--	14.67	27.08
MW-1	03/15/95	41.75	15-29	--	14.43	27.32
MW-1	09/23/96	41.75	15-29	--	14.92	26.83
MW-1	12/04/96	41.75	15-29	--	15.61	26.14
MW-1	04/08/97	41.75	15-29	--	13.25	28.50
MW-1	06/30/97	41.75	15-29	--	14.68	27.07
MW-1	11/25/97	41.75	15-29	--	15.99	25.76
MW-1	06/01/98	41.75	15-29	--	9.98	31.77
MW-1	06/14/01	41.75	15-29	--	15.05	26.70
MW-1	11/07/01	41.75	15-29	--	16.31	25.44
MW-1	01/30/02	41.75	15-29	--	14.15	27.60
MW-1	05/29/02	41.75	15-29	--	14.55	27.20
MW-1	08/14/02	41.75	15-29	--	15.56	26.19
MW-1	11/15/02	41.75	15-29	--	16.10	25.65
MW-1	10/25/04	41.75	15-29	--	15.99	25.76
MW-1	12/23/04	41.75	15-29	--	15.64	26.11
MW-1	02/25/05	41.75	15-29	--	12.79	28.96
MW-1	05/19/05	41.75	15-29	--	12.27	29.48
MW-1	09/15/05	41.75	15-29	--	14.30	27.45
MW-1	03/20/06	41.75	15-29	--	11.44	30.31
MW-1	05/25/06	41.75	15-29	--	11.05	30.70
MW-1	08/23/06	41.75	15-29	--	12.75	29.00
MW-1	03/14/07	41.75	15-29	--	13.12	28.63
MW-1	06/11/07	41.75	15-29	--	14.42	27.33
MW-1	08/01/07	41.75	15-29	--	14.97	26.78
MW-1	02/27/08	41.75	15-29	--	13.35	28.40
MW-1	05/13/08	41.75	15-29	--	14.51	27.24
MW-1	08/27/08	41.75	15-29	--	15.37	26.38
MW-1	11/18/08	41.75	15-29	--	15.88	25.87
MW-1	03/11/09	41.75	15-29	--	13.65	28.10
<b>MW-1</b>	<b>09/22/09</b>	<b>41.75</b>	<b>15-29</b>	<b>--</b>	<b>16.41</b>	<b>25.34</b>
MW-1A	06/23/93	43.40	--	0.21	17.80	25.75
MW-1A	09/30/93	43.40	--	--	--	--
MW-1A	02/06/94	43.40	--	--	18.89	24.51
MW-1A	05/02/94	43.40	--	0.09	18.35	38.40
MW-1A	07/01/94	43.40	--	--	18.45	24.95
MW-1A	09/20/94	43.40	--	0.22	21.72	21.84

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

<b>Well ID</b>	<b>Date Monitored</b>	<b>Top of Casing Elevation* (feet)</b>	<b>Screen Interval (fbg)</b>	<b>Free Product</b>	<b>Depth to Water (feet)</b>	<b>Groundwater Elevation (feet)</b>
MW-1A	12/05/94	43.40	--	0.07	18.87	24.58
MW-1A	03/10/95	43.40	--	--	15.83	27.57
MW-1A	03/15/95	43.40	--	0.05	15.55	27.89
MW-1A	09/23/96	43.40	--	0.01	16.00	27.41
MW-1A	12/04/96	43.40	--	--	16.55	26.85
MW-1A	04/08/97	43.40	--	SHEEN	14.15	29.25
MW-1A	06/30/97	43.40	--	--	15.57	27.83
MW-1A	11/25/97	43.40	--	--	16.91	26.49
MW-1A	06/01/98	43.40	--	--	10.78	32.62
MW-1A	06/14/01	43.40	--	0.01	15.93	27.48
MW-1A	11/07/01	43.40	--	--	17.32	26.08
MW-1A	01/30/02	43.40	--	--	15.05	28.35
MW-1A	05/29/02	43.40	--	--	15.49	27.91
MW-1A	08/14/02	43.40	--	--	16.50	26.90
MW-1A	11/15/02	43.40	--	--	17.04	26.36
MW-1A	10/25/04	43.40	--	--	16.90	26.50
MW-1A	12/23/04	43.40	--	--	16.60	26.80
MW-1A	02/25/05	43.40	--	--	13.75	29.65
MW-1A	05/19/05	43.40	--	--	13.12	30.28
MW-1A	09/15/05	43.40	--	--	15.16	28.24
MW-1A	11/10/05	43.40	--	--	15.78	27.62
MW-1A	03/20/06	43.40	--	--	12.64	30.76
MW-1A	05/25/06	43.40	--	--	11.85	31.55
MW-1A	08/23/06	43.40	--	--	13.55	29.85
MW-1A	03/14/07	43.40	--	--	14.00	29.40
MW-1A	06/12/07	43.40	--	--	15.30	28.10
MW-1A	08/01/07	43.40	--	--	15.84	27.56
MW-1A	02/27/08	43.40	--	--	14.10	29.30
MW-1A	05/13/08	43.40	Well Not Accessable	--	--	--
MW-1A	08/27/08	43.40	Well Dry	--	--	--
MW-1A	11/18/08	43.40	Well Dry	--	--	--
MW-1A	03/11/09	43.40	Well Dry	--	--	--
<b>MW-1A</b>	<b>09/22/09</b>	<b>43.40</b>	<b>Well Dry</b>	<b>--</b>	<b>--</b>	<b>--</b>
MW-2	02/05/92	43.26	15-29	--	22.35	20.91
MW-2	09/11/92	43.26	15-29	--	21.67	21.59
MW-2	12/22/92	43.26	15-29	--	21.39	21.87
MW-2	03/03/93	43.26	15-29	--	17.75	25.51
MW-2	06/23/93	43.26	15-29	--	18.42	24.84
MW-2	09/30/93	43.26	15-29	--	19.63	23.63
MW-2	02/06/94	43.26	15-29	--	19.61	23.65
MW-2	05/02/94	43.26	15-29	--	19.84	23.42
MW-2	07/01/94	43.26	15-29	--	19.18	24.08
MW-2	09/20/94	43.26	15-29	--	22.17	21.09
MW-2	12/06/94	43.26	15-29	--	19.37	23.89
MW-2	03/10/95	43.26	15-29	--	16.33	26.93
MW-2	03/15/95	43.26	15-29	--	16.89	26.37
MW-2	09/23/96	43.26	15-29	--	16.61	26.65
MW-2	12/04/96	43.26	15-29	--	17.19	26.07

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
February 1992 through September 2009  
EZ Serve 100877, 525 West A Street, Hayward, CA

Well ID	Date Monitored	Top of Casing Elevation* (feet)	Screen Interval (fbg)	Free Product	Depth to Water (feet)	Groundwater Elevation (feet)
MW-2	04/08/97	43.26	15-29	--	14.86	28.40
MW-2	06/30/97	43.26	15-29	--	16.28	26.98
MW-2	11/25/97	43.26	15-29	--	17.56	25.70
MW-2	06/01/98	43.26	15-29	--	11.58	31.68
MW-2	06/14/01	43.26	15-29	--	16.63	26.63
MW-2	11/07/01	43.26	15-29	--	17.85	25.41
MW-2	01/30/02	43.26	15-29	--	15.65	27.61
MW-2	05/29/02	43.26	15-29	--	16.12	27.14
MW-2	08/14/02	43.26	15-29	--	17.20	26.06
MW-2	11/15/02	43.26	15-29	--	17.63	25.63
MW-2	10/25/04	43.26	15-29	--	17.53	25.73
MW-2	12/23/04	43.26	15-29	--	17.15	26.11
MW-2	02/25/05	43.26	15-29	--	14.30	28.96
MW-2	05/19/05	43.26	15-29	--	13.81	29.45
MW-2	09/15/05	43.26	15-29	Inaccessible due to temporary habitat		
MW-2	11/10/05	43.26	15-29	--	16.39	26.87
MW-2	03/20/06	43.26	15-29	--	13.00	30.26
MW-2	05/25/06	43.26	15-29	Destroyed on March 2, 2006		
MW-3	02/05/92	43.89	15-29	--	21.85	22.04
MW-3	09/11/92	43.89	15-29	--	21.13	22.76
MW-3	12/22/92	43.89	15-29	--	20.88	23.01
MW-3	03/03/93	43.89	15-29	--	17.29	26.60
MW-3	06/23/93	43.89	15-29	--	17.88	26.01
MW-3	09/30/93	43.89	15-29	--	19.18	24.71
MW-3	02/06/94	43.89	15-29	--	19.21	24.68
MW-3	05/02/94	43.89	15-29	--	18.30	25.59
MW-3	07/01/94	43.89	15-29	--	18.63	25.26
MW-3	09/20/94	43.89	15-29	--	21.64	22.25
MW-3	12/06/94	43.89	15-29	--	19.15	24.74
MW-3	03/10/95	43.89	15-29	--	16.33	27.56
MW-3	03/15/95	43.89	15-29	--	16.89	27.00
MW-3	09/23/96	43.89	15-29	--	16.11	27.78
MW-3	12/04/96	43.89	15-29	--	16.63	27.26
MW-3	04/08/97	43.89	15-29	--	14.25	29.64
MW-3	06/30/97	43.89	15-29	--	15.70	28.19
MW-3	11/25/97	43.89	15-29	--	16.99	26.90
MW-3	06/01/98	43.89	15-29	--	--	--
MW-3	06/14/01	43.89	15-29	--	16.02	27.87
MW-3	11/07/01	43.89	15-29	--	17.33	26.56
MW-3	01/30/02	43.89	15-29	--	15.10	28.79
MW-3	05/29/02	43.89	15-29	--	15.63	28.26
MW-3	08/14/02	43.89	15-29	--	16.63	27.26
MW-3	11/15/02	43.89	15-29	--	17.10	26.79
MW-3	10/25/04	43.89	15-29	--	17.01	26.88
MW-3	12/20/04	43.89	15-29	--	16.64	27.25
MW-3	02/25/05	43.89	15-29	Could not locate, VEAS-2 sampled instead		
MW-3	05/19/05	43.89	15-29	Could not locate, VEAS-2 sampled instead		
MW-3	09/15/05	43.89	15-29	--	Couldn't locate	--

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

<b>Well ID</b>	<b>Date Monitored</b>	<b>Top of Casing Elevation* (feet)</b>	<b>Screen Interval (fbg)</b>	<b>Free Product</b>	<b>Depth to Water (feet)</b>	<b>Groundwater Elevation (feet)</b>
MW-3	11/10/05	43.89	15-29	--	Couldn't locate	--
MW-3	03/20/06	43.89	15-29	--	12.44	31.45
MW-3	05/25/06	43.89	15-29	--	12.05	31.84
MW-3	08/23/06	43.89	15-29	--	13.75	30.14
MW-3	03/14/07	43.89	15-29	--	14.11	29.78
MW-3	06/12/07	43.89	15-29	--	15.43	28.46
MW-3	08/01/07	43.89	15-29	--	15.97	27.92
MW-3	02/27/08	43.89	15-29	--	14.40	29.49
MW-3	05/13/08	43.89	15-29	--	15.52	28.37
MW-3	08/27/08	43.89	15-29	--	16.79	27.10
MW-3	11/18/08	43.89	15-29	--	17.30	26.59
MW-3	03/11/09	43.89	15-29	--	15.37	28.52
<b>MW-3</b>	<b>09/22/09</b>	<b>43.89</b>	<b>15-29</b>	<b>--</b>	<b>17.86</b>	<b>26.03</b>
MW-4	02/05/92	42.76	15-29	--	21.31	21.45
MW-4	09/11/92	42.76	15-29	--	20.62	22.14
MW-4	12/22/92	42.76	15-29	--	20.37	22.39
MW-4	03/03/93	42.76	15-29	--	16.78	25.98
MW-4	06/23/93	42.76	15-29	--	17.45	25.31
MW-4	09/30/93	42.76	15-29	--	18.64	24.12
MW-4	02/06/94	42.76	15-29	--	18.59	24.17
MW-4	05/02/94	42.76	15-29	--	17.81	24.95
MW-4	07/01/94	42.76	15-29	--	18.13	24.63
MW-4	09/20/94	42.76	15-29	--	21.13	21.63
MW-4	12/06/94	42.76	15-29	--	18.36	24.40
MW-4	03/10/95	42.76	15-29	--	15.25	27.51
MW-4	03/15/95	42.76	15-29	--	14.89	27.87
MW-4	09/23/96	42.76	15-29	--	15.56	27.20
MW-4	12/04/96	42.76	15-29	--	16.11	26.65
MW-4	04/08/97	42.76	15-29	--	13.73	29.03
MW-4	06/30/97	42.76	15-29	--	15.19	27.57
MW-4	11/25/97	42.76	15-29	--	16.49	26.27
MW-4	06/01/98	42.76	15-29	--	10.42	32.34
MW-4	06/14/01	42.76	15-29	--	15.55	27.21
MW-4	11/07/01	42.76	15-29	--	16.81	25.95
MW-4	01/30/02	42.76	15-29	--	14.60	28.16
MW-4	05/29/02	42.76	15-29	--	15.14	27.62
MW-4	08/14/02	42.76	15-29	--	16.07	26.69
MW-4	11/15/02	42.76	15-29	--	16.61	26.15
MW-4	10/25/04	42.76	15-29	--	16.50	26.26
MW-4	12/23/04	42.76	15-29	--	16.20	26.56
MW-4	02/25/05	42.76	15-29	--	13.30	29.46
MW-4	05/19/05	42.76	15-29	--	12.74	30.02
MW-4	09/15/05	42.76	15-29	--	14.80	27.96
MW-4	11/10/06	42.76	15-29	--	15.45	27.31
MW-4	03/20/06	42.76	15-29	--	11.93	30.83
MW-4	05/25/06	42.76	15-29	--	11.49	31.27
MW-4	08/23/06	42.76	15-29	--	13.23	29.53
MW-4	03/14/07	42.76	15-29	--	13.65	29.11

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

Well ID	Date Monitored	Top of Casing Elevation* (feet)	Screen Interval (fbg)	Free Product	Depth to Water (feet)	Groundwater Elevation (feet)
MW-4	06/12/07	42.76	15-29	--	14.92	27.84
MW-4	08/01/07	42.76	15-29	--	15.48	27.28
MW-4	02/27/08	42.76	15-29	--	Could not locate well	
MW-4	05/13/08	42.76	15-29	--	15.02	27.74
MW-4	08/27/08	42.76	15-29	--	16.28	26.48
MW-4	11/18/08	42.76	15-29	--	16.81	25.95
MW-4	03/11/09	42.76	15-29	--	14.87	27.89
<b>MW-4</b>	<b>09/22/09</b>	<b>42.76</b>	<b>15-29</b>	<b>--</b>	<b>17.33</b>	<b>25.43</b>
MW-5	02/05/92	42.10	15-29	--	20.93	21.17
MW-5	09/11/92	42.10	15-29	--	20.27	21.83
MW-5	12/22/92	42.10	15-29	--	19.99	22.11
MW-5	03/03/93	42.10	15-29	--	16.49	25.61
MW-5	06/23/93	42.10	15-29	--	17.02	25.08
MW-5	09/30/93	42.10	15-29	--	18.25	23.85
MW-5	02/06/94	42.10	15-29	--	18.26	23.84
MW-5	05/02/94	42.10	15-29	--	17.50	24.60
MW-5	07/01/94	42.10	15-29	--	17.79	24.31
MW-5	09/20/94	42.10	15-29	--	20.77	21.33
MW-5	15/5/92	42.10	15-29	--	18.02	24.08
MW-5	03/10/95	42.10	15-29	--	14.93	27.17
MW-5	03/15/95	42.10	15-29	--	14.70	27.40
MW-5	09/23/96	42.10	15-29	--	15.19	26.91
MW-5	12/04/96	42.10	15-29	--	15.78	26.32
MW-5	04/08/97	42.10	15-29	--	13.39	28.71
MW-5	06/30/97	42.10	15-29	--	14.83	27.27
MW-5	11/25/97	42.10	15-29	--	16.14	25.96
MW-5	06/01/98	42.10	15-29	--	10.10	32.00
MW-5	06/14/01	42.10	15-29	--	15.19	26.91
MW-5	11/07/01	42.10	15-29	--	16.47	25.63
MW-5	01/30/02	42.10	15-29	--	14.27	27.83
MW-5	05/29/02	42.10	15-29	--	14.73	27.37
MW-5	08/14/02	42.10	15-29	--	15.73	26.37
MW-5	11/15/02	42.10	15-29	--	16.27	25.83
MW-5	10/25/04	42.10	15-29	--	16.15	25.95
MW-5	12/23/04	42.10	15-29	--	15.88	26.22
MW-5	02/25/05	42.10	15-29	--	12.97	29.13
MW-5	05/19/05	42.10	15-29	--	12.48	29.62
MW-5	09/15/05	42.10	15-29	--	15.47	26.63
MW-5	11/10/08	42.10	15-29	--	15.03	27.07
MW-5	03/20/06	42.10	15-29	--	11.79	30.31
MW-5	05/25/06	42.10	15-29	--	11.15	30.95
MW-5	08/23/06	42.10	15-29	--	12.88	29.22
MW-5	03/14/07	42.10	15-29	--	13.28	28.82
MW-5	06/11/07	42.10	15-29	--	14.56	27.54
MW-5	08/01/07	42.10	15-29	--	15.11	26.99
MW-5	02/27/08	42.10	15-29	--	13.49	28.61
MW-5	05/13/08	42.10	15-29	--	14.64	27.46
MW-5	08/27/08	42.10	15-29	--	15.93	26.17

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

Well ID	Date Monitored	Top of Casing Elevation* (feet)	Screen Interval (fbg)	Free Product	Depth to Water (feet)	Groundwater Elevation (feet)
MW-5	11/18/08	42.10	15-29	--	16.43	25.67
MW-5	03/11/09	42.10	15-29	--	14.53	27.57
<b>MW-5</b>	<b>09/22/09</b>	<b>42.10</b>	<b>15-29</b>	<b>--</b>	<b>16.95</b>	<b>25.15</b>
MW-6	02/05/92	42.33	15-29	--	21.29	21.04
MW-6	09/11/92	42.33	15-29	--	20.56	21.77
MW-6	12/22/92	42.33	15-29	--	20.31	22.02
MW-6	03/03/93	42.33	15-29	--	16.83	25.50
MW-6	06/23/93	42.33	15-29	--	17.30	25.03
MW-6	09/30/93	42.33	15-29	--	19.05	23.28
MW-6	02/06/94	42.33	15-29	--	18.55	23.78
MW-6	05/02/94	42.33	15-29	--	17.74	24.59
MW-6	07/01/94	42.33	15-29	--	18.09	24.24
MW-6	09/20/94	42.33	15-29	--	21.05	21.28
MW-6	12/06/94	42.33	15-29	--	18.33	24.00
MW-6	03/10/95	42.33	15-29	--	15.35	26.98
MW-6	03/15/95	42.33	15-29	--	14.91	27.42
MW-6	09/23/96	42.33	15-29	--	15.50	26.83
MW-6	12/04/96	42.33	15-29	--	16.06	26.27
MW-6	04/08/97	42.33	15-29	--	13.64	28.69
MW-6	06/30/97	42.33	15-29	--	15.08	27.25
MW-6	11/25/97	42.33	15-29	--	16.40	25.93
MW-6	06/01/98	42.33	15-29	--	10.31	32.02
MW-6	06/14/01	42.33	15-29	--	15.46	26.87
MW-6	11/07/01	42.33	15-29	--	16.71	25.62
MW-6	01/30/02	42.33	15-29	--	14.60	27.73
MW-6	05/29/02	42.33	15-29	--	14.99	27.34
MW-6	08/14/02	42.33	15-29	--	16.03	26.30
MW-6	11/15/02	42.33	15-29	--	16.53	25.80
MW-6	10/25/04	42.33	15-29	--	16.43	25.90
MW-6	12/23/04	42.33	15-29	--	16.12	26.21
MW-6	02/25/05	42.33	15-29	--	13.13	29.20
MW-6	05/19/05	42.33	15-29	--	12.61	29.72
MW-6	09/15/05	42.33	15-29	--	14.69	27.64
MW-6	11/10/05	42.33	15-29	--	15.30	27.03
MW-6	03/20/06	42.33	15-29	--	11.88	30.45
MW-6	05/25/06	42.33	15-29	--	11.38	30.95
MW-6	08/23/06	42.33	15-29	--	13.10	29.23
MW-6	03/14/07	42.33	15-29	--	13.52	28.81
MW-6	06/12/07	42.33	15-29	--	14.80	27.53
MW-6	08/01/07	42.33	15-29	--	15.38	26.95
MW-6	02/27/08	42.33	15-29	--	13.79	28.54
MW-6	05/13/08	42.33	15-29	--	14.93	27.40
MW-6	08/27/08	42.33	15-29	--	Well Not Accessable	
MW-6	11/18/08	42.33	15-29	--	Well Not Accessable	
MW-6	03/11/09	42.33	15-29	--	Well Not Accessable	
<b>MW-6</b>	<b>09/22/09</b>	<b>42.33</b>	<b>15-29</b>	<b>--</b>	<b>Well Not Accessable</b>	
MW-7	06/23/93	42.70	10-29	--	17.87	24.83



**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

Well ID	Date Monitored	Top of Casing Elevation* (feet)	Screen Interval (fbg)	Free Product	Depth to Water (feet)	Groundwater Elevation (feet)
MW-7	09/30/93	42.70	10-29	--	18.94	23.76
MW-7	02/06/94	42.70	10-29	0.06	19.11	23.63
MW-7	05/02/94	42.70	10-29	--	18.11	24.59
MW-7	07/01/94	42.70	10-29	--	18.72	23.98
MW-7	09/20/94	42.70	10-29	--	21.41	21.29
MW-7	12/05/94	42.70	10-29	--	18.66	24.04
MW-7	03/10/95	42.70	10-29	--	15.72	26.98
MW-7	03/14/95	42.70	10-29	--	15.23	27.47
MW-7	09/23/96	42.70	10-29	--	15.94	26.76
MW-7	12/04/96	42.70	10-29	--	16.43	26.27
MW-7	04/08/97	42.70	10-29	--	14.10	28.60
MW-7	06/30/97	42.70	10-29	--	15.51	27.19
MW-7	11/25/97	42.70	10-29	--	16.80	25.90
MW-7	06/01/98	42.70	10-29	--	10.31	32.39
MW-7	06/14/01	42.70	10-29	--	15.46	27.24
MW-7	11/07/01	42.70	10-29	--	--	--
MW-7	01/30/02	42.70	10-29	--	14.97	27.73
MW-7	05/29/02	42.70	10-29	--	15.49	27.21
MW-7	08/14/02	42.70	10-29	--	16.44	26.26
MW-7	11/15/02	42.70	10-29	--	16.91	25.79
MW-7	10/25/04	42.70	10-29		Could not locate	
MW-7	05/19/05	42.70	10-29	--	13.06	29.64
MW-7	09/15/05	42.70	10-29		Could not locate	
MW-7	11/10/05	42.70	10-29	--	15.78	26.92
MW-7	03/20/06	42.70	10-29		Could not locate	
MW-7	05/25/06	42.70	10-29		Well was blocked by debris	
MW-7	08/23/06	42.70	10-29	--	13.60	29.10
MW-7	03/14/07	42.70	10-29	--	14.00	28.70
MW-7	06/12/07	42.70	10-29		Well not safe to access due to dog	
MW-7	08/01/07	42.70	10-29	--	15.82	26.88
MW-7	02/27/08	42.70	10-29	--	14.24	28.46
MW-7	05/13/08	42.70	10-29	--	14.37	28.33
MW-7	08/27/08	42.70	10-29	--	16.62	26.08
MW-7	11/18/08	42.70	10-29	--	17.12	25.58
MW-7	03/11/09	42.70	10-29	--	15.28	27.42
<b>MW-7</b>	<b>09/22/09</b>	<b>42.70</b>	<b>10-29</b>	<b>--</b>	<b>17.65</b>	<b>25.05</b>
MW-8	06/23/93	97.61	10-29	--	17.64	79.97
MW-8	09/30/93	97.61	10-29	--	18.85	78.76
MW-8	02/06/94	97.61	10-29	--	18.91	78.70
MW-8	05/02/94	97.61	10-29	--	18.11	79.50
MW-8	07/01/94	97.61	10-29	--	18.43	79.18
MW-8	09/20/94	97.61	10-29	--	21.43	76.18
MW-8	12/05/94	97.61	10-29	--	18.72	78.89
MW-8	03/10/95	97.61	10-29	--	18.69	78.92
MW-8	03/15/95	97.61	10-29	--	14.83	82.78
MW-8	09/23/96	97.61	10-29	--	15.83	81.78

Not sampled, well inaccessible since 4th quarter, 1996

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
**February 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

<b>Well ID</b>	<b>Date Monitored</b>	<b>Top of Casing Elevation* (feet)</b>	<b>Screen Interval (fbg)</b>	<b>Free Product</b>	<b>Depth to Water (feet)</b>	<b>Groundwater Elevation (feet)</b>
MW-9	06/23/93	95.41	10-29	--	15.94	79.47
MW-9	09/30/93	95.41	10-29	--	17.05	78.36
MW-9	02/06/94	95.41	10-29	--	17.07	78.34
MW-9	05/02/94	95.41	10-29	--	16.24	79.17
MW-9	07/01/94	95.41	10-29	--	15.59	79.82
MW-9	09/20/94	95.41	10-29	--	16.61	78.80
MW-9	12/05/94	95.41	10-29	--	16.58	78.83
MW-9	03/10/95	95.41	10-29	--	--	--
MW-9	03/15/95	95.41	10-29	--	14.18	81.23
Not sampled, well inaccessible since 1st quarter, 1995						
MW-10	06/23/93	97.11	10-29	--	17.39	79.72
MW-10	09/30/93	97.11	10-29	--	18.58	78.53
MW-10	02/06/94	97.11	10-29	--	18.61	78.50
MW-10	05/02/94	97.11	10-29	--	17.83	79.28
MW-10	07/01/94	97.11	10-29	--	18.17	78.94
MW-10	09/20/94	97.11	10-29	--	21.15	75.96
MW-10	12/05/94	97.11	10-29	--	18.43	78.68
MW-10	03/10/95	97.11	10-29	--	15.37	81.74
MW-10	03/15/95	97.11	10-29	--	15.97	81.14
MW-10	09/23/96	97.11	10-29	--	15.59	81.52
MW-10	12/04/96	97.11	10-29	--	16.15	80.96
Not sampled, well inaccessible since 4th quarter, 1996						
MW-11	02/10/95	92.68	5-29	--	11.80	80.88
MW-11	03/10/95	92.68	5-29	--	11.58	81.10
MW-11	03/15/95	92.68	5-29	--	13.96	78.72
MW-11	09/23/96	92.68	5-29	--	12.29	80.39
MW-11	12/04/96	92.68	5-29	--	--	--
MW-11	04/08/97	92.68	5-29	--	10.51	82.17
Not sampled, well inaccessible since 2nd quarter, 1997						
MW-12	02/10/95	43.25	10-30	--	16.30	26.95
MW-12	03/10/95	43.25	10-30	--	16.37	26.88
MW-12	03/14/95	43.25	10-30	--	15.69	27.56
MW-12	09/23/96	43.25	10-30	--	16.67	26.58
MW-12	12/04/96	43.25	10-30	--	17.16	26.09
MW-12	04/08/97	43.25	10-30	--	14.88	28.37
MW-12	06/30/97	43.25	10-30	--	16.33	26.92
MW-12	11/25/97	43.25	10-30	--	17.61	25.64
MW-12	06/01/98	43.25	10-30	--	11.58	31.67
MW-12	06/14/01	43.25	10-30	--	16.62	26.63
MW-12	11/07/01	43.25	10-30	--	17.91	25.34
MW-12	01/30/02	43.25	10-30	--	15.60	27.65
MW-12	05/29/02	43.25	10-30	--	16.24	27.01
MW-12	08/14/02	43.25	10-30	--	17.20	26.05
MW-12	11/15/02	43.25	10-30	--	17.62	25.63
MW-12	10/25/04	43.25	10-30	Well not sampled, cars parked on well		
MW-12	02/25/05	43.25	10-30	--	14.72	28.53

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
February 1992 through September 2009  
EZ Serve 100877, 525 West A Street, Hayward, CA

Well ID	Date Monitored	Top of Casing Elevation* (feet)	Screen Interval (fbg)	Free Product	Depth to Water (feet)	Groundwater Elevation (feet)
MW-12	05/19/05	43.25	10-30	--	13.80	29.45
MW-12	09/15/05	43.25	10-30	--	15.94	27.31
MW-12	11/10/05	43.25	10-30	--	16.51	26.74
MW-12	03/20/06	43.25	10-30	--	13.04	30.21
MW-12	05/25/06	43.25	10-30	--	12.65	30.60
MW-12	08/23/06	43.25	10-30	--	14.44	28.81
MW-12	03/14/07	43.25	10-30	--	14.70	28.55
MW-12	06/11/07	43.25	10-30	--	16.02	27.23
MW-12	08/01/07	43.25	10-30	--	16.57	26.68
MW-12	02/27/08	43.25	10-30	--	14.99	28.26
MW-12	05/13/08	43.25	10-30	--	16.12	27.13
MW-12	08/27/08	43.25	10-30	--	17.37	25.88
MW-12	11/18/08	43.25	10-30	--	17.82	25.43
MW-12	03/11/09	43.25	10-30	--	15.88	27.37
<b>MW-12</b>	<b>09/22/09</b>	<b>43.25</b>	<b>10-30</b>	<b>--</b>	<b>18.33</b>	<b>24.92</b>
MW-13	02/10/95	40.97	10-30	--	14.45	26.52
MW-13	03/10/95	40.97	10-30	--	14.30	26.67
MW-13	03/14/95	40.97	10-30	--	15.81	25.16
MW-13	09/23/96	40.97	10-30	--	14.60	26.37
MW-13	12/04/96	40.97	10-30	--	--	--
MW-13	04/08/97	40.97	10-30	--	12.75	28.22
MW-13	06/30/97	40.97	10-30	--	14.13	26.84
MW-13	11/25/97	40.97	10-30	--	15.48	25.49
MW-13	06/01/98	40.97	10-30	--	9.58	31.39
MW-13	06/14/01	40.97	10-30	--	14.51	26.46
MW-13	11/07/01	40.97	10-30	--	15.85	25.12
MW-13	01/30/02	40.97	10-30	--	13.65	27.32
MW-13	05/29/02	40.97	10-30	--	14.10	26.87
MW-13	08/14/02	40.97	10-30	--	15.13	25.84
MW-13	11/15/02	40.97	10-30	--	--	--
MW-13	10/25/04	40.97	Well not sampled. Unable to locate well since 10/25/04			
MW-14	02/10/95	43.19	10-30	--	16.28	26.91
MW-14	03/10/95	43.19	10-30	--	16.33	26.86
MW-14	03/14/95	43.19	10-30	--	14.87	28.32
MW-14	09/23/96	43.19	10-30	--	16.67	26.52
MW-14	12/04/96	43.19	10-30	--	17.06	26.13
MW-14	04/08/97	43.19	10-30	--	14.77	28.42
MW-14	06/30/97	43.19	10-30	--	16.22	26.97
MW-14	11/25/97	43.19	10-30	--	17.52	25.67
MW-14	06/01/98	43.19	10-30	--	11.46	31.73
MW-14	06/14/01	43.19	10-30	--	16.53	26.66
MW-14	11/07/01	43.19	10-30	--	17.84	25.35
MW-14	01/30/02	43.19	10-30	--	15.55	27.64
MW-14	05/29/02	43.19	10-30	--	16.14	27.05
MW-14	08/14/02	43.19	10-30	--	17.12	26.07
MW-14	11/15/02	43.19	10-30	--	17.56	25.63
MW-14	10/25/04	43.19	Well not sampled. Unable to locate well due to parked cars			

**TABLE 3**  
**SUMMARY OF HISTORICAL GROUNDWATER ELEVATION DATA**  
 February 1992 through September 2009  
 EZ Serve 100877, 525 West A Street, Hayward, CA

Well ID	Date Monitored	Top of Casing Elevation* (feet)	Screen Interval (fbg)	Free Product	Depth to Water (feet)	Groundwater Elevation (feet)
MW-14	02/25/05	43.19	10-30	--	14.20	28.99
MW-14	05/19/05	43.19	10-30	--	13.71	29.48
MW-14	09/15/05	43.19	10-30	Well not sampled due to lack of traffic control		
MW-14	11/10/05	43.19	10-30	Well not sampled due to lack of traffic control		
MW-14	03/20/06	43.19	10-30	--	12.94	30.25
MW-14	05/25/06	43.19	10-30	--	12.68	30.51
MW-14	08/23/06	43.19	10-30	--	15.32	27.87
MW-14	03/14/07	43.19	10-30	--	14.58	28.61
MW-14	06/11/07	43.19	10-30	--	15.95	27.24
MW-14	08/01/07	43.19	10-30	--	16.47	26.72
MW-14	02/27/08	43.19	10-30	--	14.91	28.28
MW-14	05/13/08	43.19	10-30	--	16.03	27.16
MW-14	08/27/08	43.19	10-30	--	17.28	25.91
MW-14	11/18/08	43.19	10-30	--	17.75	25.44
MW-14	03/11/09	43.19	10-30	--	15.83	27.36
<b>MW-14</b>	<b>09/22/09</b>	<b>43.19</b>	<b>10-30</b>	<b>--</b>	<b>18.28</b>	<b>24.91</b>
EX-1	08/14/02	--	10-35	--	16.58	--
EX-1	11/15/02	--	10-35	--	17.02	--
EX-1	10/25/04	--	10-35	--	16.91	--
EX-1	12/23/04	--	10-35	--	16.60	--
EX-1	02/25/05	--	10-35	--	13.72	--
EX-1	05/19/05	--	10-35	--	13.13	--
EX-1	09/15/05	--	10-35	--	15.20	--
EX-1	11/10/05	--	10-35	--	15.80	--
EX-1	03/20/06	--	10-35	--	12.35	--
EX-1	05/25/06	--	10-35	--	11.88	--
EX-1	08/23/06	--	10-35	--	13.62	--
EX-1	03/14/07	--	10-35	--	14.00	--
EX-1	06/11/07	--	10-35	--	15.34	--
EX-1	08/01/07	--	10-35	--	15.89	--
EX-1	02/27/08	--	10-35	--	Could not locate well	
EX-1	05/13/08	--	10-35	--	Could not locate well	
EX-1	08/27/08	--	10-35	--	16.70	--
EX-1	11/18/08	--	10-35	--	17.20	--
EX-1	03/11/09	--	10-35	--	15.38	--
<b>EX-1</b>	<b>09/22/09</b>	<b>--</b>	<b>10-35</b>	<b>--</b>	<b>17.71</b>	<b>--</b>
VEAS-2	02/25/05	--	5-15/28-30	--	13.68	--
VEAS-2	05/19/05	--	5-15/28-30	--	13.11	--
VEAS-2	11/10/05	--	5-15/28-30	--	DRY	--

Elevations are in feet above mean sea level.

Groundwater elevation calculated as follows:  
 surface elevation - depth to water

Notes: Free Product = liquid-phase hydrocarbons  
 fbg = feet below grade  
 -- = not encountered or no data available

Note: No known groundwater sampling was conducted between June 1, 1998 and June 14, 2001 or June 14, 2001 and November 7, 2001. Wellhead elevations resurveyed on January 30, 2002.

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-1	02/05/92	46,000	7,600	2,300	2,400	6,500	--	--	--	--	--
MW-1	09/11/92	48,000	9,000	1,200	1,800	4,600	--	--	--	--	--
MW-1	12/22/92	84,000	22,000	1,600	4,800	17,000	--	--	--	--	--
MW-1	03/03/93	54,000	16,000	1,600	1,900	4,300	--	--	--	--	--
MW-1	06/23/93	30,000	18,000	1,100	1,400	3,700	--	--	--	--	--
MW-1	09/30/93	33,000	10,000	440	940	1,700	--	--	--	--	--
MW-1	02/06/94	64,000	18,000	1,600	4,700	12,000	--	--	--	--	--
MW-1	05/02/94	7,200	2,100	29	490	520	--	--	--	--	--
MW-1	07/01/94	13,000	3,700	150	550	12,000	--	--	--	--	--
MW-1	09/20/94	10,000	3,100	75	440	870	--	--	--	--	--
MW-1	12/05/92	8,700	3,700	87	520	950	--	--	--	--	--
MW-1	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-1	03/15/95	290	56	2	12	47	--	--	--	--	--
MW-1	09/23/96	20,000	5,200	860	700	1,100	--	--	270	--	--
MW-1	12/04/96	17,000	3,100	64	610	1,200	--	--	280	--	--
MW-1	04/08/97	2,100	430	15	52	85	--	--	100	--	--
MW-1	06/30/97	10,000	2,100	<	<	320	--	--	<	--	--
MW-1	11/25/97	16,000	2,100	23	76	240	--	--	<	--	--
MW-1	06/01/98	19,000	6,100	460	1,100	2,300	--	--	420	--	--
MW-1	06/14/01	6,000	380	8.4	260	180	--	--	<25	--	--
MW-1	11/07/01	12,000	1,000	30	1,000	740	<5.0	<5.0	11	<5.0	<50
MW-1	01/30/02	8,800	690	16	480	270	<5.0	<5.0	14	<5.0	<50
MW-1	05/29/02	6,400	330	13	250	260	2.5	<2.0	12	<2.0	<20
MW-1	08/14/02	5,500	470	14	360	160	<10	<10	10	<10	<100
MW-1	11/15/02	10,000	440	16	310	150	<10	<10	15	<10	<100
MW-1	10/25/04	4,300	260	3.3	150	32	<0.90	<0.90	14	<0.90	5.8
MW-1	12/23/04	11,000	860	6.1	880	280	<0.90	<0.90	16	<0.90	11
MW-1	02/25/05	11,000	710	6.7	720	330	<1.5	<1.5	24	<1.5	11
MW-1	05/19/05	7,500	610	12	370	140	<1.5	<1.5	20	<1.5	11
MW-1	09/15/05	6,100	300	3.5	280	71	<0.90	<0.90	12	<0.90	7.8
MW-1	03/20/06	6,400	290	3.2	330	61	<0.90	<0.90	8.8	<0.90	6
MW-1	05/25/06	4,200	300	6.4	100	40	<0.90	<0.90	11	<0.90	6.7
MW-1	08/23/06	3,400	140	1.9	92	9.2	<0.50	<0.50	4.2	<0.50	<5.0
MW-1	03/14/07	5,600	75	0.83	160	20	<0.50	<0.50	2.5	<0.50	<5.0
MW-1	06/11/07	5,400	90	<1.0	220	12	<1.0	<1.0	2.4	<1.0	<5.0
MW-1	08/01/07	5,300	130	<0.74	450	36	<0.60	<0.63	<0.77	<0.83	<35
MW-1	02/27/08	1,090	11	<0.24	40	9.1	<0.18	<0.23	<0.19	<0.19	<10
MW-1	05/13/08	4,530	77	<0.25	457	56	<2.5	<2.5	6.9	<2.5	<25.0
MW-1	08/27/08	3,350	45	1.1	261	16	<0.5	<0.5	12	<0.5	9.1
MW-1	11/18/08	4,680	42	0.7	266	6.9	<0.5	<0.5	15	<0.5	6.9
MW-1	03/11/09	5,180	69	2.0	440	10	<0.5	<0.5	20	<0.5	<5.0
<b>MW-1</b>	<b>09/22/09</b>	<b>6,600</b>	<b>54</b>	<b>0.7</b>	<b>137</b>	<b>2.7</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>18</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-1A	06/23/93	--	--	--	--	--	--	--	--	--	--
MW-1A	09/30/93	--	--	--	--	--	--	--	--	--	--
MW-1A	02/06/94	8,900	1,700	42	1,000	400	--	--	--	--	--
MW-1A	05/02/94	--	--	--	--	--	--	--	--	--	--
MW-1A	07/01/94	12,000	1,100	<1	920	1,100	--	--	--	--	--
MW-1A	09/20/94	--	--	--	--	--	--	--	--	--	--
MW-1A	12/05/94	--	--	--	--	--	--	--	--	--	--
MW-1A	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-1A	03/15/95	--	--	--	--	--	--	--	--	--	--
MW-1A	09/23/96	--	--	--	--	--	--	--	--	--	--
MW-1A	12/04/96	52,000	420	140	1,000	3,500	--	--	130	--	--
MW-1A	04/08/97	--	--	--	--	--	--	--	--	--	--
MW-1A	06/30/97	17,000	180	<	140	1,100	--	--	<	--	--
MW-1A	11/25/97	19,000	110	37	290	910	--	--	<	--	--
MW-1A	06/01/98	18,000	200	17	230	820	--	--	91	--	--
MW-1A	06/14/01	27,000	29	<5.0	620	520	--	--	<50	--	--
MW-1A	11/07/01	21,000	51	<5.0	700	510	<5.0	<5.0	<5.0	<5.0	<50
MW-1A	01/30/02	24,000	22	<5.0	390	330	<5.0	<5.0	<5.0	<5.0	<50
MW-1A	05/29/02	12,000	32	<5.0	550	270	<5.0	<5.0	<5.0	<5.0	<50
MW-1A	08/14/02	14,000	22	<2.0	510	240	<2.0	<2.0	<2.0	<2.0	<20
MW-1A	11/15/02	17,000	59	2.4	630	250	<2.0	<2.0	<2.0	<2.0	<20
MW-1A	10/25/04	2,200	1.3	<0.50	58	3.7	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	12/23/04	3,100	2.2	<0.50	96	5.4	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	02/25/05	7,300	4.7	1.1	140	24	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	05/19/05	13,000	3.1	1.7	190	50	<1.5	<1.5	<1.5	<1.5	<7.0
MW-1A	09/15/05	4,000	0.84	<0.50	52	2.5	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	11/10/05	12,000	<2.0	0.76	130	3.6	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	03/20/06	3,300	1.1	<0.50	17	1	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	05/25/06	1,600	0.79	<0.50	22	0.94	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	08/23/06	4,700	1.6	1.1	84	1.8	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1A	03/14/07	610	<0.50	<0.50	12	<0.50	<0.50	<0.50	7.5	<0.50	<5.0
MW-1A	06/12/07	3,200	1.1	0.84	79	0.76	<0.50	<0.50	20	<0.50	<5.0
MW-1A	08/01/07	440	0.31	<0.15	6.2	<0.34	<0.12	<0.13	79	<0.17	<6.9
MW-1A	02/27/08	1,660	<0.18	<0.24	50	<0.45	<0.20	<0.23	21	<0.19	<10
MW-1A	11/18/08	Dry Well No Sample Collected					--	--	--	--	--
MW-1A	03/11/09	Dry Well No Sample Collected					--	--	--	--	--
MW-2	02/05/92	67,000	13,000	4,700	820	1,300	--	--	--	--	--
MW-2	09/11/92	57,000	9,000	1,400	1,200	8,400	--	--	--	--	--
MW-2	12/22/92	31,000	9,900	350	2,000	4,100	--	--	--	--	--
MW-2	03/03/93	17,000	5,100	1,300	720	1,900	--	--	--	--	--
MW-2	06/23/93	60,000	23,000	1,500	4,500	17,000	--	--	--	--	--
MW-2	09/30/93	38,000	12,000	780	1,500	6,500	--	--	--	--	--
MW-2	02/06/94	34,000	8,900	450	2,000	5,500	--	--	--	--	--
MW-2	05/02/94	18,000	3,800	260	1,100	3,500	--	--	--	--	--
MW-2	07/01/94	18,000	3,700	510	870	2,600	--	--	--	--	--
MW-2	09/20/94	19,000	4,500	300	1,200	4,000	--	--	--	--	--

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-2	12/06/94	22,000	4,700	340	1,400	4,500	--	--	--	--	--
MW-2	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-2	03/15/95	29,000	5,600	350	1,900	6,300	--	--	--	--	--
MW-2	09/23/96	29,000	3,700	150	1,000	4,300	--	--	860	--	--
MW-2	12/04/96	31,000	3,800	140	2,000	5,100	--	--	690	--	--
MW-2	04/08/97	20,000	2,500	80	1,300	3,400	--	--	880	--	--
MW-2	06/30/97	41,000	2,700	130	1,200	4,000	--	--	890	--	--
MW-2	11/25/97	51,000	2,900	140	1,800	7,000	--	--	1,200	--	--
MW-2	06/01/98	33,000	2,700	130	1,800	5,700	--	--	610	--	--
MW-2	06/14/01	18,000	860	14	1,100	2,200	--	--	<100	--	--
MW-2	11/07/01	20,000	880	20	1,100	2,600	<5.0	<5.0	21	<5.0	<50
MW-2	01/30/02	19,000	880	19	1,100	2,400	<5.0	<5.0	56	<5.0	<50
MW-2	05/29/02	8,100	390	16	560	1,400	<5.0	<5.0	32	<5.0	<50
MW-2	08/14/02	19,000	820	21	1,200	2,600	<20	<20	29	<20	<200
MW-2	11/15/02	34,000	910	31	1,000	1,400	<20	<20	39	<20	<200
MW-2	10/25/04	9,300	280	3.8	500	980	<2.0	<2.0	8.2	<2.0	<9.0
MW-2	12/23/04	10,000	310	3.9	470	840	<2.0	<2.0	9.5	<2.0	<9.0
MW-2	02/25/05	15,000	320	4.8	860	1,600	<2.0	<2.0	7.7	<2.0	<9.0
MW-2	05/19/05	15,000	300	3.6	770	1,200	<2.5	<2.5	9.2	<2.5	<15
MW-2	09/15/05	--	--	--	--	--	--	--	--	--	--
MW-2	11/10/05	14,000	230	2.6	530	1,000	<2.5	<2.5	6.2	<2.5	<15
MW-2	03/20/06	8,700	170	<1.5	360	530	<1.5	<1.5	3.8	<1.5	<7.0
MW-2	05/25/06	--	--	--	--	--	--	--	--	--	--
MW-3	02/05/92	16,000	2,700	410	<1	3,400	--	--	--	--	--
MW-3	09/11/92	43,000	7,600	1,600	1,400	4,100	--	--	--	--	--
MW-3	12/22/92	29,000	8,800	1,200	1,500	3,700	--	--	--	--	--
MW-3	03/03/93	17,000	5,000	1,500	680	1,700	--	--	--	--	--
MW-3	06/23/93	5,700	3,000	120	560	790	--	--	--	--	--
MW-3	09/30/93	21,000	7,000	2,100	970	2,600	--	--	--	--	--
MW-3	02/06/94	24,000	7,200	1,600	990	3,200	--	--	--	--	--
MW-3	05/02/94	10,000	2,200	440	470	1,200	--	--	--	--	--
MW-3	07/01/94	8,200	2,000	370	350	930	--	--	--	--	--
MW-3	09/20/94	7,200	2,000	360	380	1,000	--	--	--	--	--
MW-3	12/06/94	9,000	2,300	400	440	1,100	--	--	--	--	--
MW-3	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-3	03/15/95	4,300	980	47	370	780	--	--	--	--	--
MW-3	09/23/96	10,000	950	20	700	780	--	--	80	--	--
MW-3	12/04/96	13,000	1,100	25	1,000	1,100	--	--	67	--	--
MW-3	04/08/97	3,800	210	4.6	270	280	--	--	56	--	--
MW-3	06/30/97	3,500	280	<	32	180	--	--	<	--	--
MW-3	11/25/97	6,800	230	<	370	290	--	--	130	--	--
MW-3	06/01/98	--	--	--	--	--	--	--	--	--	--
MW-3	06/14/01	2,100	9	<0.5	78	43	--	--	<5.0	--	--
MW-3	11/07/01	7,700	75	<5.0	410	150	<5.0	<5.0	<5.0	<5.0	<50
MW-3	01/30/02	3,600	27	<5.0	120	34	<5.0	<5.0	<5.0	<5.0	<50
MW-3	05/29/02	2,000	18	<5.0	53	13	<5.0	<5.0	<5.0	<5.0	<50

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)	
MW-3	08/14/02	2,400	19	<0.5	50	6.5	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-3	11/15/02	4,300	7.5	<0.5	22	1.1	0.5	0.5	0.5	0.5	<5.0	
MW-3	10/25/04	460	0.6	<0.50	9.6	1.7	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-3	12/20/04	5,400	9	<0.50	280	74	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-3	02/25/05	Could not locate, VEAS-2 sampled instead					--	--	--	--	--	--
MW-3	05/19/05	Could not locate, VEAS-2 sampled instead					--	--	--	--	--	--
MW-3	09/15/05	Could not locate well					--	--	--	--	--	--
MW-3	11/10/05	Could not locate well					--	--	--	--	--	--
MW-3	03/20/06	800	0.76	<0.50	19	3.7	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-3	05/25/06	500	0.59	<0.50	3.8	0.96	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-3	08/23/06	550	<0.50	<0.50	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	
MW-3	03/14/07	660	0.85	<0.50	22	3.7	<0.50	<0.50	1.3	<0.50	<5.0	
MW-3	06/12/07	540	<0.50	<0.50	14	2.2	<0.50	<0.50	6.0	<0.50	<5.0	
MW-3	08/01/07	2,300	2.3	<0.15	87	13	<0.12	<0.13	<0.15	<0.17	<6.9	
MW-3	02/27/08	1,360	<0.18	<0.24	32	3	<0.20	<0.23	7.7	<0.19	<10	
MW-3	05/13/08	1,160	1.2	0.6	28	2.2	<0.5	<0.5	31	<0.5	<5.0	
MW-3	08/27/08	2,790	1.4	<0.5	56	4.0	<0.5	<0.5	40	<0.5	18	
MW-3	11/18/08	1,800	0.8	<0.5	50	1.4	<0.5	<0.5	31	<0.5	13	
MW-3	03/11/09	957	1.2	0.9	37	4.0	<0.5	<0.5	155	<0.5	<5.0	
<b>MW-3</b>	<b>09/22/09</b>	<b>533</b>	<b>1.6</b>	<b>&lt;0.5</b>	<b>8.8</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>238</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>	
MW-4	02/05/92	16,000	2,700	410	<1	3,400	--	--	--	--	--	
MW-4	09/11/92	43,000	7,600	1,600	1,400	4,100	--	--	--	--	--	
MW-4	12/22/92	29,000	8,800	1,200	1,500	3,700	--	--	--	--	--	
MW-4	03/03/93	17,000	5,000	1,500	680	1,700	--	--	--	--	--	
MW-4	06/23/93	5,700	3,000	120	560	790	--	--	--	--	--	
MW-4	09/30/93	21,000	7,000	2,100	970	2,600	--	--	--	--	--	
MW-4	02/06/94	24,000	7,200	1,600	990	3,200	--	--	--	--	--	
MW-4	05/02/94	10,000	2,200	440	470	1,200	--	--	--	--	--	
MW-4	07/01/94	8,200	2,000	370	350	930	--	--	--	--	--	
MW-4	09/20/94	7,200	2,000	360	380	1,000	--	--	--	--	--	
MW-4	12/06/94	9,000	2,300	400	440	1,100	--	--	--	--	--	
MW-4	03/10/95	--	--	--	--	--	--	--	--	--	--	
MW-4	03/15/95	15,000	4,400	600	770	2,660	--	--	--	--	--	
MW-4	09/23/96	32,000	7,400	540	1,500	2,800	--	--	2,100	--	--	
MW-4	12/04/96	23,000	7,800	140	1,200	1,200	--	--	1,900	--	--	
MW-4	04/08/97	16,000	3,900	680	850	2,300	--	--	980	--	--	
MW-4	06/30/97	63,000	7,000	430	1,400	4,400	--	--	1,700	--	--	
MW-4	11/25/97	30,000	4,300	61	810	1,500	--	--	880	--	--	
MW-4	06/01/98	33,000	5,700	710	1,700	2,900	--	--	720	--	--	
MW-4	06/14/01	9,500	690	45	560	600	<5.0	<5.0	<50	<5.0	<50	
MW-4	11/07/01	6,000	710	20	630	190	<5.0	<5.0	27	<5.0	<50	
MW-4	01/30/02	4,800	830	16	600	61	<20	<20	42	<20	<200	
MW-4	05/29/02	5,300	720	57	600	200	<2.0	<2.0	35	<2.0	<20	
MW-4	08/14/02	5,000	640	15	550	35	<2.0	<2.0	28	<2.0	<20	
MW-4	11/15/02	3,700	330	10	260	200	<0.50	<0.50	20	<0.50	<5.0	
MW-4	10/25/04	4,000	180	15	200	190	<0.90	<0.90	4.1	<0.90	<5.0	



**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-4	12/23/04	7,400	280	24	340	340	<0.90	<0.90	7.9	<0.90	<5.0
MW-4	02/25/05	4,200	160	15	280	420	<4.0	<4.0	6.2	<4.0	<20
MW-4	05/19/05	15,000	480	76	1,100	1,600	<0.90	<0.90	14	<0.90	5.4
MW-4	09/15/05	5,400	220	22	250	430	<0.50	<0.50	10	<0.50	<5.0
MW-4	11/10/06	8,000	320	37	530	670	<0.50	<0.50	9.3	<0.50	<5.0
MW-4	03/20/06	3,900	91	26	5.8	360.0	<0.50	<0.50	5.7	<0.50	<5.0
MW-4	05/25/06	8,300	300	77	570	730	<0.50	<0.50	5.4	<0.50	<5.0
MW-4	08/23/06	9,400	240	79	490	860	<0.50	<0.50	6.1	<0.50	<5.0
MW-4	03/14/07	4,600	100	20	350	570	<0.50	<0.50	2.3	<0.50	<5.0
MW-4	06/12/07	3,700	120	14	150	230	<0.50	<0.50	2.5	<0.50	<5.0
MW-4	08/01/07	3,700	120	15	280	310	<0.60	<0.63	<0.77	<0.83	<35
MW-4	02/27/08	Could not locate well			--	--	--	--	--	--	--
MW-4	05/13/08	2,800	102	18	329	343	<2.5	<2.5	8.0	<2.5	<25.0
MW-4	08/27/08	4,730	72	12	318	233	<0.5	<0.5	33	<0.5	18
MW-4	11/18/08	2,430	39	6.6	163	102	<0.5	<0.5	29	<0.5	8.1
MW-4	03/11/09	3,470	67	12	402	340	<0.5	<0.5	86	<0.5	<5.0
<b>MW-4</b>	<b>09/22/09</b>	<b>1,590</b>	<b>25</b>	<b>&lt;0.5</b>	<b>84</b>	<b>52</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>116</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>
MW-5	02/05/92	78,000	7,900	5,000	2,900	1,800	--	--	--	--	--
MW-5	09/11/92	49,000	4,700	400	1,400	4,100	--	--	--	--	--
MW-5	12/22/92	34,000	8,600	340	2,200	4,800	--	--	--	--	--
MW-5	03/03/93	22,000	7,500	640	1,300	3,400	--	--	--	--	--
MW-5	06/23/93	15,000	5,800	120	1,100	2,100	--	--	--	--	--
MW-5	09/30/93	25,000	7,600	410	1,000	4,400	--	--	--	--	--
MW-5	02/06/94	23,000	6,000	180	2,000	5,900	--	--	--	--	--
MW-5	05/02/94	8,000	1,300	29	440	770	--	--	--	--	--
MW-5	07/01/94	10,000	1,700	97	600	1,400	--	--	--	--	--
MW-5	09/20/94	8,400	1,600	54	650	1,400	--	--	--	--	--
MW-5	15/5/92	10,000	1,800	<50	620	1,400	--	--	--	--	--
MW-5	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-5	03/15/95	5,300	1,100	11	180	320	--	--	--	--	--
MW-5	09/23/96	9,800	1,800	11	470	510	--	--	100	--	--
MW-5	12/04/96	10,000	2,200	9	550	430	--	--	70	--	--
MW-5	04/08/97	11,000	1,300	15	450	720	--	--	180	--	--
MW-5	06/30/97	3,800	500	<	75	84	--	--	<	--	--
MW-5	11/25/97	8,200	1,300	14	310	220	--	--	<	--	--
MW-5	06/01/98	3,600	290	12	52	52	--	--	81	--	--
MW-5	06/14/01	5,100	44	0.71	110	23	--	--	<5.0	--	--
MW-5	11/07/01	7,600	220	<5.0	550	30	<5.0	<5.0	<5.0	<5.0	<5.0
MW-5	01/30/02	6,200	180	<20	310	130	<20	<20	<20	<20	<200
MW-5	05/29/02	3,900	66	0.8	110	7.4	2	<0.5	0.9	<0.5	<5.0
MW-5	08/14/02	4,300	80	0.9	150	12	<0.5	<0.5	1.1	<0.5	<5.0
MW-5	11/15/02	7,000	99	<5.0	250	500	<5.0	<5.0	<5.0	<5.0	<5.0
MW-5	10/25/04	4,800	27	0.5	50	3.7	<0.50	<0.50	0.79	<0.50	<5.0
MW-5	12/23/04	6,300	55	<0.90	140	5.6	<0.90	<0.90	<0.90	<0.90	<5.0
MW-5	02/25/05	4,700	44	0.59	110	4.8	<0.50	<0.50	0.85	<0.50	<5.0
MW-5	05/19/05	3,800	32	0.61	66	4.4	<0.50	<0.50	1	<0.50	<5.0

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-5	09/15/05	4,500	22	0.65	78	4	<0.50	<0.50	9.5	<0.50	<5.0
MW-5	11/10/08	4,000	19	0.52	77	4.3	<0.50	<0.50	0.8	<0.50	<5.0
MW-5	03/20/06	4,000	9.5	<0.50	4.9	4	<0.50	<0.50	1.5	<0.50	<5.0
MW-5	05/25/06	3,400	12	<0.50	46	3.8	<0.50	<0.50	1.6	<0.50	<5.0
MW-5	08/23/06	4,000	5.6	0.75	42	3.6	<0.50	<0.50	1.3	<0.50	<5.0
MW-5	03/14/07	3,500	3.1	1	31	1.6	<0.50	<0.50	1.8	<0.50	<5.0
MW-5	06/11/07	2,500	3.0	0.83	14	1.4	<0.50	<0.50	1.9	<0.50	<5.0
MW-5	08/01/07	2,700	3.6	1.1	21	1.1	<0.12	<0.12	<0.15	<0.12	<6.9
MW-5	02/27/08	628	1.5	<0.24	8.9	4.2	<0.20	<0.23	1.6	<0.19	<10
MW-5	05/13/08	752	1.3	1.1	1.9	1.8	<0.5	<0.5	7.9	<0.5	<5.0
MW-5	08/27/08	3,100	2.9	2.9	12	6.8	<0.5	<0.5	64	<0.5	30
MW-5	11/18/08	2,490	1.9	0.7	8.7	2.4	<0.5	<0.5	60	<0.5	27
MW-5	03/11/09	2,210	3.3	1.1	8.5	1.3	<0.5	<0.5	72	<0.5	<5.0
<b>MW-5</b>	<b>09/22/09</b>	<b>2,870</b>	<b>4.4</b>	<b>1.1</b>	<b>11</b>	<b>2.9</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>88</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>
MW-6	02/05/92	51,000	5,400	3,500	3,600	10,000	--	--	--	--	--
MW-6	09/11/92	24,000	2,500	830	1,400	2,300	--	--	--	--	--
MW-6	12/22/92	23,000	5,100	630	2,000	3,100	--	--	--	--	--
MW-6	03/03/93	18,000	4,400	820	1,400	2,400	--	--	--	--	--
MW-6	06/23/93	18,000	4,600	850	2,700	3,400	--	--	--	--	--
MW-6	09/30/93	--	--	--	--	--	--	--	--	--	--
MW-6	02/06/94	20,000	4,600	690	2,100	2,500	--	--	--	--	--
MW-6	05/02/94	5,300	930	54	610	240	--	--	--	--	--
MW-6	07/01/94	10,000	1,500	160	850	690	--	--	--	--	--
MW-6	09/20/94	11,000	2,000	140	1,200	760	--	--	--	--	--
MW-6	12/06/94	8,600	1,300	87	980	610	--	--	--	--	--
MW-6	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-6	03/15/95	9,800	1,600	110	1,000	1,000	--	--	--	--	--
MW-6	09/23/96	12,000	520	55	930	350	--	--	51	--	--
MW-6	12/04/96	11,000	390	25	680	170	--	--	130	--	--
MW-6	04/08/97	17,000	700	92	1,400	900	--	--	2,700	--	--
MW-6	06/30/97	11,000	270	37	590	450	--	--	<	--	--
MW-6	11/25/97	9,100	130	26	500	150	--	--	310	--	--
MW-6	06/01/98	14,000	190	50	680	400	--	--	160	--	--
MW-6	06/14/01	6,400	29	6.3	200	55	--	--	<20	--	--
MW-6	11/07/01	7,200	34	8.7	180	31	<5.0	<5.0	<5.0	<5.0	<50
MW-6	01/30/02	6,600	32	7.2	130	28	<5.0	<5.0	<5.0	<5.0	<50
MW-6	05/29/02	5,200	26	7	150	27	<0.5	<0.5	<5.0	<0.5	<50
MW-6	08/14/02	5,300	24	6.6	120	22	<2.0	<2.0	<2.0	<2.0	<20
MW-6	11/15/02	5,000	19	4.7	70	38	<0.5	<0.5	<0.5	<0.5	<5.0
MW-6	10/25/04	3,600	9.8	2.1	83	16	<0.50	<0.50	2.3	<0.50	<5.0
MW-6	12/23/04	2,100	8.2	1.3	10	2.4	<0.90	<0.90	1.5	<0.90	<5.0
MW-6	02/25/05	2,500	6.6	1.4	29	5.2	<0.50	<0.50	0.74	<0.50	<5.0
MW-6	05/19/05	3,800	7.5	2.2	54	12	<0.50	<0.50	3.1	<0.50	<5.0
MW-6	09/15/05	1,900	2.9	0.88	12	2.7	<0.50	<0.50	0.94	<0.50	<5.0
MW-6	11/10/05	1,700	2.1	0.6	5.4	1.7	<0.50	<0.50	0.81	<0.50	<5.0
MW-6	03/20/06	2,300	3.6	1.0	12	3.9	<0.50	<0.50	1.1	<0.50	<5.0

**TABLE 4**  
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**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-6	05/25/06	2,400	5	1.8	31	14	<0.50	<0.50	3	<0.50	<5.0
MW-6	08/23/06	2,300	2.3	0.84	7.8	4.2	<0.50	<0.50	1.7	<0.50	<5.0
MW-6	03/14/07	3,300	2.8	0.7	49	6.5	<0.50	<0.50	10	<0.50	<5.0
MW-6	06/12/07	2,000	1.4	0.54	3.2	2.1	<0.50	<0.50	32	<0.50	<5.0
MW-6	08/01/07	1,500	0.99	0.4	2.1	1.2	<0.12	<0.13	50	<0.17	<6.9
MW-6	02/27/08	1,520	<0.18	<0.24	2.4	1.3	<0.20	<0.23	140	<0.19	<10
MW-6	05/13/08	1,530	1.0	0.8	4.0	1.5	<0.5	<0.5	127	<0.5	<5.0
MW-6	08/27/08	Not Accessable		--	--	--	--	--	--	--	--
MW-6	11/18/08	Not Accessable		--	--	--	--	--	--	--	--
MW-6	03/11/09	Not Accessable		--	--	--	--	--	--	--	--
MW-7	06/23/93	29,000	4,200	71	4,400	5,600	--	--	--	--	--
MW-7	09/30/93	30,000	3,200	71	2,800	3,400	--	--	--	--	--
MW-7	02/06/94	--	--	--	--	--	--	--	--	--	--
MW-7	05/02/94	5,700	630	13	660	400	--	--	--	--	--
MW-7	07/01/94	3,100	180	99	160	520	--	--	--	--	--
MW-7	09/20/94	6,100	540	6	750	730	--	--	--	--	--
MW-7	12/05/94	3,700	280	<10	430	350	--	--	--	--	--
MW-7	03/10/95	3,900	310	<10	540	540	--	--	--	--	--
MW-7	03/14/95	1,900	290	4	26	296	--	--	--	--	--
MW-7	09/23/96	6,300	76	<	420	270	--	--	15	--	--
MW-7	12/04/96	7,800	67	<	600	350	--	--	22	--	--
MW-7	04/08/97	5,600	42	<	240	96	--	--	<	--	--
MW-7	06/30/97	5,500	<	79	<	44	--	--	280	--	--
MW-7	11/25/97	2,400	23	5.4	<	54	--	--	120	--	--
MW-7	06/01/98	14,000	190	50	680	400	--	--	160	--	--
MW-7	06/14/01	6,400	29	6	200	55	--	--	<20	--	--
MW-7	11/07/01	--	--	--	--	--	--	--	--	--	--
MW-7	01/30/02	6,200	1.5	<0.50	96	4.6	<0.5	<0.5	<0.5	<0.5	<50
MW-7	05/29/02	1,600	1	<0.50	3.4	1.9	<0.5	<0.5	<0.5	<0.5	<5.0
MW-7	08/14/02	4,100	1.3	<0.50	74	1.3	<0.5	<0.5	<0.5	<0.5	<5.0
MW-7	11/15/02	1,000	0.6	<0.50	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<5.0
MW-7	10/25/04	Could not locate well		--	--	--	--	--	--	--	--
MW-7	05/19/05	660	<0.50	<0.50	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-7	09/15/05	Could not locate we		--	--	--	--	--	--	--	--
MW-7	11/10/05	340	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-7	03/20/06	Could not locate well		--	--	--	--	--	--	--	--
MW-7	05/25/06	Could not locate well		--	--	--	--	--	--	--	--
MW-7	08/23/06	380	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-7	03/14/07	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-7	06/12/07	Could not locate well		--	--	--	--	--	--	--	--
MW-7	08/01/07	470	<0.12	<0.15	1.7	0.5	<0.12	<0.13	<0.15	<0.17	<6.9
MW-7	02/27/08	257	<0.18	<0.24	<0.21	<0.45	<0.20	<0.23	<0.19	<0.19	<10
MW-7	05/13/08	241	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-7	08/27/08	514	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-7	11/18/08	281	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-7	03/11/09	327	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
<b>MW-7</b>	<b>09/22/09</b>	<b>216</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-8	06/23/93	350	43	9	35	67	--	--	--	--	--
MW-8	09/30/93	2,700	190	340	170	720	--	--	--	--	--
MW-8	02/06/94	<100	<1	1	1	2	--	--	--	--	--
MW-8	05/02/94	<100	<1	3	<1	7	--	--	--	--	--
MW-8	07/01/94	300	18	48	19	37	--	--	--	--	--
MW-8	09/20/94	<100	<1	<1	<1	<1	--	--	--	--	--
MW-8	12/05/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-8	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-8	03/15/95	<50	<0.5	<0.5	<0.5	1	--	--	--	--	--
MW-8	09/23/96	<	<	<	<	<	<	<	<	<	<
Not sampled, well inaccessible since 4th quarter, 1996											
MW-9	06/23/93	45,000	14,000	1,200	2,800	12,000	--	--	--	--	--
MW-9	09/30/93	86,000	22,000	1,100	3,300	15,000	--	--	--	--	--
MW-9	02/06/94	43,000	10,000	460	2,100	7,500	--	--	--	--	--
MW-9	05/02/94	17,000	5,400	270	1,300	4,700	--	--	--	--	--
MW-9	07/01/94	10,000	2,100	120	450	1,300	--	--	--	--	--
MW-9	09/20/94	7,500	2,200	97	400	1,200	--	--	--	--	--
MW-9	12/05/94	10,000	2,700	130	530	1,600	--	--	--	--	--
MW-9	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-9	03/15/95	18,000	5,900	270	1,200	3,680	--	--	--	--	--
Not sampled, well inaccessible since 1st quarter, 1995											
MW-10	06/23/93	35,000	980	640	3,500	12,000	--	--	--	--	--
MW-10	09/30/93	4,000	230	12	100	680	--	--	--	--	--
MW-10	02/06/94	2,000	69	12	220	120	--	--	--	--	--
MW-10	05/02/94	710	16	6	85	62	--	--	--	--	--
MW-10	07/01/94	2,000	52	43	120	210	--	--	--	--	--
MW-10	09/20/94	2,800	34	16	270	560	--	--	--	--	--
MW-10	12/05/94	2,700	30	13	260	430	--	--	--	--	--
MW-10	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-10	03/15/95	1,400	18	6	200	239	--	--	--	--	--
MW-10	09/23/96	3,800	4	2.9	220	170	--	--	397	--	--
MW-10	12/04/96	4,600	1.6	7.7	260	150	--	--	20	--	--
Not sampled, well inaccessible since 4th quarter, 1996											
MW-11	02/10/95	7,000	140	22	600	1,000	--	--	--	--	--
MW-11	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-11	03/15/95	6,000	200	17	750	1,276	--	--	--	--	--
MW-11	09/23/96	27,000	55	81	300	3,500	--	--	40	--	--
MW-11	12/04/96	--	--	--	--	--	--	--	--	--	--
MW-11	04/08/97	24,000	280	130	3,000	3,700	--	--	<	--	--
Not sampled, well inaccessible since 2nd quarter, 1997											
MW-12	02/10/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-12	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-12	03/14/95	<50	<0.5	<0.5	<0.5	0.9	--	--	--	--	--

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-12	09/23/96	<	<	1.6	<	<	--	--	--	--	--
MW-12	12/04/96	<	3.2	<	1.9	3.4	--	--	--	--	--
MW-12	04/08/97	<	<	<	<	<	--	--	--	--	--
MW-12	06/30/97	--	--	--	--	--	--	--	--	--	--
MW-12	11/25/97	--	--	--	--	--	--	--	--	--	--
MW-12	06/01/98	--	--	--	--	--	--	--	--	--	--
MW-12	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	--	--	<5.0	--	--
MW-12	11/07/01	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	01/30/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	05/29/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	08/14/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	11/15/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	10/25/04	Not Accessable		--	--	--	--	--	--	--	--
MW-12	02/25/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	05/19/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	09/15/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	11/10/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	03/20/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	05/25/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	08/23/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	03/14/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	06/11/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	08/01/07	45	<0.12	<0.15	<0.17	<0.34	<0.12	<0.13	<0.15	<0.17	<6.9
MW-12	02/27/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.20	<0.23	<0.19	<0.19	<10
MW-12	05/13/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	08/27/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	11/18/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-12	03/11/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
<b>MW-12</b>	<b>09/22/09</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>
MW-13	02/10/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-13	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-13	03/14/95	<50	<0.5	<0.5	<0.5	1	--	--	--	--	--
MW-13	09/23/96	<	<	0.8	1	<	--	--	<	--	--
MW-13	12/04/96	--	--	--	--	--	--	--	--	--	--
MW-13	04/08/97	<	<	<	<	<	--	--	<	--	--
MW-13	06/30/97	--	--	--	--	--	--	--	--	--	--
MW-13	11/25/97	--	--	--	--	--	--	--	--	--	--
MW-13	06/01/98	--	--	--	--	--	--	--	--	--	--
MW-13	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	--	--	<5.0	--	--
MW-13	11/07/01	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-13	01/30/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-13	05/29/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-13	08/14/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-13	11/15/02	--	--	--	--	--	--	--	--	--	--
MW-13	10/25/04	Not Accessable		--	--	--	--	--	--	--	--

Not sampled, well inaccessible since 4th quarter, 2004

**TABLE 4**  
**SUMMARY OF HISTORICAL LABORATORY ANALYSIS OF GROUNDWATER SAMPLES FROM WELLS**  
**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-14	02/10/95	12,000	42	8	740	2,100	--	--	--	--	--
MW-14	03/10/95	--	--	--	--	--	--	--	--	--	--
MW-14	03/14/95	1,400	6	2	36	298	--	--	--	--	--
MW-14	09/23/96	6,400	2.8	<	690	96	--	--	9.6	--	--
MW-14	12/04/96	9,500	6.3	<	1,100	400	--	--	30	--	--
MW-14	04/08/97	2,900	<	2.7	220	21	--	--	<	--	--
MW-14	06/30/97	74	1.3	<	0.51	0.68	--	--	<	--	--
MW-14	11/25/97	<	<	<	<	<	--	--	<	--	--
MW-14	06/01/98	<50	<0.5	<0.5	<0.5	<0.5	--	--	<5	--	--
MW-14	06/14/01	470	<0.5	<0.5	2.8	1	--	--	<5	--	--
MW-14	11/07/01	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	01/30/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	05/29/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	08/14/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	11/15/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	10/25/04	Not Accessable		--	--	--	--	--	--	--	--
MW-14	02/25/05	210	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	05/19/05	230	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-14	09/15/05	Not Accessable		--	--	--	--	--	--	--	--
MW-14	11/10/05	Not Accessable		--	--	--	--	--	--	--	--
MW-14	03/20/06	180	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	05/25/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	08/23/06	99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	03/14/07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	06/11/07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	08/01/07	53	<0.12	<0.15	<0.17	<0.34	<0.12	<0.13	<0.15	<0.17	<6.9
MW-14	02/27/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.20	<0.23	<0.19	<0.19	<10
MW-14	05/13/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	08/27/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	11/18/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-14	03/11/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
<b>MW-14</b>	<b>09/22/09</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>
EX-1	08/14/02	250	31	<0.5	<0.5	4	<0.5	<0.5	1.4	<0.5	<5.0
EX-1	11/15/02	67	4.1	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<5.0
EX-1	10/25/04	96	2.1	<0.50	4.9	1.8	<0.5	<0.5	<0.5	<0.5	<5.0
EX-1	12/23/04	<50	<0.50	<0.50	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
EX-1	02/25/05	59	1.4	<0.50	2	0.87	<0.50	<0.50	<0.50	<0.50	<5.0
EX-1	05/19/05	200	3.4	<0.50	3.7	1.8	<0.50	<0.50	1.3	<0.50	<5.0
EX-1	09/15/05	290	7.5	<0.50	2.8	0.66	<0.50	<0.50	1.2	<0.50	<5.0
EX-1	11/10/05	270	5.1	<0.50	9.2	1.5	<0.50	<0.50	0.94	<0.50	<5.0
EX-1	03/20/06	820	7.5	<0.50	15	7.2	<0.50	<0.50	0.94	<0.50	<5.0
EX-1	05/25/06	100	<0.50	<0.50	1	0.9	<0.50	<0.50	0.79	<0.50	<5.0
EX-1	08/23/06	440	7.3	<0.50	0.72	0.61	<0.50	<0.50	1.2	<0.50	<5.0
EX-1	03/14/07	360	1.6	<0.50	8.8	1.8	<0.50	<0.50	1.7	<0.50	<5.0
EX-1	06/11/07	240	1.1	<0.50	6.0	1.4	<0.50	<0.50	4.3	<0.50	<5.0

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**October 1992 through September 2009**  
**EZ Serve 100877, 525 West A Street, Hayward, CA**

Well Number	Date Sampled	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
EX-1	08/01/07	410	2.5	<0.15	4.2	0.92	<0.12	<0.13	3.6	<0.17	<6.9
EX-1	02/27/08	Not Accessable		--	--	--	--	--	--	--	--
EX-1	08/27/08	348	0.9	<0.5	0.8	<0.5	<0.5	<0.5	94	<0.5	22
EX-1	11/18/08	459	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	16	<0.5	7.9
EX-1	03/11/09	371	<0.5	<0.5	3.6	<0.5	<0.5	<0.5	151	<0.5	<5.0
<b>EX-1</b>	<b>09/22/09</b>	<b>295</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>79</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>
VEAS-2	02/25/05	90	1.1	<0.50	0.7	1.3	<0.50	<0.50	1.4	<0.50	<5.0
VEAS-2	05/19/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
VEAS-2	11/10/05	--	--	--	--	--	--	--	--	--	--

Notes:

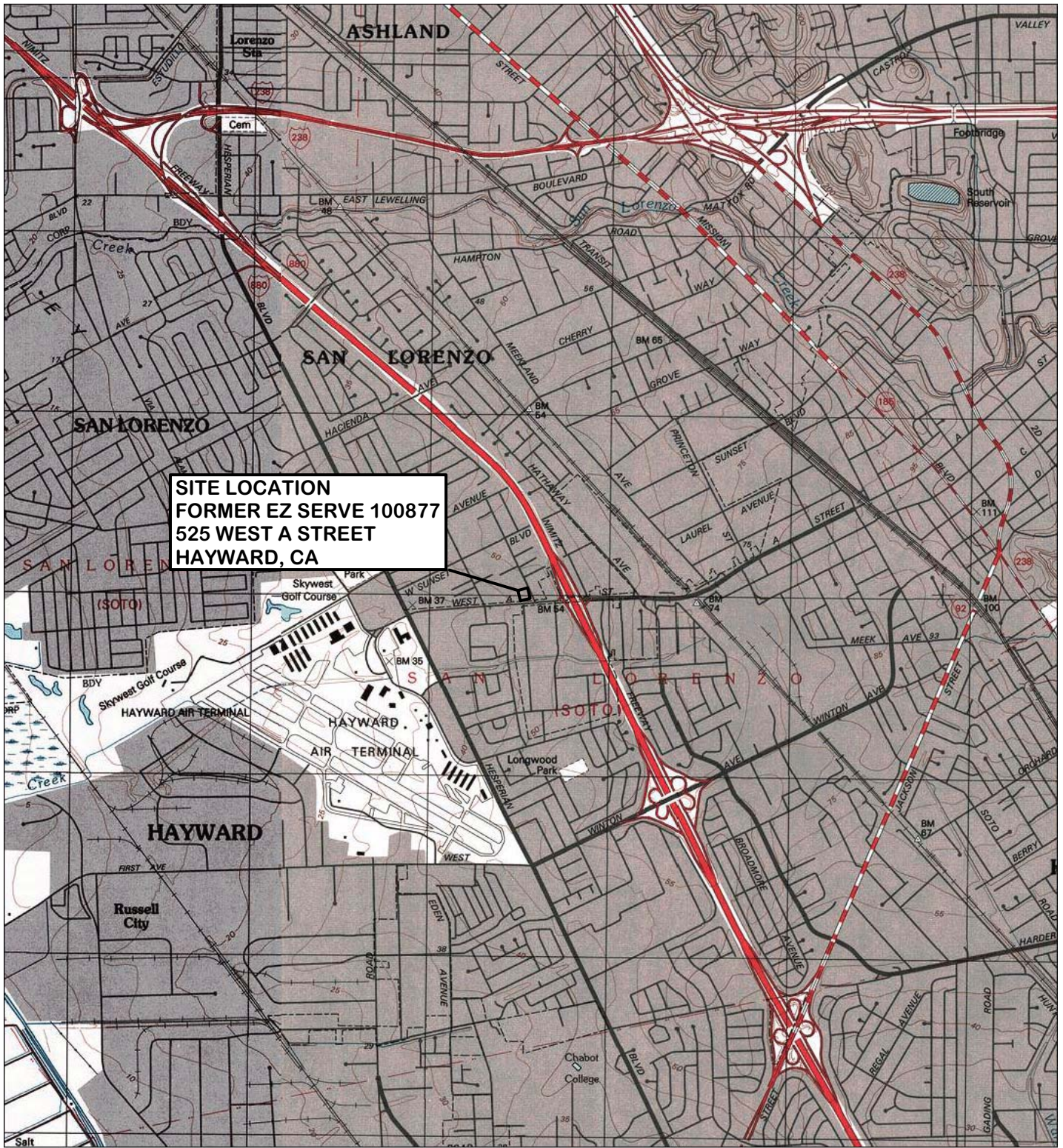
TPH-G = total petroleum hydrocarbons with gasoline distinction  
MTBE = methyl tertiary butyl ether  
DIPE = di-isopropyl ether  
ETBE = ethyl-tert-butyl ether  
TAME = tert-amyl methyl ether  
TBA = tert butanol  
ug/l = micrograms per liter  
-- = not analyzed, measured, or collected  
< = Sample reported as "not detected", in previous tables, reporting limit not known (Delta Environmental)  
Note: No known groundwater sampling was conducted between June 1, 1998 and June 14, 2001, June 14, 2001 and November 7, 2001  
Wellhead elevations resurveyed on January 30, 2002.

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## FIGURES

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0 1000 FEET 0 500 1000 METERS  
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**GEOENVIRO SERVICES, INC.**

**SITE LOCATION MAP**

FORMER EZ SERVE STATION NO. 100877  
 525 WEST A STREET  
 HAYWARD, CA

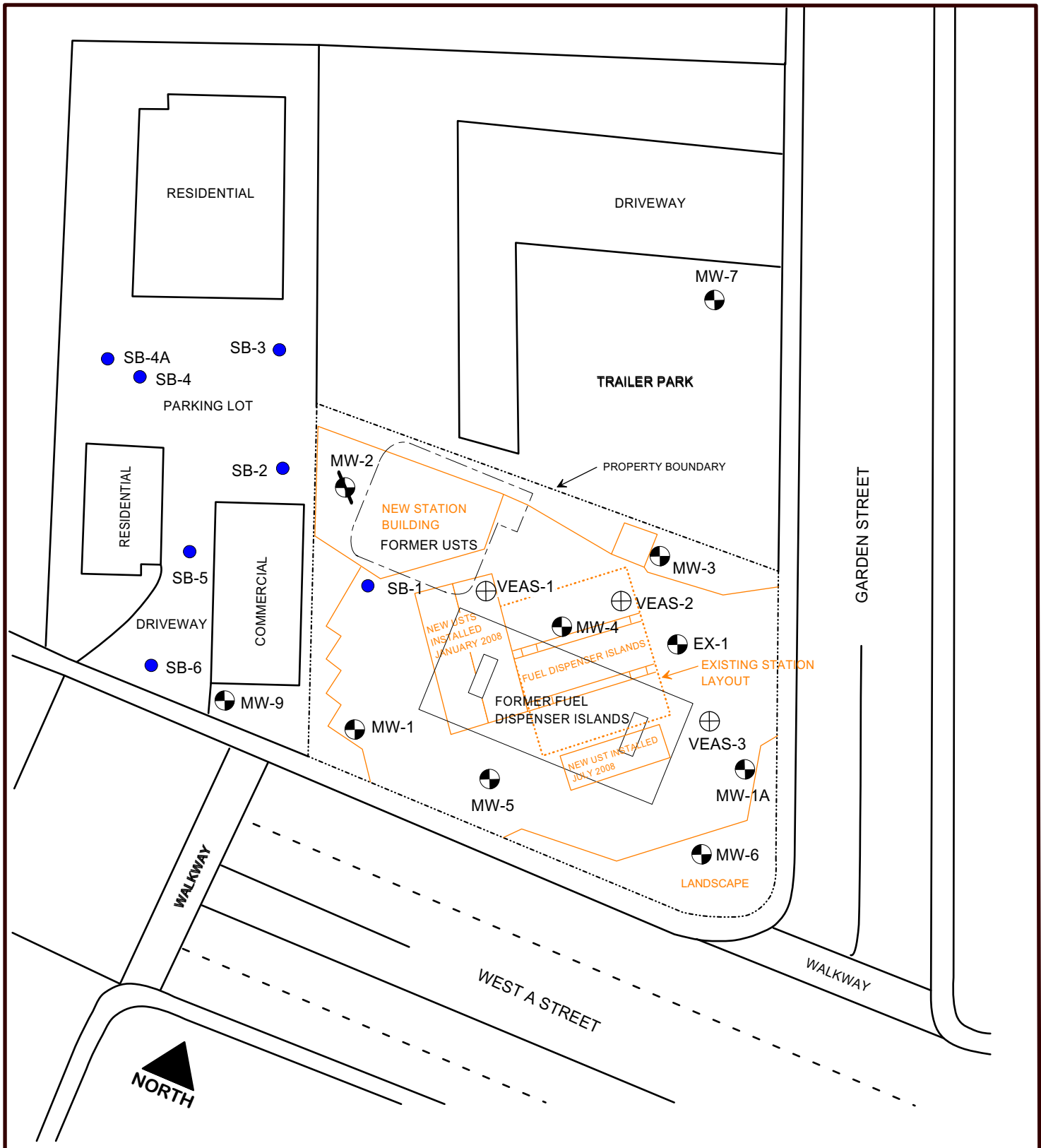
**OCTOBER 2009**

**FIGURE 1**

DRAWN BY: JPS  
 REVISED: October 7, 2009

CLIENT: RPMS  
 JOB No.: 07-131





SCALE 1" = 40'



DRAWN BY: JPS  
 REVISION DATE: OCTOBER 16, 2009  
 CLIENT: RPMS OF CA  
 PROJECT No: 07-131

### LEGEND

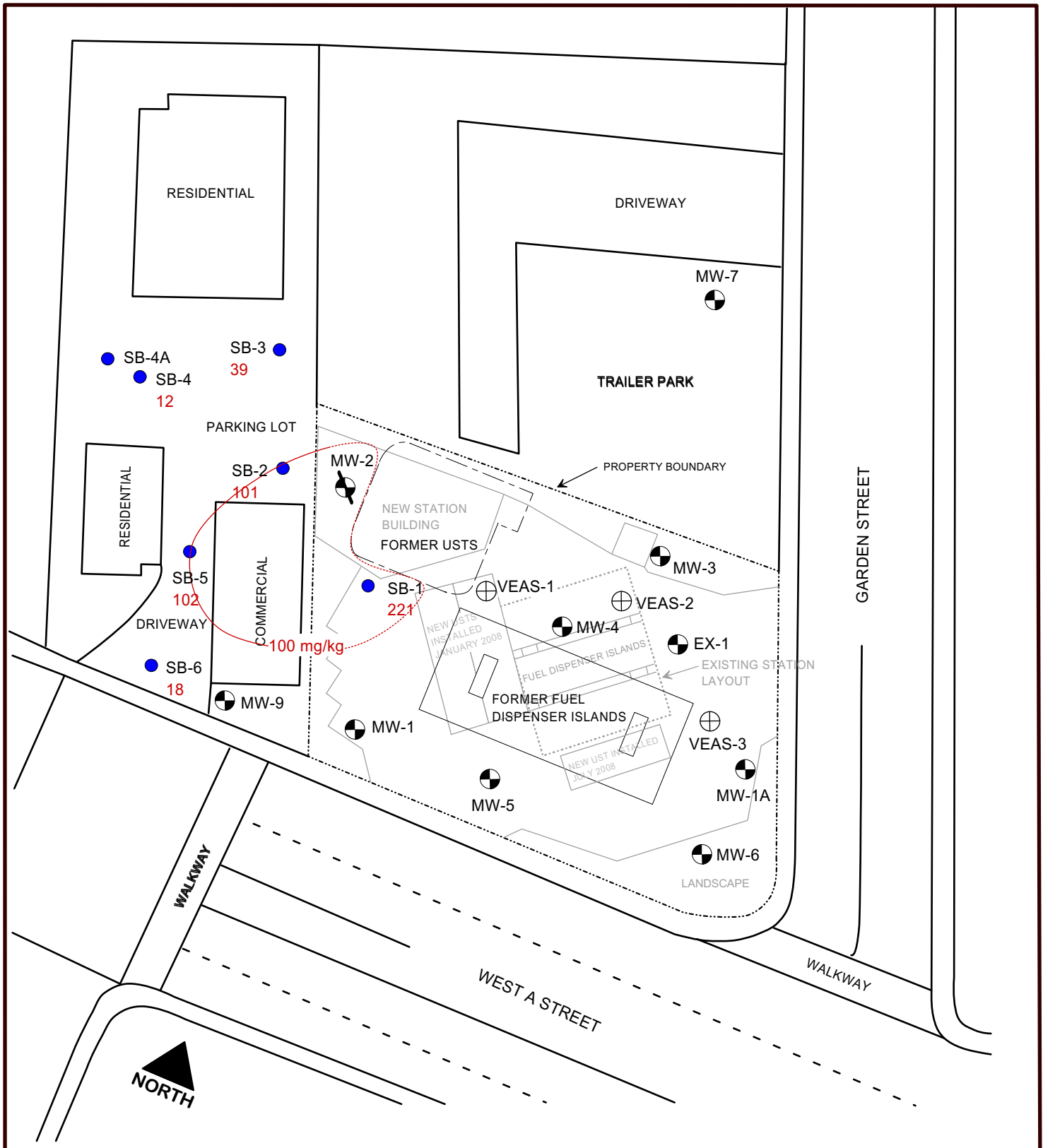
- MW-1 GROUNDWATER MONITORING WELL
- EX-1 GROUNDWATER EXTRACTION WELL
- VEAS-2 REMEDIATION WELL
- MW-2 DESTROYED GROUNDWATER MONITORING WELL
- SB-1 GEOPROBE BORING LOCATION

**GEOENVIRO SERVICES, INC.**

**SITE MAP SHOWING  
BORING LOCATIONS**

**FORMER EZ SERVE STATION NO. 100877  
525 WEST A STREET  
HAYWARD, CA**

**OCTOBER 2009      FIGURE 2**



### LEGEND

- MW-1 GROUNDWATER MONITORING WELL
- EX-1 GROUNDWATER EXTRACTION WELL
- VEAS-2 REMEDIATION WELL
- MW-2 DESTROYED GROUNDWATER MONITORING WELL
- SB-1 GEOPROBE BORING LOCATION WITH TPHg CONCENTRATION IN mg/kg.

**GEOENVIRO SERVICES, INC.**

SITE MAP SHOWING  
TPHg CONCENTRATIONS IN SOIL AT  
20 TO 25-FOOT DEPTH IN BORINGS

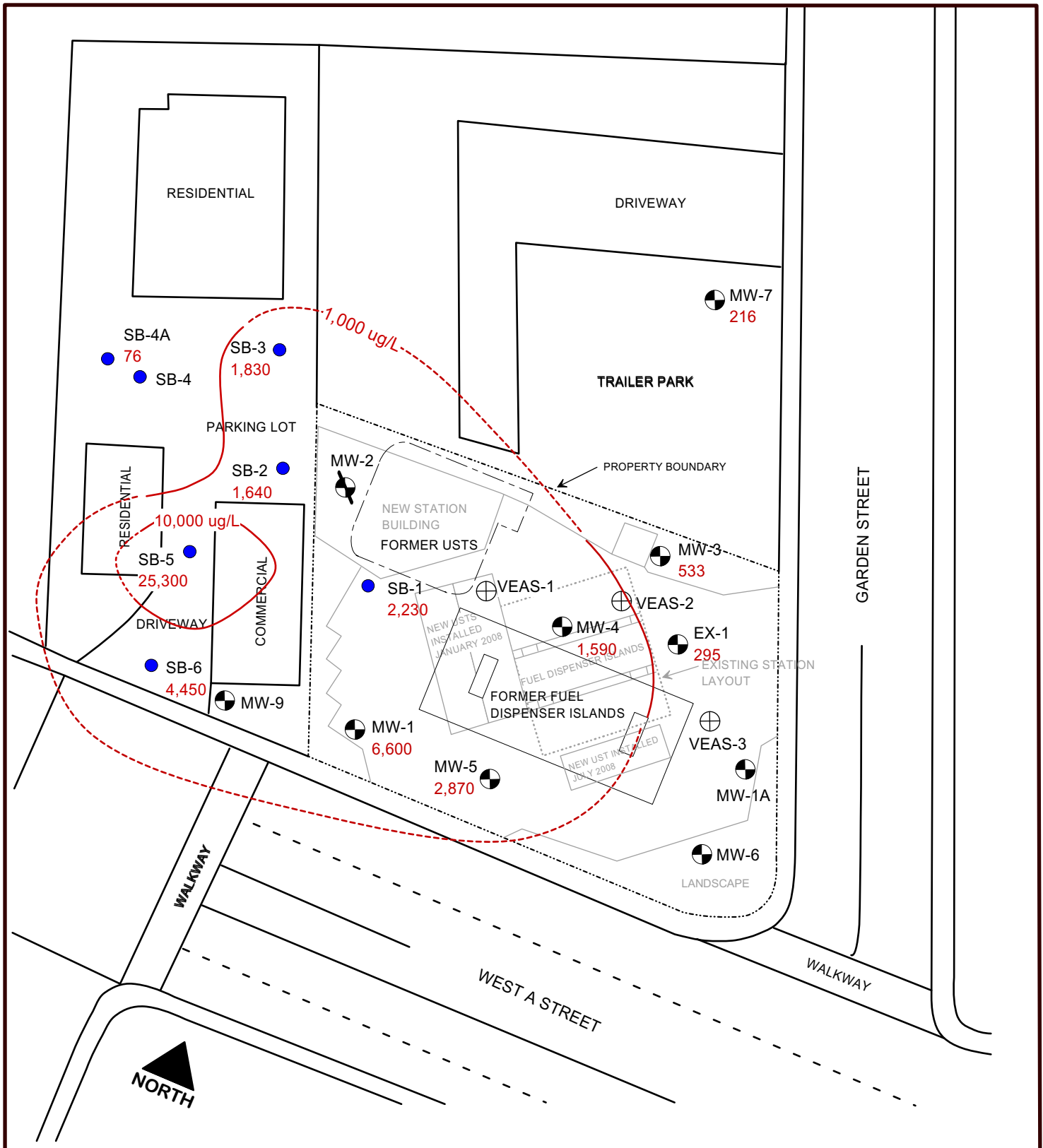
FORMER EZ SERVE STATION NO. 100877  
525 WEST A STREET  
HAYWARD, CA

**OCTOBER 2009**      **FIGURE 3**






SCALE 1" = 40'



DRAWN BY: JPS  
REVISION DATE: OCTOBER 16, 2009  
CLIENT: RPMS OF CA  
PROJECT No: 07-131



### LEGEND

- MW-1  GROUNDWATER MONITORING WELL WITH TPHg CONCENTRATION AS MEASURED ON 9/22/09.  
6,600
- EX-1  GROUNDWATER EXTRACTION WELL WITH TPHg CONCENTRATION AS MEASURED ON 9/22/09  
295
- VEAS-2  REMEDIATION WELL
- MW-2  DESTROYED GROUNDWATER MONITORING WELL
- SB-1  GEOPROBE BORING LOCATION WITH TPHg CONCENTRATION IN ug/L AS MEASURED ON 9/24/09.  
2,230

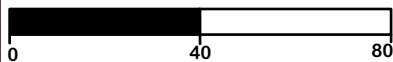
**GEOENVIRO SERVICES, INC.**

**SITE MAP SHOWING TPHg CONCENTRATIONS IN GROUNDWATER AT BORING AND WELL LOCATIONS**

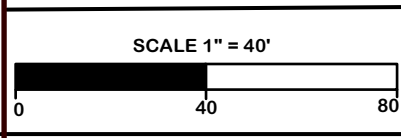
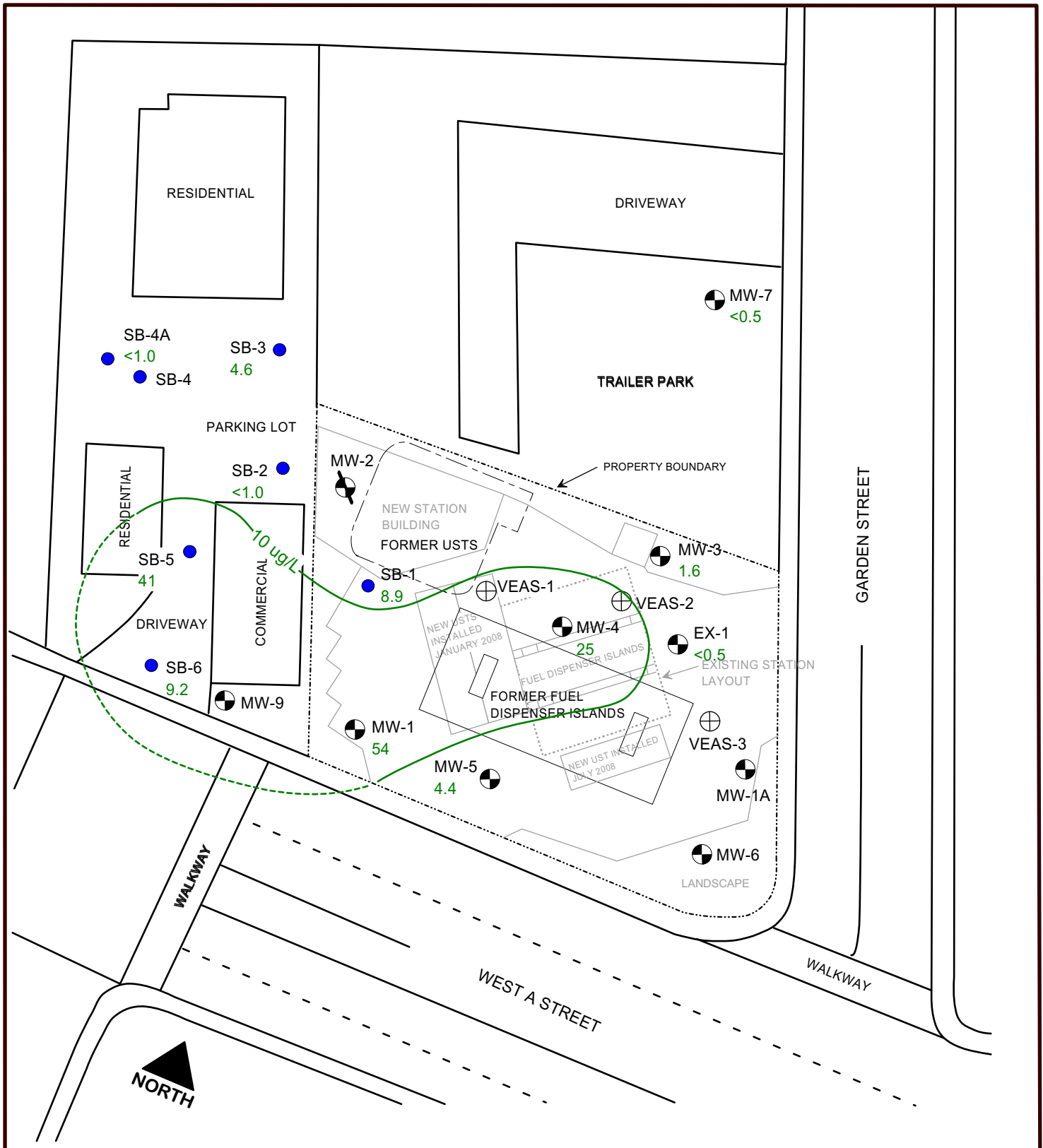
**FORMER EZ SERVE STATION NO. 100877  
525 WEST A STREET  
HAYWARD, CA**

**OCTOBER 2009      FIGURE 4**

SCALE 1" = 40'



DRAWN BY: JPS  
REVISION DATE: OCTOBER 28, 2009  
CLIENT: RPMS OF CA  
PROJECT No: 07-131



DRAWN BY: JPS  
 REVISION DATE: OCTOBER 28, 2009  
 CLIENT: RPMS OF CA  
 PROJECT No: 07-131

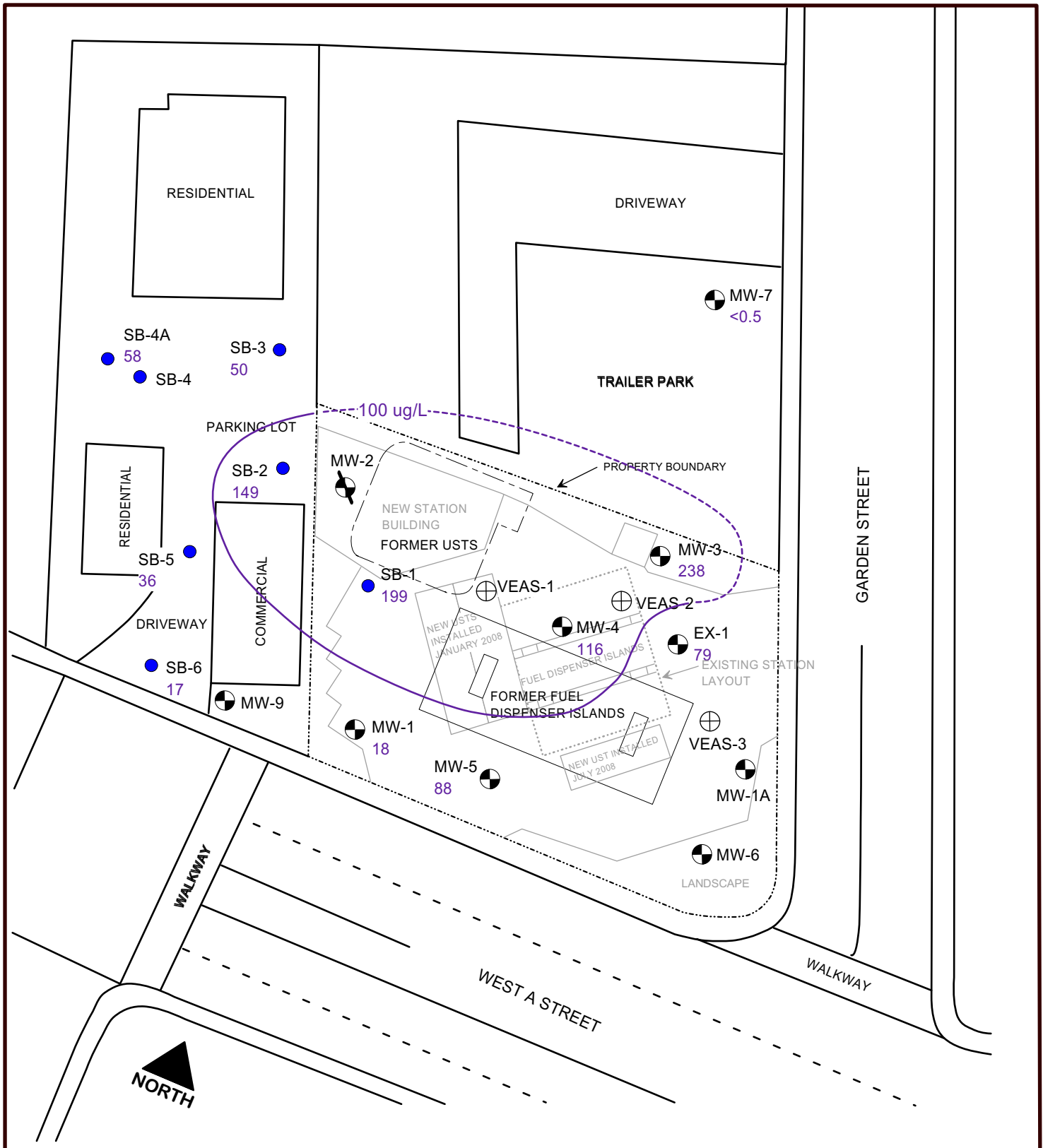
LEGEND	
MW-1 54	GROUNDWATER MONITORING WELL WITH BENZENE CONCENTRATION AS MEASURED ON 9/22/09.
EX-1 <0.5	GROUNDWATER EXTRACTION WELL WITH BENZENE CONCENTRATION AS MEASURED ON 9/22/09
VEAS-2	REMED. WELL
MW-2	DESTROYED GROUNDWATER MONITORING WELL
SB-1 8.9	GEOPROBE BORING LOCATION WITH BENZENE CONCENTRATION IN ug/L AS MEASURED ON 9/24/09.

**GEOENVIRO SERVICES, INC.**

**SITE MAP SHOWING BENZENE CONCENTRATIONS IN GROUNDWATER AT BORING AND WELL LOCATIONS**

FORMER EZ SERVE STATION NO. 100877  
 525 WEST A STREET  
 HAYWARD, CA

**OCTOBER 2009      FIGURE 5**



### LEGEND

- MW-1 GROUNDWATER MONITORING WELL WITH MTBE CONCENTRATION AS MEASURED ON 9/22/09. 54
- EX-1 GROUNDWATER EXTRACTION WELL WITH MTBE CONCENTRATION AS MEASURED ON 9/22/09 <0.5
- VEAS-2 REMEDIATION WELL
- MW-2 DESTROYED GROUNDWATER MONITORING WELL
- SB-1 GEOPROBE BORING LOCATION WITH MTBE CONCENTRATION IN ug/L AS MEASURED ON 9/24/09. 8.9

**GEOENVIRO SERVICES, INC.**

**SITE MAP SHOWING MTBE CONCENTRATIONS IN GROUNDWATER AT BORING AND WELL LOCATIONS**

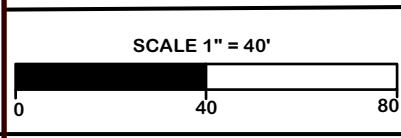
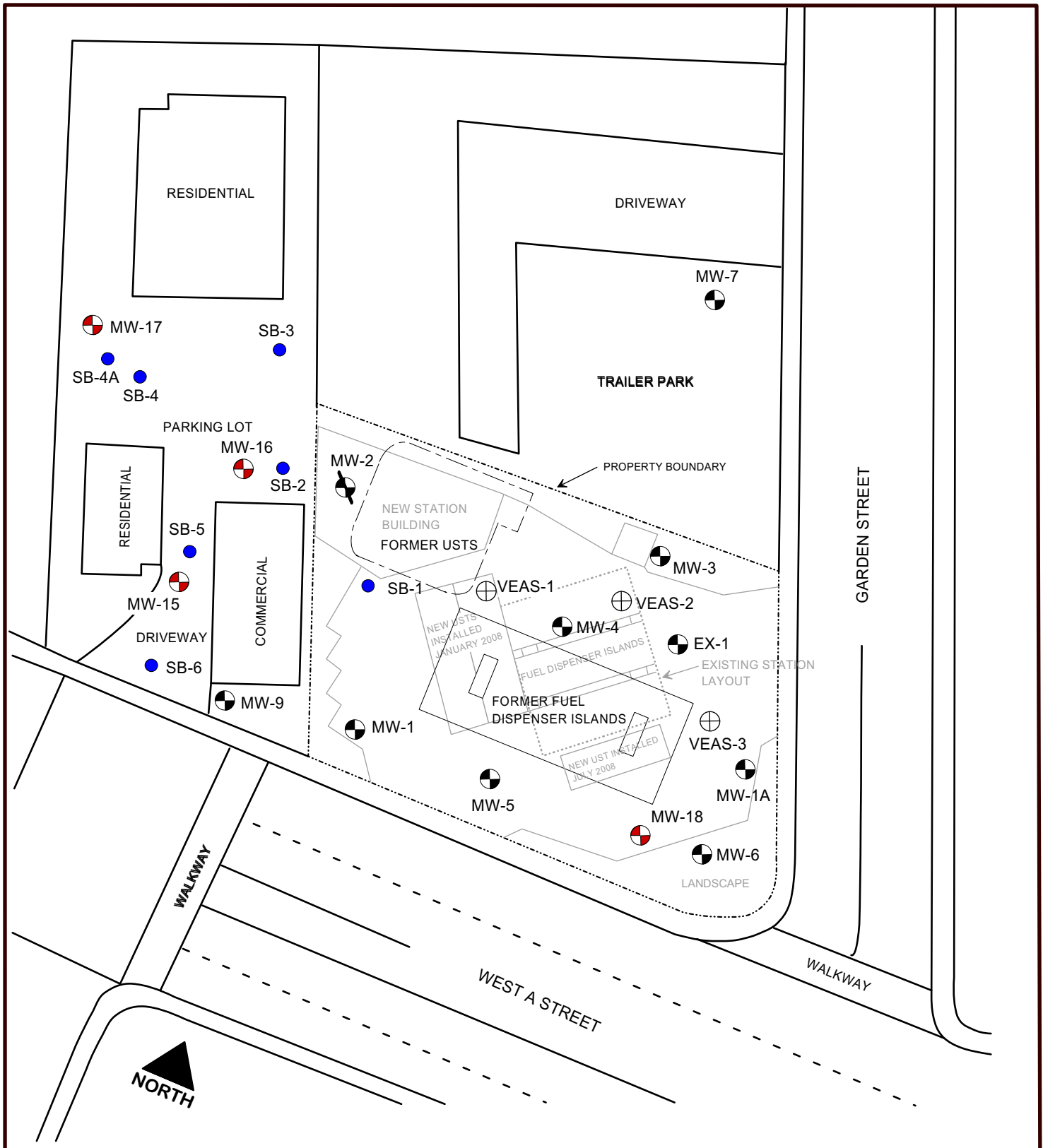
**FORMER EZ SERVE STATION NO. 100877  
525 WEST A STREET  
HAYWARD, CA**

**OCTOBER 2009      FIGURE 6**

SCALE 1" = 40'



DRAWN BY: JPS  
REVISION DATE: OCTOBER 28, 2009  
CLIENT: RPMS OF CA  
PROJECT No: 07-131



DRAWN BY: JPS  
 REVISION DATE: OCTOBER 29, 2009  
 CLIENT: RPMS OF CA  
 PROJECT No: 07-131

LEGEND	
MW-1	● GROUNDWATER MONITORING WELL
EX-1	● GROUNDWATER EXTRACTION WELL
MW-1	● PROPOSED GROUNDWATER MONITORING WELL
VEAS-2	⊕ REMEDIATION WELL
MW-2	⊗ DESTROYED GROUNDWATER MONITORING WELL
SB-1	● GEOPROBE BORING LOCATION

**GEOENVIRO SERVICES, INC.**

**SITE MAP SHOWING  
 PROPOSED MONITORING WELL LOCATIONS**

FORMER EZ SERVE STATION NO. 100877  
 525 WEST A STREET  
 HAYWARD, CA

**OCTOBER 2009      FIGURE 7**

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**APPENDIX A**  
**AGENCY CORRESPONDENCE – DIRECTIVE LETTER**  
**DATED MAY 8, 2009**

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ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

May 8, 2009

Jack Ceccarelli  
Restructure Petroleum Marketing Service  
205 S. Hoover Blvd., Suite 101  
Tampa, FL 33609-905

Brian Cobb  
EZ Serve Petroleum Marketing  
100700 North I45, Suite 500  
Houston, TX 77037-1187

Vinod & Janak Bansal  
1777 Beach Park Blvd.  
Foster City, CA 94404-1403

Margaret S. Thompson  
Harker Marketing of California  
1675 Manzanita Avenue  
Chico, CA 95926-1633

Azizolah Kandahari  
Himalaya Trading Company, Inc.  
5196 Grayhawk Lane  
Dublin, CA 94568-7764

Subject: Fuel Leak Case No. RO0000023 and GeoTracker Global ID T0600100483, EZ Serve #100877, 525 West A Street, Hayward, CA 94541

Dear Responsible Parties:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Revised Work Plan for Additional Site Assessment," dated April 21, 2009, which was prepared by GeoEnviro Services, Inc. (GESI) for the subject site. In addition to soil and groundwater plume assessment down-gradient, an additional boring in the vicinity of the former USTs is proposed to characterize the former source area.

ACEH generally concurs with the proposed scope of work and the proposed scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

#### **TECHNICAL COMMENTS**

1. **Source Area Characterization** – Currently, one boring is proposed in the vicinity of the former USTs. Should elevated concentrations of hydrocarbons be detected in soil and/or groundwater samples, additional source area delineation may be required.

2. **Sample Analytical Suite** – GESI proposes to analyze soil and groundwater samples for TPH-g using EPA Method 8015 modified and BTEX, MTBE, DIPE, TAME, ETBE, and TBA using EPA Method 8260B. In addition to the proposed analytical suite, please include analysis for lead scavengers (i.e. ethylene dichloride (EDC) and ethylene dibromide (EDB)).
  
3. **Groundwater Contaminant Plume Monitoring** – Quarterly groundwater sampling has been conducted for the most part since 1992. At this time, a monitoring frequency reduction appears warranted. Therefore, please submit a groundwater monitoring plan for review. This may include a combination of quarterly, semi-annually, or annually sampled groundwater monitoring wells. Please include the proposal in the soil and groundwater investigation report due by the date specified below.

#### **NOTIFICATION OF FIELDWORK ACTIVITIES**

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

#### **TECHNICAL REPORT REQUEST**

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **August 6, 2009** – Soil and Water Investigation Report
  
- **Due within 30 Days of Sampling** – Quarterly Monitoring Report (3<sup>rd</sup> Quarter 2009)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

#### **ELECTRONIC SUBMITTAL OF REPORTS**

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have

been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml)).

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

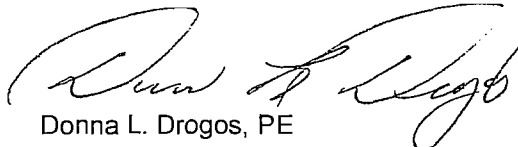
Responsible Parties  
RO0000023  
May 8, 2009, Page 4

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at [paresh.khatri@acgov.org](mailto:paresh.khatri@acgov.org).

Sincerely,



Paresh C. Khatri  
Hazardous Materials Specialist



Donna L. Drogos, PE  
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Joseph Schaaf, Geoenviron Services, Inc., 5529 Kailas Street, Ventura, CA 93003  
Hugh Murphy, City of Hayward Fire Dept., 777 B Street, Hayward, CA 94541  
Gary Aguilar, Hydro Analysis, Inc., 11100 San Pablo Ave., Suite 200-A, El Cerrito, CA 94530  
Donna Drogos, ACEH  
Scott Seery, ACEH  
Robert Weston, ACEH  
Paresh Khatri, ACEH  
GeoTracker  
File

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**APPENDIX B**  
**BORING PERMIT – ALAMEDA COUNTY**

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# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 09/15/2009 By jamesy

Permit Numbers: W2009-0844  
Permits Valid from 09/28/2009 to 09/28/2009

Application Id: 1252944670196  
Site Location: 525 West A Street

City of Project Site: Hayward

Project Start Date: Hayward, CA  
09/28/2009

Completion Date: 09/28/2009

Assigned Inspector: Contact John Shouldice at (510) 670-5424 or johns@acpwa.org

Applicant: GeoEnviro Services, Inc. - Joseph Schaaf  
P.O. Box 7330, Ventura, CA 93006

Phone: 805-642-1668

Property Owner: Aziz Ghandehari  
5196 Grayhawk Lane, Dublin, CA 94568

Phone: 510-332-3383

Client: Jack Cecceralli  
9519 E. Martin Luther King Blvd. Suite 100, Tampa, FL 33610

Phone: 813-636-8111 x100

Contact: Joe Schaaf

Phone: 805-258-9284  
Cell: 805-258-9284

Receipt Number: WR2009-0341 Total Due: \$265.00  
Payer Name : Joseph Schaaf Total Amount Paid: \$265.00  
Paid By: VISA PAID IN FULL

## Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 6 Boreholes  
Driller: Vironex Environmental Field Services - Lic #: 705927 - Method: DP

Work Total: \$265.00

### Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0844	09/15/2009	12/27/2009	6	2.00 in.	30.00 ft

### Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact John Shouldice for an inspection time at 510-670-5424 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled,

## **Alameda County Public Works Agency - Water Resources Well Permit**

properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

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**APPENDIX C  
BORING LOGS**

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## BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB1

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
				Asphalt Base	Hand auger to 5 feet.
	--	0	5	Silty CLAY (CL), dark brown, dry, no hydrocarbon odor or stain.	
	--	0	10	moderate yellowish brown, moist, non plastic, no hydrocarbon odor or stain.	
	--	0	15	CLAY (CL), greenish brown, moist, moderate plasticity, no hydrocarbon odor or stain.	
	--	5	20	Silty CLAY (CL), moderate brown, moist, moderate plasticity, no hydrocarbon odor or stain.	
	--	260	25	CLAY (CL), greenish gray, moist, moderate plasticity, hydrocarbon odor, hydrocarbon stain.	
	--	5	30	Silty CLAY (CL), greenish gray, wet	Total Boring Depth 30 Feet. Initial Groundwater at 25 Feet.

**Completion Notes:**

Soil Boring (SB1) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 25 feet. A temporary 3/4-inch PVC casing was insert in to the open borehole with 5 foot screen and 1/4-inch polyethylene tubing to collect groundwater sample prior to backfill.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

Page 1



# BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB2

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
					Asphalt Base Hand auger to 5 feet.
			5		Silty CLAY (CL), moderate brown, moist, moderate plasticity, no hydrocarbon odor or stain.
	--	0	10		
	--	0	15		CLAY (CL), moderate brown, slightly moist, moderate plasticity, no hydrocarbon odor or stain.
	--	30	20		CLAY (CL), greenish brown, slightly moist, moderate plasticity, slight hydrocarbon odor and stain.
	--	40	25		CLAY (CL), greenish brown, wet, moderate plasticity, slight hydrocarbon odor, no hydrocarbon stain.
	--	0	30		CLAY (CL), moderate brown, wet, moderate plasticity, no hydrocarbon odor or stain. Total Boring Depth 30 Feet. Initial Groundwater at 25'

**Completion Notes:**

Soil Boring (SB2) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 25 feet. A temporary 3/4-inch PVC casing was insert in to the open borehole with 5 foot screen and 1/4-inch polyethylene tubing to collect groundwater sample prior to backfill.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

Page 1



# BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB3

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
					Asphalt Base Hand auger to 5 feet.
			5		CLAY (CL), moderate brown, dry, low plasticity, no hydrocarbon odor or stain.
	--	0	10		
	--	0	15		CLAY (CL), greenish brown, moist, moderate plasticity, no hydrocarbon odor or stain.
	--	10	20		CLAY (CL), greenish brown, moist, moderate plasticity, no hydrocarbon odor or stain.
	--	50	25		CLAY (CL), greenish brown, moist, moderate plasticity, slight hydrocarbon odor, no hydrocarbon stain.
	--	0	30		CLAY (CL), moderate brown, wet, moderate plasticity, no hydrocarbon odor or stain. Total Boring Depth 30 Feet. Initial Groundwater at 25'

**Completion Notes:**

Soil Boring (SB3) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 25 feet. A temporary 3/4-inch PVC casing was insert in to the open borehole with 5 foot screen and 1/4-inch polyethylene tubing to collect groundwater sample prior to backfill.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

Page 1



# BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB4

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
					Asphalt Base
					Silty SAND (SM), dark brown, fill material, void from 2 to 4 feet (septic?), saturated soil at 4 feet.
			5		CLAY (CL), moderate brown, dry, moderate plasticity, no hydrocarbon odor or stain.
	--	0	10		CLAY (CL), greenish brown, moist, moderate plasticity, no hydrocarbon odor or stain.
	--	0	15		CLAY (CL), greenish brown, moist, moderate plasticity, no hydrocarbon odor or stain.
	--	20	20		CLAY (CL), greenish brown, wet, moderate plasticity, hydrocarbon odor and stain.
	--	350	25		CLAY (CL), moderate brown, wet, moderate plasticity, no hydrocarbon odor or stain.
			30		Total Boring Depth 30 Feet. Initial Groundwater at 4' No groundwater sample collected, moved over to SB4A location to collect groundwater sample.

**Completion Notes:**

Soil Boring (SB4) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 4 feet. Could not collect water sample from water table.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

Page 1



## BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB4A

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
			5		Boring SB4A was completed adjacent to SB4 for groundwater sample collection purposes, no soil samples collected.
			10		
			15		
			20		
			25		
			30		
					Total Boring Depth 30 Feet. Initial Groundwater at 25'

**Completion Notes:**

Soil Boring (SB4A) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 25 feet. A temporary 3/4-inch PVC casing was insert in to the open borehole with 5 foot screen and 1/4-inch polyethylene tubing to collect groundwater sample prior to backfill.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

Page 1



# BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB5

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
					Asphalt Base Hand auger to 5 feet.
	--	0	10		Silty CLAY (CL), moderate yellowish brown, slightly moist, moderate plasticity, no hydrocarbon odor or stain.
	--	0	15		CLAY (CL), greenish brown, slightly moist, moderate plasticity, no hydrocarbon odor or stain.
	--	30	20		CLAY (CL), greenish brown, slightly moist, moderate plasticity, no hydrocarbon odor or stain.
	--	60	25		CLAY (CL), greenish gray, wet, moderate plasticity, hydrocarbon odor and stain.
	--	5	30		CLAY (CL), moderate brown, wet, moderate plasticity, no hydrocarbon odor or stain. Total Boring Depth 30 Feet. Initial Groundwater at 25'

**Completion Notes:**

Soil Boring (SB5) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 25 feet. A temporary 3/4-inch PVC casing was insert in to the open borehole with 5 foot screen and 1/4-inch polyethylene tubing to collect groundwater sample prior to backfill.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

Page 1



# BORING LOG

Driller: Vironex - Direct Push

Date: 9/24/09

Logged By:

Boring Dia: 2.5 Inches

Boring ID: SB6

Joe Schaaf

Sample	Blow Counts	PID (ppm)	Depth Feet	Lithology	Description
				Asphalt Base	Asphalt Base Hand auger to 5 feet.
			5		
	--	0	10		Silty CLAY (CL), greenish brown, dry, low plasticity, no hydrocarbon odor or stain.
			15		
	--	0	15		CLAY (CL), greenish gray, moist, moderate plasticity, no hydrocarbon odor or stain.
			20		
	--	30	20		CLAY (CL), greenish brown, slightly moist, low plasticity, no hydrocarbon odor or stain.
			25		
	--	60	25		CLAY (CL), greenish gray, wet, moderate plasticity, hydrocarbon odor and stain.
			30		
	--	5	30		CLAY (CL), greenish brown, wet, moderate plasticity, no hydrocarbon odor or stain. Total Boring Depth 30 Feet. Initial Groundwater at 25'

**Completion Notes:**

Soil Boring (SB6) completed to a depth of approximately 30 feet and backfilled with cement / bentonite grout from 6-inches to total depth. Ground surface was patched with 6-inches of black colored concrete. Initial groundwater encountered at 25 feet. A temporary 3/4-inch PVC casing was insert in to the open borehole with 5 foot screen and 1/4-inch polyethylene tubing to collect groundwater sample prior to backfill.

**Site:**

Former EZ 100877

525 West A St.

Hayward, CA

Project No.: 07-131

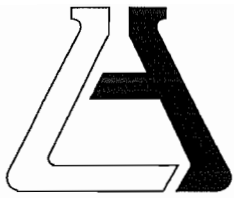
Page 1

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**APPENDIX D**  
**SAMPLE LABORATORY ANALYTICAL REPORT AND**  
**CHAIN OF CUSTODY DOCUMENTATION**

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**ASSOCIATED LABORATORIES**

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT GeoEnviro Services, Inc. (12421)  
ATTN: Joseph Schaaf  
5529 Kailas St.  
Ventura, CA 93003

LAB REQUEST 241767

REPORTED 10/07/2009

RECEIVED 09/29/2009

PROJECT #07-131  
Former EZ Serve 100877

SUBMITTER Client

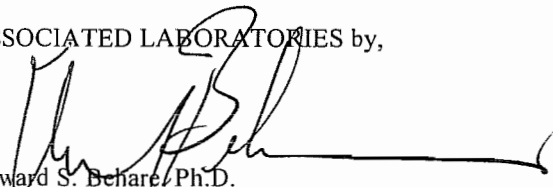
COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

<u>Order No.</u>	<u>Client Sample Identification</u>
1025482	SB1-5
1025483	SB1-10
1025484	SB1-15
1025485	SB1-20
1025486	SB1-25
1025487	SB1-30
1025488	SB1-W
1025489	SB2-10
1025490	SB2-15
1025491	SB2-20
1025492	SB2-25
1025493	SB2-30

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

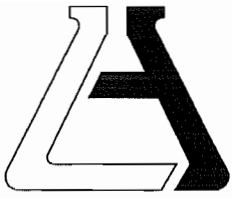
ASSOCIATED LABORATORIES by,

  
Edward S. Behare, Ph.D.  
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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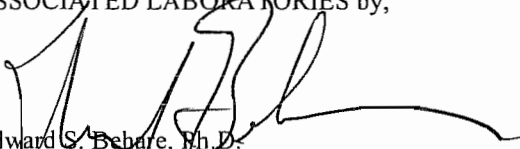
COMMENTS

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<u>Order No.</u>	<u>Client Sample Identification</u>
1025494	SB2-W
1025495	SB3-10
1025496	SB3-15
1025497	SB3-20
1025498	SB3-25
1025499	SB3-30
1025500	SB3-W
1025501	SB4-10
1025502	SB4-15
1025503	SB4-20
1025504	SB4-25
1025505	SB4A-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

  
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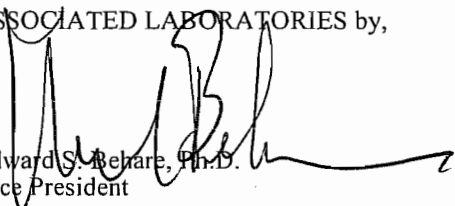
COMMENTS

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<u>Order No.</u>	<u>Client Sample Identification</u>
1025506	SB5-10
1025507	SB5-15
1025508	SB5-20
1025509	SB5-25
1025510	SB5-30
1025511	SB5-W
1025512	SB6-10
1025513	SB6-15
1025514	SB6-20
1025515	SB6-25
1025516	SB6-30
1025517	SB6-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

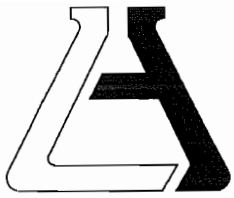
ASSOCIATED LABORATORIES by,

  
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Vice President

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LAB REQUEST 241767

REPORTED 10/07/2009

RECEIVED 09/29/2009

PROJECT #07-131  
Former EZ Serve 100877

SUBMITTER Client

COMMENTS

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Order No.

1025518

1025519

Client Sample Identification

Laboratory Method Blank

Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

  
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Order #: 1025484

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB1-15

Date Sampled: 09/24/2009

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09 LZ
Benzene	ND	1	5	ug/Kg	10/03/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09 LZ
Toluene	ND	1	5	ug/Kg	10/03/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	97			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 135
Surr3 - Toluene-d8	95			%	70 - 135
Surr4 - p-Bromofluorobenzene	96			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	09/30/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	74			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 1025485

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB1-20

Date Sampled: 09/24/2009

Time Sampled: 08:00

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09 LZ
Benzene	26	1	5	ug/Kg	10/03/09 LZ
Ethyl benzene	73	1	5	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09 LZ
Toluene	ND	1	5	ug/Kg	10/03/09 LZ
Xylenes, total	8.6	1	5	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	103			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	85			%	70 - 135
Surr3 - Toluene-d8	101			%	70 - 135
Surr4 - p-Bromofluorobenzene	122			%	70 - 135

**8015B - Gasoline**

Gasoline	7.7	2	6.0	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	117			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025486

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB1-25

Date Sampled: 09/24/2009

Time Sampled: 08:05

Sampled By:

**Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09	LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09	LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09	LZ
Ethyl benzene	5430	50	250.0	ug/Kg	10/03/09	LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09	LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09	LZ
Xylenes, total	10500	50	250.0	ug/Kg	10/03/09	LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09	LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09	LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09	LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09	LZ

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	108			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 135
Surr3 - Toluene-d8	102			%	70 - 135
Surr4 - p-Bromofluorobenzene	113			%	70 - 135

**8015B - Gasoline**

Gasoline	221	25	75.0	mg/Kg	09/30/09	NZ
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	117			%	60 - 140
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025487

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB1-30

Date Sampled: 09/24/2009

Time Sampled: 08:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	569	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	1060	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	96			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135
Surr3 - Toluene-d8	95			%	70 - 135
Surr4 - p-Bromofluorobenzene	99			%	70 - 135

**8015B - Gasoline**

Gasoline	33	2	6.0	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	107			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report





**Order #:** 1025488**Client:** GeoEnviro Services, Inc.**Matrix:** WATER**Client Sample ID:** SB1-W**Date Sampled:** 09/24/2009**Time Sampled:** 08:30**Sampled By:****Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/L	10/01/09	RP
1,2-Dichloroethane	ND	1	5	ug/L	10/01/09	RP
Benzene	8.9	1	1	ug/L	10/01/09	RP
Ethyl benzene	91	1	5	ug/L	10/01/09	RP
Methyl-tert-butylether (MTBE)	199	1	1	ug/L	10/01/09	RP
Toluene	ND	1	5	ug/L	10/01/09	RP
Xylenes, total	141	1	5	ug/L	10/01/09	RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/01/09	RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/01/09	RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/01/09	RP
Tertiary butyl alcohol (TBA)	32	1	10	ug/L	10/01/09	RP

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	93			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110			%	70 - 135
Surr3 - Toluene-d8	105			%	70 - 135
Surr4 - p-Bromofluorobenzene	113			%	70 - 135

**8015B - Gasoline**

Gasoline	2230	5	250.0	ug/L	09/30/09	LT
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	112			%	60 - 140
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025490

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB2-15

Date Sampled: 09/24/2009

Time Sampled: 12:28

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/02/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/02/09 LZ
Benzene	ND	1	5	ug/Kg	10/02/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/02/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/02/09 LZ
Toluene	ND	1	5	ug/Kg	10/02/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/02/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/02/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	102			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	99			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/01/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	76			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



**Order #:** 1025491**Client:** GeoEnviro Services, Inc.**Matrix:** SOLID**Client Sample ID:** SB2-20**Date Sampled:** 09/24/2009**Time Sampled:** 12:33**Sampled By:****Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	2	10.0	ug/Kg	10/05/09	LZ
1,2-Dichloroethane	ND	2	10.0	ug/Kg	10/05/09	LZ
Benzene	ND	2	10.0	ug/Kg	10/05/09	LZ
Ethyl benzene	112	2	10.0	ug/Kg	10/05/09	LZ
Methyl-tert-butylether (MTBE)	ND	2	10.0	ug/Kg	10/05/09	LZ
Toluene	ND	2	10.0	ug/Kg	10/05/09	LZ
Xylenes, total	ND	2	10.0	ug/Kg	10/05/09	LZ
Di-isopropyl ether (DIPE)	ND	2	4.0	ug/Kg	10/05/09	LZ
Ethyl-tertbutylether (ETBE)	ND	2	4.0	ug/Kg	10/05/09	LZ
Tert-amylmethylether (TAME)	ND	2	4.0	ug/Kg	10/05/09	LZ
Tertiary butyl alcohol (TBA)	ND	2	20.0	ug/Kg	10/05/09	LZ

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	108			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 135
Surr3 - Toluene-d8	98			%	70 - 135
Surr4 - p-Bromofluorobenzene	123			%	70 - 135

**8015B - Gasoline**

Gasoline	29	2	6.0	mg/Kg	10/02/09	NZ
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	127			%	60 - 140
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 1025492

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB2-25

Date Sampled: 09/24/2009

Time Sampled: 12:40

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	ND	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	106			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	108			%	70 - 135
Surr3 - Toluene-d8	104			%	70 - 135
Surr4 - p-Bromofluorobenzene	105			%	70 - 135

**8015B - Gasoline**

Gasoline	101	25	75.0	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	138			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025493

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB2-30

Date Sampled: 09/24/2009

Time Sampled: 12:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/02/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/02/09 LZ
Benzene	ND	1	5	ug/Kg	10/02/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/02/09 LZ
Methyl-tert-butylether (MTBE)	9.5	1	5	ug/Kg	10/02/09 LZ
Toluene	ND	1	5	ug/Kg	10/02/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/02/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/02/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	100			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 135
Surr3 - Toluene-d8	101			%	70 - 135
Surr4 - p-Bromofluorobenzene	98			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	79			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025494

Client: GeoEnviro Services, Inc.

Matrix: WATER

Client Sample ID: SB2-W

Date Sampled: 09/24/2009

Time Sampled: 13:00

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/L	10/01/09	RP
1,2-Dichloroethane	ND	1	5	ug/L	10/01/09	RP
Benzene	ND	1	1	ug/L	10/01/09	RP
Ethyl benzene	37	1	5	ug/L	10/01/09	RP
Methyl-tert-butylether (MTBE)	149	1	1	ug/L	10/01/09	RP
Toluene	ND	1	5	ug/L	10/01/09	RP
Xylenes, total	9.4	1	5	ug/L	10/01/09	RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/01/09	RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/01/09	RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/01/09	RP
Tertiary butyl alcohol (TBA)	20	1	10	ug/L	10/01/09	RP

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	89			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 135
Surr3 - Toluene-d8	109			%	70 - 135
Surr4 - p-Bromofluorobenzene	110			%	70 - 135

**8015B - Gasoline**

Gasoline	1640	1	50	ug/L	09/29/09	LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	103			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025497

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB3-20

Date Sampled: 09/24/2009

Time Sampled: 15:35

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	405	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	ND	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	99			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 135
Surr3 - Toluene-d8	98			%	70 - 135
Surr4 - p-Bromofluorobenzene	103			%	70 - 135

**8015B - Gasoline**

Gasoline	6.9	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	113			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



**Order #:** 1025498**Client:** GeoEnviro Services, Inc.**Matrix:** SOLID**Client Sample ID:** SB3-25**Date Sampled:** 09/24/2009**Time Sampled:** 15:41**Sampled By:****Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09	LZ
Benzene	ND	1	5	ug/Kg	10/03/09	LZ
Ethyl benzene	1250	1	5	ug/Kg	10/03/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09	LZ
Toluene	ND	1	5	ug/Kg	10/03/09	LZ
Xylenes, total	799	1	5	ug/Kg	10/03/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09	LZ

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	109			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 135	
Surr3 - Toluene-d8	104			%	70 - 135	
Surr4 - p-Bromofluorobenzene	100			%	70 - 135	

**8015B - Gasoline**

Gasoline	39	5	15.0	mg/Kg	10/02/09	NZ
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	113			%	60 - 140	
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report





Order #: 1025499

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB3-30

Date Sampled: 09/24/2009

Time Sampled: 15:53

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/02/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/02/09 LZ
Benzene	ND	1	5	ug/Kg	10/02/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/02/09 LZ
Methyl-tert-butylether (MTBE)	6.4	1	5	ug/Kg	10/02/09 LZ
Toluene	ND	1	5	ug/Kg	10/02/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/02/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/02/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	106			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	123			%	70 - 135
Surr3 - Toluene-d8	95			%	70 - 135
Surr4 - p-Bromofluorobenzene	102			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	90			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025500

Client: GeoEnviro Services, Inc.

Matrix: WATER

Client Sample ID: SB3-W

Date Sampled: 09/24/2009

Time Sampled: 16:00

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/L	10/01/09 RP
1,2-Dichloroethane	ND	1	5	ug/L	10/01/09 RP
Benzene	4.6	1	1	ug/L	10/01/09 RP
Ethyl benzene	212	1	5	ug/L	10/01/09 RP
Methyl-tert-butylether (MTBE)	50	1	1	ug/L	10/01/09 RP
Toluene	ND	1	5	ug/L	10/01/09 RP
Xylenes, total	42	1	5	ug/L	10/01/09 RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/01/09 RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/01/09 RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/01/09 RP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/01/09 RP

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	95			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	111			%	70 - 135
Surr3 - Toluene-d8	110			%	70 - 135
Surr4 - p-Bromofluorobenzene	107			%	70 - 135

**8015B - Gasoline**

Gasoline	1830	1	50	ug/L	09/29/09 LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	106			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 1025502

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB4-15

Date Sampled: 09/24/2009

Time Sampled: 13:58

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/02/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/02/09 LZ
Benzene	ND	1	5	ug/Kg	10/02/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/02/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/02/09 LZ
Toluene	ND	1	5	ug/Kg	10/02/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/02/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/02/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/02/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	107			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	121			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	105			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	78			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025503

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB4-20

Date Sampled: 09/24/2009

Time Sampled: 14:04

Sampled By:

**Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09	LZ
Benzene	ND	1	5	ug/Kg	10/03/09	LZ
Ethyl benzene	208	1	5	ug/Kg	10/03/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09	LZ
Toluene	ND	1	5	ug/Kg	10/03/09	LZ
Xylenes, total	13	1	5	ug/Kg	10/03/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09	LZ

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	102			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	84			%	70 - 135	
Surr3 - Toluene-d8	100			%	70 - 135	
Surr4 - p-Bromofluorobenzene	127			%	70 - 135	

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/02/09	NZ
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	105			%	60 - 140	
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025504

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB4-25

Date Sampled: 09/24/2009

Time Sampled: 14:07

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	459	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	ND	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	102			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	102			%	70 - 135

**8015B - Gasoline**

Gasoline	12	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	112			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025505

Client: GeoEnviro Services, Inc.

Matrix: WATER

Client Sample ID: SB4A-W

Date Sampled: 09/24/2009

Time Sampled: 14:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/L	10/01/09 RP
1,2-Dichloroethane	ND	1	5	ug/L	10/01/09 RP
Benzene	ND	1	1	ug/L	10/01/09 RP
Ethyl benzene	ND	1	5	ug/L	10/01/09 RP
Methyl-tert-butylether (MTBE)	58	1	1	ug/L	10/01/09 RP
Toluene	ND	1	5	ug/L	10/01/09 RP
Xylenes, total	ND	1	5	ug/L	10/01/09 RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/01/09 RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/01/09 RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/01/09 RP
Tertiary butyl alcohol (TBA)	11	1	10	ug/L	10/01/09 RP

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	94			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	98			%	70 - 135
Surr3 - Toluene-d8	106			%	70 - 135
Surr4 - p-Bromofluorobenzene	108			%	70 - 135

**8015B - Gasoline**

Gasoline	76	1	50	ug/L	09/29/09 LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	106			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



**Order #:** 1025507**Client:** GeoEnviro Services, Inc.**Matrix:** SOLID**Client Sample ID:** SB5-15**Date Sampled:** 09/24/2009**Time Sampled:** 10:56**Sampled By:**

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09 LZ
Benzene	ND	1	5	ug/Kg	10/03/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09 LZ
Toluene	ND	1	5	ug/Kg	10/03/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	104			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117			%	70 - 135
Surr3 - Toluene-d8	98			%	70 - 135
Surr4 - p-Bromofluorobenzene	98			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	94			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 1025508

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB5-20

Date Sampled: 09/24/2009

Time Sampled: 11:02

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	1070	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	680	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	100			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	100			%	70 - 135

**8015B - Gasoline**

Gasoline	14	1	3	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	102			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report





Order #: 1025509

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB5-25

Date Sampled: 09/24/2009

Time Sampled: 11:10

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	778	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	ND	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	100			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	100			%	70 - 135

**8015B - Gasoline**

Gasoline	102	25	75.0	mg/Kg	09/30/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	124			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025510

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB5-30

Date Sampled: 09/24/2009

Time Sampled: 11:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/05/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/05/09 LZ
Benzene	ND	1	5	ug/Kg	10/05/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/05/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/05/09 LZ
Toluene	ND	1	5	ug/Kg	10/05/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/05/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/05/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/05/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/05/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/05/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	105			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118			%	70 - 135
Surr3 - Toluene-d8	101			%	70 - 135
Surr4 - p-Bromofluorobenzene	91			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/01/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	78			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025511

Client: GeoEnviro Services, Inc.

Matrix: WATER

Client Sample ID: SB5-W

Date Sampled: 09/24/2009

Time Sampled: 11:30

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	10	50.0	ug/L	10/01/09	RP
1,2-Dichloroethane	ND	10	50.0	ug/L	10/01/09	RP
Benzene	41	10	10.0	ug/L	10/01/09	RP
Ethyl benzene	1090	10	50.0	ug/L	10/01/09	RP
Methyl-tert-butylether (MTBE)	36	10	10.0	ug/L	10/01/09	RP
Toluene	ND	10	50.0	ug/L	10/01/09	RP
Xylenes, total	167	10	50.0	ug/L	10/01/09	RP
Di-isopropyl ether (DIPE)	ND	10	10.0	ug/L	10/01/09	RP
Ethyl-tertbutylether (ETBE)	ND	10	10.0	ug/L	10/01/09	RP
Tert-amylmethylether (TAME)	ND	10	10.0	ug/L	10/01/09	RP
Tertiary butyl alcohol (TBA)	ND	10	100.0	ug/L	10/01/09	RP

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	90			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 135
Surr3 - Toluene-d8	110			%	70 - 135
Surr4 - p-Bromofluorobenzene	109			%	70 - 135

**8015B - Gasoline**

Gasoline	25300	50	2500.0	ug/L	09/29/09	LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	113			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025513

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB6-15

Date Sampled: 09/24/2009

Time Sampled: 09:42

Sampled By:

**Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09	LZ
Benzene	ND	1	5	ug/Kg	10/03/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	10/03/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09	LZ
Toluene	ND	1	5	ug/Kg	10/03/09	LZ
Xylenes, total	ND	1	5	ug/Kg	10/03/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09	LZ

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	102			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	113			%	70 - 135	
Surr3 - Toluene-d8	99			%	70 - 135	
Surr4 - p-Bromofluorobenzene	100			%	70 - 135	

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/02/09	NZ
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	75			%	60 - 140	
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025514

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB6-20

Date Sampled: 09/24/2009

Time Sampled: 09:47

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	50	250.0	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	50	250.0	ug/Kg	10/03/09 LZ
Benzene	ND	50	250.0	ug/Kg	10/03/09 LZ
Ethyl benzene	359	50	250.0	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	ug/Kg	10/03/09 LZ
Toluene	ND	50	250.0	ug/Kg	10/03/09 LZ
Xylenes, total	ND	50	250.0	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	50	100.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	50	500.0	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	97			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 135
Surr3 - Toluene-d8	101			%	70 - 135
Surr4 - p-Bromofluorobenzene	102			%	70 - 135

**8015B - Gasoline**

Gasoline	18	3	9.0	mg/Kg	10/02/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	113			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025515

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB6-25

Date Sampled: 09/24/2009

Time Sampled: 09:54

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09 LZ
Benzene	25	1	5	ug/Kg	10/03/09 LZ
Ethyl benzene	53	1	5	ug/Kg	10/03/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09 LZ
Toluene	ND	1	5	ug/Kg	10/03/09 LZ
Xylenes, total	14	1	5	ug/Kg	10/03/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	99			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 135
Surr3 - Toluene-d8	98			%	70 - 135
Surr4 - p-Bromofluorobenzene	108			%	70 - 135

**8015B - Gasoline**

Gasoline	7.6	1	3	mg/Kg	10/01/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	104			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 1025516

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: SB6-30

Date Sampled: 09/24/2009

Time Sampled: 10:00

Sampled By:

**Analyte****Result****DF****DLR****Units****Date/Analyst****8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/03/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/03/09	LZ
Benzene	ND	1	5	ug/Kg	10/03/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	10/03/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/03/09	LZ
Toluene	ND	1	5	ug/Kg	10/03/09	LZ
Xylenes, total	ND	1	5	ug/Kg	10/03/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/03/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/03/09	LZ

**Surrogates****Units****Control Limits**

Surr1 - Dibromofluoromethane	98			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 135	
Surr3 - Toluene-d8	103			%	70 - 135	
Surr4 - p-Bromofluorobenzene	95			%	70 - 135	

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/01/09	NZ
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**Surrogates****Units****Control Limits**

p-Bromofluorobenzene (Sur)	67			%	60 - 140	
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025517

Client: GeoEnviro Services, Inc.

Matrix: WATER

Client Sample ID: SB6-W

Date Sampled: 09/24/2009

Time Sampled: 10:10

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/L	10/01/09 RP
1,2-Dichloroethane	ND	1	5	ug/L	10/01/09 RP
Benzene	9.2	1	1	ug/L	10/01/09 RP
Ethyl benzene	13	1	5	ug/L	10/01/09 RP
Methyl-tert-butylether (MTBE)	17	1	1	ug/L	10/01/09 RP
Toluene	ND	1	5	ug/L	10/01/09 RP
Xylenes, total	ND	1	5	ug/L	10/01/09 RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/01/09 RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/01/09 RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/01/09 RP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/01/09 RP

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	88			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 135
Surr3 - Toluene-d8	109			%	70 - 135
Surr4 - p-Bromofluorobenzene	111			%	70 - 135

**8015B - Gasoline**

Gasoline	4450	1	50	ug/L	09/29/09 LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	103			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor





Order #: 1025518

Client: GeoEnviro Services, Inc.

Matrix: SOLID

Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/Kg	10/01/09 LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	10/01/09 LZ
Benzene	ND	1	5	ug/Kg	10/01/09 LZ
Ethyl benzene	ND	1	5	ug/Kg	10/01/09 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	10/01/09 LZ
Toluene	ND	1	5	ug/Kg	10/01/09 LZ
Xylenes, total	ND	1	5	ug/Kg	10/01/09 LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	10/01/09 LZ
Ethyl-terbutylether (ETBE)	ND	1	2.0	ug/Kg	10/01/09 LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	10/01/09 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	10/01/09 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	97			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110			%	70 - 135
Surr3 - Toluene-d8	102			%	70 - 135
Surr4 - p-Bromofluorobenzene	99			%	70 - 135

**8015B - Gasoline**

Gasoline	ND	1	3	mg/Kg	10/01/09 NZ
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	81			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 1025519

Client: GeoEnviro Services, Inc.

Matrix: WATER

Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

## Analyte

Result

DF

DLR

Units

Date/Analyst

**8260B Volatile Organic Compounds**

1,2-Dibromoethane	ND	1	5	ug/L	10/01/09	RP
1,2-Dichloroethane	ND	1	5	ug/L	10/01/09	RP
Benzene	ND	1	1	ug/L	10/01/09	RP
Ethyl benzene	ND	1	5	ug/L	10/01/09	RP
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/01/09	RP
Toluene	ND	1	5	ug/L	10/01/09	RP
Xylenes, total	ND	1	5	ug/L	10/01/09	RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/01/09	RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/01/09	RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/01/09	RP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/01/09	RP

## Surrogates

Units

Control Limits

Surr1 - Dibromofluoromethane	92			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 135	
Surr3 - Toluene-d8	103			%	70 - 135	
Surr4 - p-Bromofluorobenzene	101			%	70 - 135	

**8015B - Gasoline**

Gasoline	ND	1	50	ug/L	09/29/09	LT
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## Surrogates

Units

Control Limits

p-Bromofluorobenzene (Sur)	107			%	60 - 140	
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: September 30, 2009

Analysis Date 9/30/09-10/01/09

Lab ID#'s in Batch: 241791 , 241767 , 241779 .

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	400	410	80	82	2

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
Method Blank	97
LCS	94
LCSD	100

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: September 29, 2009

Analysis Date 9/29/09-9/30/09

Lab ID#'s in Batch: 241593 , 241727 , 241767 , 241776, 241452 .

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	446	447	89	89	0

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
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RPD LIMITS = 30
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**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
Method Blank	107
LCS	112
LCSD	112

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G#6-LCS/LCSD

Matrix: SOLID

Prep. Date: October 2, 2009

Analysis Date 10/2/2009 - 10/3/2009

Lab ID#'s in Batch: LR 241835, 241944, 241949, 241951, 241767

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = mg/Kg

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	5.0	5.3	5.3	105	107	2

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

*%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate*

*RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate*

<b>%REC LIMITS = 70 - 130</b>
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<b>RPD LIMITS = 30</b>
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**SURROGATE RECOVERY**

Sample No.	BFB
<b>QC Limit</b>	<b>60-140</b>
Method Blank	82
LCS	118
LCSD	122

*BFB = p Bromofluorobenzen*

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G#6-LCS/LCSD

Matrix: SOLID

Prep. Date: October 5, 2009

Analysis Date: October 5, 2009

Lab ID#'s in Batch: LR 242023, 242024, 242050, 241767, 241944

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = mg/Kg

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	5.0	5.1	5.4	101	108	7

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

*%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate*

*RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate*

<i>%REC LIMITS = 70 - 130</i>
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<i>RPD LIMITS = 30</i>
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**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
Method Blank	99
LCS	100
LCSD	94

*BFB = p Bromofluorobenzene*

ASSOCIATED LABORATORIES  
QA REPORT FORM

QC Sample: 241537-539

Matrix: SOLID

Prep. Date: September 30, 2009

Analysis Date: 9/30/2009 - 10/1/2009

Lab ID#'s in Batch: 241537, 241744, 241745, 241830, 241767

Reporting Units = mg/Kg

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits	
									RPD	%REC
TPH	8015M-G	ND	5	5.4	5.4	107	108	1	30	70-130

**LAB CONTROLLED SPIKE**

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits
						%REC
TPH	8015M-G	ND	5	4.7	93	80-120

**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
QA Sample	85
MS	88
MSD	119
Method Blank	127
LCS	103

*BFB = p Bromofluorobenzene*

**ASSOCIATED LABORATORIES  
QA REPORT FORM**

QC Sample: 241742-346

Matrix: SOLID

Prep. Date: October 1, 2009

Analysis Date: October 1, 2009

Lab ID#'s in Batch: 241767, 241742, 241781, 241875

Reporting Units = mg/Kg

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits	
									RPD	%REC
TPH	8015M-G	ND	5	3.6	4.4	73	87	18	30	70-130

**LAB CONTROLLED SPIKE**

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits
						%REC
TPH	8015M-G	ND	5	5.2	104	80-120

**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
QA Sample	75
MS	117
MSD	118
Method Blank	81
LCS	103

BFB = p Bromofluorobenzen



**ASSOCIATED LABORATORIES  
QA REPORT FORM**

QC Sample: 241767-516

Matrix: SOLID

Prep. Date: October 1, 2009

Analysis Date: 10/1/2009 - 10/2/2009

Lab ID#'s in Batch: 241767, 241835, 241743, 241781,

Reporting Units = mg/Kg

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits	
									RPD	%REC
TPH	8015M-G	ND	5	4.3	4.8	85	96	12	30	70-130

**LAB CONTROLLED SPIKE**

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits
						%REC
TPH	8015M-G	ND	5	4.7	94	80-120

**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
QA Sample	67
MS	113
MSD	115
Method Blank	85
LCS	100

BFB = p Bromofluorobenzen

# ASSOCIATED LABORATORIES

## QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 241721-215

Date Prepared: September 30, 2009

Date Analyzed: 9/30-10/1/09

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 241683, 241730, 241779, 341721, 241719, 241720, 241661, 241767

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	47.30	47.60	95	95	1	22	59 - 172
MTBE	0.00	50.0	52.60	51.00	105	102	3	24	62 - 137
Benzene	0.00	50.0	46.70	46.50	93	93	0	24	62 - 137
Trichloroethene	0.00	50.0	47.20	46.80	94	94	1	21	66 - 142
Toluene	0.00	50.0	53.30	51.10	107	102	4	21	59 - 139
Chlorobenzene	0.00	50.0	50.10	49.10	100	98	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	43.70	87	59 - 172
MTBE	50.0	52.30	105	62 - 137
Benzene	50.0	45.80	92	62 - 137
Trichloroethene	50.0	46.80	94	66 - 142
Toluene	50.0	52.90	106	59 - 139
Chlorobenzene	50.0	49.60	99	60 - 133

\*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

### *Surrogate Recovery*

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	90	92	92	92	94	70 - 135
1,2-Dichloroethane-d4	95	101	98	101	98	70 - 135
Toluene-d8	109	103	103	102	105	70 - 135
p-Bromofluorobenzene	104	101	110	104	110	70 - 135

# ASSOCIATED LABORATORIES

## QA / QC EPA Methods 8260 GCMS # 7

Sample ID: *LCS / LCSD Solid Sample*

Date Prepared: October 2, 2009

Date Analyzed: 10/2-10/3

Sample Matrix: Solid

Units: µg/Kg

Lab ID#'s in Batch: LR241767,

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	48.40	46.40	97	93	4	22	59 - 172
MTBE	50.0	46.90	44.70	94	89	5	24	62 - 137
Benzene	50.0	46.90	47.20	94	94	1	24	62 - 137
Trichloroethene	50.0	49.50	46.80	99	94	6	21	66 - 142
Toluene	50.0	48.20	44.90	96	90	7	21	59 - 139
Chlorobenzene	50.0	49.00	48.00	98	96	2	21	60 - 133

### Surrogate Recovery

Compound	MB1 % Rec	MB 2 % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	99	100	100	100	70 - 135
1,2-Dichloroethane-d4	111	111	99	99	70 - 135
Toluene-d8	102	102	102	99	70 - 135
p-Bromofluorobenzene	97	98	98	95	70 - 135

# ASSOCIATED LABORATORIES

## QA / QC EPA Methods 8260 - GCMS # 7

Sample ID: *MS/MSD Solid Sample*  
 Date Prepared: October 1, 2009  
 Date Analyzed: 10/1-10/2  
 Sample Matrix: Solid  
 Units: µg/Kg

241743-357

Lab ID#'s in Batch: LR241745, 241781, 241743, 241767, 241949, 241951,

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	51.10	47.10	102	94	8	22	59 - 172
MTBE	0.00	50.0	49.50	46.10	99	92	7	24	62 - 137
Benzene	0.00	50.0	49.20	47.30	98	95	4	24	62 - 137
Trichloroethene	0.00	50.0	47.00	50.50	94	101	7	21	66 - 142
Toluene	0.00	50.0	44.20	47.90	88	96	8	21	59 - 139
Chlorobenzene	0.00	50.0	48.20	47.30	96	95	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.40	99	59 - 172
MTBE	50.0	48.50	97	62 - 137
Benzene	50.0	52.70	105	62 - 137
Trichloroethene	50.0	53.70	107	66 - 142
Toluene	50.0	50.80	102	59 - 139
Chlorobenzene	50.0	52.50	105	60 - 133

\*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	97	94	108	102	103	70 - 135
1,2-Dichloroethane-d4	110	105	104	103	102	70 - 135
Toluene-d8	102	101	95	105	100	70 - 135
p-Bromofluorobenzene	99	101	91	97	94	70 - 135

# ASSOCIATED LABORATORIES

## QA / QC EPA Methods 8260 - GCMS # 7

Sample ID: *MS/MSD Solid Sample*  
 Date Prepared: October 5, 2009  
 Date Analyzed: 10/5-10/6  
 Sample Matrix: Solid  
 Units: µg/Kg

242024-597

Lab ID#'s in Batch: LR241949, 241951, 241944, 241767, 242050, 241983, 242024

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	47.60	47.20	95	94	1	22	59 - 172
MTBE	0.00	50.0	41.20	37.70	82	75	9	24	62 - 137
Benzene	0.00	50.0	44.80	42.30	90	85	6	24	62 - 137
Trichloroethene	0.00	50.0	47.10	45.60	94	91	3	21	66 - 142
Toluene	0.00	50.0	41.30	39.20	83	78	5	21	59 - 139
Chlorobenzene	0.00	50.0	40.70	39.10	81	78	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.90	100	59 - 172
MTBE	50.0	48.90	98	62 - 137
Benzene	50.0	48.70	97	62 - 137
Trichloroethene	50.0	49.10	98	66 - 142
Toluene	50.0	47.90	96	59 - 139
Chlorobenzene	50.0	48.80	98	60 - 133

\*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

### *Surrogate Recovery*

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	99	100	105	104	103	70 - 135
1,2-Dichloroethane-d4	108	111	109	109	98	70 - 135
Toluene-d8	103	98	97	95	99	70 - 135
p-Bromofluorobenzene	100	95	98	97	97	70 - 135

# Chain of Custody Record

241767 of 3

Company: <b>GENEPRO SERVICES, INC.</b>		Phone: <b>805 642-1668</b>		A.L. Job No.					
Project Manager: <b>JOSEPH SCHAAF</b>		Fax: <b>805 642-9331</b>		Analysis Requested					
Project Name: <b>FORMER EZ SERVE 100877</b>		Project #: <b>07-131</b>		Test Instructions & Comments					
Site Name and Address: <b>525 WEST 14 STREET HAYWARD, CA</b>									
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.			
1	SBI-5	9/24/09	7:40	Soil	1.5" x 4" <i>Acrylic Liner</i>	ICE			
2	SBI-10		7:45						HOLD
3	SBI-15		7:50						HOLD
4	SBI-20		8:00						
5	SBI-25		8:05						
6	SBI-30		8:20						
7	SBI-W		8:30	H <sub>2</sub> O	(6) 40mL VOAS	HCL/ICE			
8	SBI-10		12:25	Soil	1.5" x 4" <i>Acrylic Liner</i>	ICE			HOLD
9	SBI-15		12:28						
10	SBI-20		12:33						
11	SBI-25		12:40						
12	SBI-30		12:50						
13	SBI-W		13:00	H <sub>2</sub> O	(6) 40mL VOAS	HCL/ICE			
14									
15									

Sample Receipt - To Be Filled By Laboratory		Relinquished by		Relinquished by	
Total Number of Containers	Property Cooled Y / N / NA	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Custody Seals Y / N / NA	Samples Intact Y / N / NA	Printed Name: <b>JOSEPH SCHAAF</b>	Printed Name: <b>Joseph SchAAF</b>	Printed Name: <b>Joseph SchAAF</b>	Printed Name: <b>Joseph SchAAF</b>
Received in Good Condition Y / N	Samples Accepted Y / N	Date: <b>9/24/09</b>	Date: <b>9/24/09</b>	Date: <b>9/29/09</b>	Date: <b>9-29-09</b>
Turn Around Time		Received By: <b>1.</b>	Received By: <b>ASL</b>	Received By: <b>2.</b>	Received By: <b>3.</b>

<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.
<input type="checkbox"/> Rush	<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.

Signatures:  
 Signature: *[Signature]* Printed Name: **DAVID HAN** Date: **9/29/09** Time: **0700**  
 Signature: *[Signature]* Printed Name: **ASL** Date: **9-29-09** Time: **13:00**  
 Signature: *[Signature]* Printed Name: **Wynn Martin** Date: **9-29-09** Time: **13:00**

# Chain of Custody Record

**ASSOCIATED LABORATORIES**  
 806 North Batavia • Orange, CA 92868  
 Phone: (714) 771-6900 • Fax: (714) 538-1209



Company: <b>GEONVRO SERVICES, INC.</b>		Phone: <b>805 642-1668</b>		A.L. Job No.:		
Project Manager: <b>JOSEPH SCHAAF</b>		Fax: <b>805 642-9331</b>		Analysis Requested:		
Project Name: <b>FORMER EZ SERVE 100877</b>		Project #: <b>07-131</b>		Test Instructions & Comments:		
Site Name and Address: <b>525 West A Street Hayward, CA</b>						
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.
1		9/24/09	15:23	Soil	15"x4" Acetate Bags	EE
2			15:28			
3			15:35			
4			15:41			
5			15:53			
6			16:00	H <sub>2</sub> O	⑥ 40mL VOAS	HCl/ICE
7			13:52	Soil	1.5"x4" liner	ICE
8			13:58			
9			14:04			
10			14:07			
11			14:50	H <sub>2</sub> O	⑥ 40mL VOAS	HCl/ICE
12						
13						
14						
15						

**Sample Receipt - To Be Filled By Laboratory**

Total Number of Containers	Property Cooled Y/N/NA	Reinquinshed by Sample 1:	Signature: <i>[Signature]</i>	Printed Name: <b>JOSEPH SCHAAF</b>	Date: <b>9/29/09</b>	Time: <b>7:00</b>
Custody Seals Y/N/NA	Samples Intact Y/N/NA	Reinquinshed by Sample 2:	Signature: <i>[Signature]</i>	Printed Name: <b>JOSEPH SCHAAF</b>	Date: <b>9/29/09</b>	Time: <b>7:00</b>
Received in Good Condition Y/N	Samples Accepted Y/N	Reinquinshed by Sample 3:	Signature: <i>[Signature]</i>	Printed Name: <b>JOSEPH SCHAAF</b>	Date: <b>9/29/09</b>	Time: <b>7:00</b>

**Turn Around Time**

Normal    
  Rush    
  Same Day    
  24 hrs.    
  48 hrs.    
  72 hrs.

Distribution: White - Laboratory    Canary - Laboratory    Pink - Project/Account Manager    Goldmerod - Sampler/Originator

# Chain of Custody Record

**ASSOCIATED LABORATORIES**  
 806 North Batavia ■ Orange, CA 92868  
 Phone: (714) 771-6900 ■ Fax: (714) 538-1209



Company: <b>GEONPRO SERVICES, INC.</b>		Phone: <b>805 642-1668</b>	A.L. Job No.								
Project Manager: <b>JOSEPH SCHAAF</b>		Fax: <b>805 642-9331</b>	Analysis Requested								
Project Name: <b>FORMER EZ SERVE 100877</b>		Project #: <b>07-131</b>	Test Instructions & Comments								
Site Name and Address: <b>525 West A STREET HYWARD, CA</b>											
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	8015M JPHG	8260B BTX	F.O.X.P./EDB/EDC	Hold	Hold
1		9/24/09	1050	Soil	1.5"x4" Heigh LINER	ICE					
2			1056				X	X	X		
3			1102				X	X	X		
4			1110				X	X	X		
5			1120				X	X	X		
6			1130	H <sub>2</sub> O	(6) 40 mL VOALS	HCL/ICE	X	X	X		
7			9:40	Soil	1.5"x4" Heigh LINER	ICE				Hold	
8			942				X	X	X		
9			947				X	X	X		
10			954				X	X	X		
11			10:00				X	X	X		
12			10:10	H <sub>2</sub> O	(6) 40 mL VOALS	HCL/ICE	X	X	X		
13											
14											
15											

**Sample Receipt - To Be Filled By Laboratory**

Total Number of Containers	Properly Cooled Y / N / NA	Signature:	Relinquished by	Signature:	Relinquished by	Signature:	Relinquished by
Custody Seals Y / N / NA	Samples Intact Y / N / NA	Printed Name:	Sample:	Printed Name:	Sample:	Printed Name:	Sample:
Received in Good Condition Y / N	Samples Accepted Y / N	Date:	Received By:	Date:	Received By:	Date:	Received By:
Turn Around Time		Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
		Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
		Date:	Date:	Date:	Date:	Date:	Date:
		Received By:	Received By:	Received By:	Received By:	Received By:	Received By:

- Normal
- Rush
- Same Day
- 24 hrs.
- 48 hrs.
- 72 hrs.





**ASSOCIATED LABORATORIES**

806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

**SAMPLE ACCEPTANCE CHECKLIST**

**Section 1**  
 Client: Geo Enviro Services Project: 07-131 Former E2 Sewer  
 Date Received: 9-29-09 Sampler's Name: Yes No 100877  
 Sample(s) received in cooler: Yes No (Skip Section 2)  
 Shipping Information: \_\_\_\_\_

**Section 2**  
 Was the cooler packed with:  Ice  Ice Packs  Bubble Wrap  Styrofoam  
 Paper  None  Other \_\_\_\_\_  
 Cooler or box temperature: 2.00C  
 (Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Is it properly completed? (IDs, sampling date and time, signature, test)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Were custody seals present?		<input checked="" type="checkbox"/>	
If Yes – were they intact?	<input checked="" type="checkbox"/>		
Were all samples sealed in plastic bags?	<input checked="" type="checkbox"/>		
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>		
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>		
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>		
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>		
Was there headspace in VOA vials?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?			<input checked="" type="checkbox"/>
Was total residual chlorine measured (Fish Bioassay samples only)? *			<input checked="" type="checkbox"/>

\*: If the answer is no, please inform Fish Bioassay Dept. immediately.

**Section 4**  
 Explanations/Comments  
 \_\_\_\_\_  
 \_\_\_\_\_

**Section 5**  
 Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [Signature] Date: 9-29-09

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**APPENDIX E**  
**GEOTRACKER DATA SUBMITTAL RECEIPT**

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STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER ESI**

UPLOADING A EDF FILE

## SUCCESS

Processing is complete. No errors were found!  
Your file has been successfully submitted!

<b><u>Submittal Type:</u></b>	EDF - Site Assessment Report
<b><u>Submittal Title:</u></b>	Additional Site Assessment
<b><u>Facility Global ID:</u></b>	T0600100483
<b><u>Facility Name:</u></b>	EZ SERVE #100877
<b><u>File Name:</u></b>	241767.zip
<b><u>Organization Name:</u></b>	Schaaf
<b><u>Username:</u></b>	SCHAAF
<b><u>IP Address:</u></b>	75.22.89.41
<b><u>Submittal Date/Time:</u></b>	11/13/2009 9:59:47 AM
<b><u>Confirmation Number:</u></b>	<b>9969271004</b>

[VIEW QC REPORT](#)

[VIEW DETECTIONS REPORT](#)

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**APPENDIX F  
PROJECT SPECIFIC  
SITE HEALTH AND SAFETY PLAN**

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**SITE HEALTH AND SAFETY PLAN**

Project Title: Former EZ-Serve 100877  
Project Address: 525 West A Street, Hayward, California  
Project Manager: Joseph P. Schaaf    Work Phone: (805) 642-1668  
Project Supervisor: Joseph Schaaf

**INTRODUCTION**

The purpose of this Site Safety Plan is to establish requirements for protecting the health and safety of site workers for the above-listed project. It contains safety information, instructions, and procedures.

**ORGANIZATION**

The following personnel are designated to carry out the stated job functions pertaining to the site work. All site personnel have read this safety plan and are familiar with its provisions.

	<b>Name</b>	<b>Signature</b>
Site Safety Officer:	Joseph Schaaf	_____
Project Team Leader:	Ryan Shafer	_____
Field Team Leader:	Ryan Shafer	_____
Field Personnel:		_____
		_____
		_____
		_____
		_____
		_____
		_____
		_____

Work was accomplished in accordance with the Site Safety Plan, with the following exceptions: \_\_\_\_\_

\_\_\_\_\_  
Site Safety Officer: \_\_\_\_\_

Date: \_\_\_\_\_

**(RETURN ORIGINAL COPY TO JOB FILE WITH SIGNATURES)**

## **SITE HEALTH AND SAFETY PLAN**

EZ-SERVE 100877 – 525 WEST A STREET, HAYWARD, CA  
OCTOBER 2009

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### **EMERGENCY RESPONSE (DIAL 9-1-1)**

Nearest phone located: Within GeoEnviro Services vehicle  
Closest Emergency Facility: Eden Emergency Medicine Group  
Address: 20103 Lake Chabot Rd.  
Castro Valley, CA 94546  
Phone: (510) 889-5015  
Ambulance response time: 5 minutes or less

Fire and Police will also be contacted by dialing 911. Ambulance service is to be used in emergencies if the injured person cannot safely be transported by a GeoEnviro Services vehicle. When in doubt as to the severity of the situation, call 911.

### **SITE DESCRIPTION**

Location: Former gasoline service station located in a residential/commercial area of Stockton.  
Hazards: General hazards associated with the operation of a drilling rig and dual-phase extraction equipment. Potential unintentional of unmarked utilities during drilling activities. Potential for exposure to petroleum hydrocarbon vapors, or petroleum hydrocarbon impacted soil and/or groundwater.  
Area Affected: Subsurface soil and groundwater  
Land Use: Commercial  
Topography: Generally flat  
Weather Conditions: Dry and warm

### **PROJECT OBJECTIVE**

The objective of this project is to install extraction / injection / monitoring wells using a hollow-stem auger drilling rig.

### **AGENCY REPRESENTATIVE(S)**

Name: Mr. Mark Detterman  
Agency: Alameda County Environmental Health  
Phone Number: (510) 567-6876

### **SITE SETUP**

A safe perimeter will be established at the work site. The area will be restricted to required personnel only. No unauthorized personnel will be allowed within the safe perimeter stated above. Control boundaries will be marked with caution tape if necessary to maintain the established safe perimeter. The onsite command post will be established at the CalClean vehicle.

## SITE HEALTH AND SAFETY PLAN

EZ-SERVE 100877 – 525 WEST A STREET, HAYWARD, CA

OCTOBER 2009

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### HAZARD EVALUATION

**Chemicals Onsite.** The following substance(s) are known or suspected to be onsite. The primary hazards of each are identified along with their concentrations, if known.

Substance Involved	Primary Hazard	Concentration
Gasoline and/or Diesel	BTEX and MTBE Exposure	As great as 5,000 mg/kg
Oxygen	Combustion Accelerator	

**Physical Hazards Onsite.** Normal physical hazards are present from subsurface exploration equipment and remediation equipment. Personnel are required to follow the GeEnviro Services general health and safety plan, a copy of which is kept at the office of GeEnviro Services and has been reviewed and discussed by all Geo Enviro Services personnel.

### GENERAL SAFETY RULES

1. There will be no eating, drinking, or smoking within the safe perimeter set up.
2. Fire extinguishers will be onsite on or near GeoEnviro Services vehicle.
3. A first aid kit is located at the onsite command post.

### EQUIPMENT

**Personal Protective Equipment.** On the basis of the evaluation of potential hazards, the level of protection deemed appropriate for this site is Level D. If organic vapor concentrations in the breathing zone exceed 50 parts per million by volume (ppmv), EPA Level C personal protective equipment will be used. These concentrations are based on personnel exposure limits (PELs) and threshold limit values (TLVs) of the various contaminants anticipated, with some consideration given to possible contaminants encountered in combination.

Level D equipment includes:

- hard hat
- steel toe and shank boots
- safety glasses or goggles
- latex gloves
- rubber gloves
- long sleeve shirt or coveralls

Level C equipment includes:

- full or half face respirator
- dual cartridge with organic vapor/acid gas hepa filtration
- steel toe neoprene boots
- Tyvek suits
- latex inner gloves
- PVC outer gloves
- duct tape

## **SITE HEALTH AND SAFETY PLAN**

EZ-SERVE 100877 – 525 WEST A STREET, HAYWARD, CA

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### **DECONTAMINATION PROCEDURES**

Personnel and equipment leaving the job site shall be decontaminated. The following procedures shall be followed:

1. Soil samplers will be washed with TSP (non-phosphate) solution and rinsed in clean water prior to being used.
2. Personnel will wash as soon as possible after completion of work and prior to eating, drinking, smoking, etc.

### **MONITORING**

#### **Safety Monitoring**

1. The designated Site Safety Officer is responsible for onsite safety recommendations during site field activities.
2. A safety meeting will be conducted onsite by the Site Safety Officer prior to initiation of activities. The technical work plan and Health and Safety Plan will be discussed and any other topic considered relevant by the Site Safety Officer.

#### **Environmental Monitoring**

1. The following environmental monitoring instruments shall be used during the site assessment: Photoionization Detector and/or organic vapor analyzer.
2. The Site Safety Officer shall be notified of any onsite emergencies or potential hazards noticed by other site personnel. The Site Safety Officer is responsible for determining whether it is safe to proceed. If the Site Safety Officer does not or cannot make the determination, then the project manager shall be contacted prior to continuing with the investigation.
3. If any equipment onsite fails to operate properly, the Field Team Leader and Site Safety Officer shall be notified. It will be determined as to the effect of this failure on continuing operations on the site. If the failure affects the safety of personnel or prevents completion of the work plan tasks, all personnel shall leave the job site until the situation is evaluated and appropriate actions taken.

**Personal Monitoring.** The following personal monitoring will be in effect onsite:

Site personnel will be observed by the Site Safety Officer to determine whether they are operating in a safe manner. Special attention will be given to observing for heat stress.



## **SITE HEALTH AND SAFETY PLAN**

EZ-SERVE 100877 – 525 WEST A STREET, HAYWARD, CA

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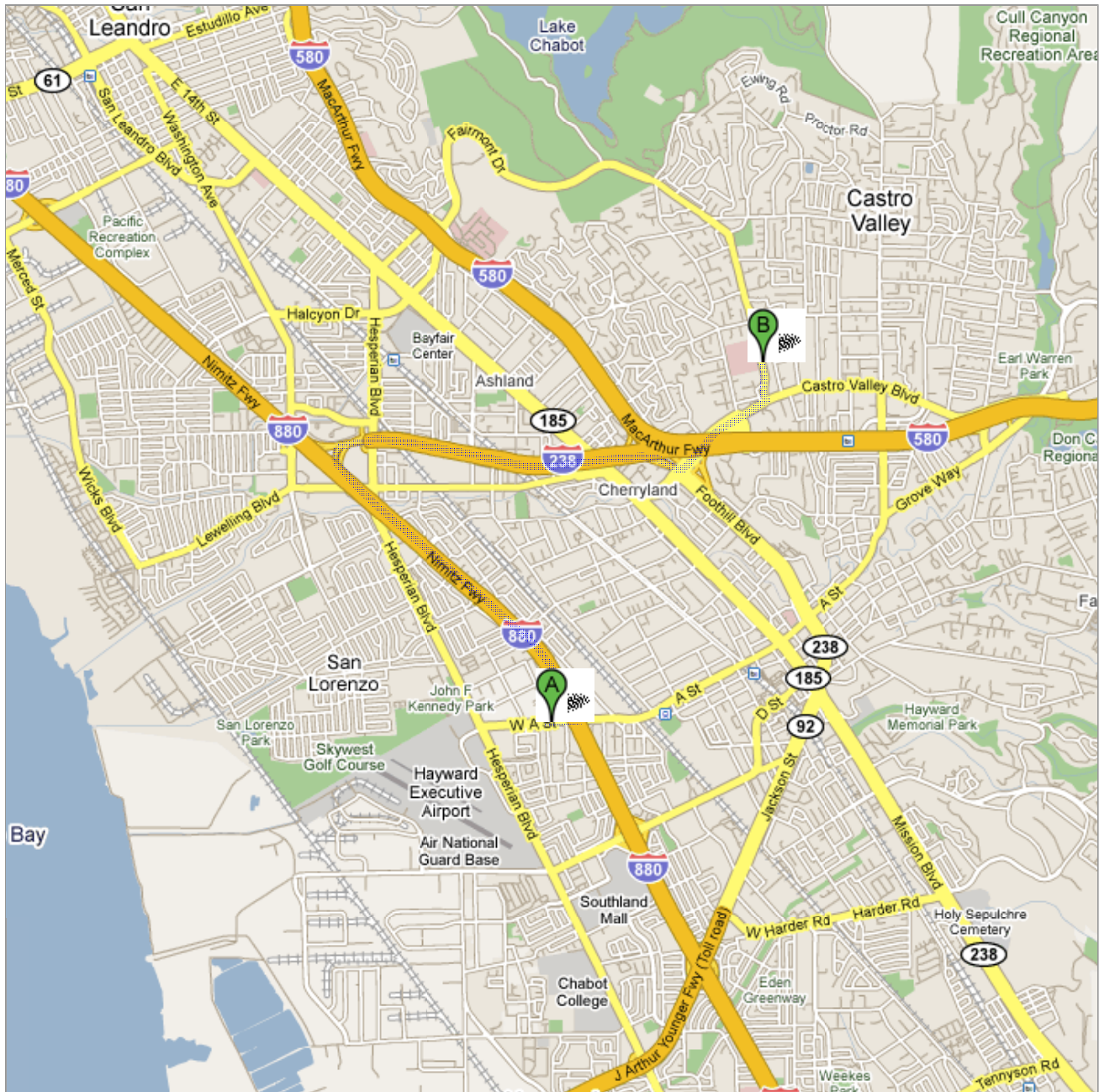
### **TRAINING REQUIREMENTS**

All personnel will be up-to-date on the requirements set forth in 29 CFR 1910.120. It is the responsibility of the Corporate Health and Safety Coordinator, Mr. Joseph P. Schaaf, to maintain the required annual 8-hour OSHA Hazardous Waste Operations (HAZWOPER) refresher training for all personnel.



### Directions to 20103 Lake Chabot Rd, Castro Valley, CA 94546 5.5 mi – about 12 mins

**Save trees. Go green!**  
Download Google Maps on your phone at [google.com/gmm](http://google.com/gmm)





**525 W A St**  
**Hayward, CA 94541**

	1. Head <b>west</b> on <b>W A St</b> toward <b>Victory Dr</b>	go 82 ft total 82 ft
	2. Make a <b>U-turn</b> at <b>Victory Dr</b> About 2 mins	go 0.2 mi total 0.2 mi
	3. Turn <b>left</b> to merge onto <b>I-880 N</b> toward <b>Oakland</b> About 2 mins	go 1.7 mi total 1.9 mi
	4. Take the exit onto <b>I-238 S</b> toward <b>Castro Valley/I-580/Stockton</b> About 3 mins	go 2.2 mi total 4.1 mi
	5. Take the <b>Castro Valley Blvd</b> exit About 1 min	go 0.5 mi total 4.6 mi
	6. Turn <b>left</b> at <b>Castro Valley Blvd</b> (signs for <b>Castro Valley Blvd</b> ) About 3 mins	go 0.6 mi total 5.2 mi
	7. Slight <b>left</b> to stay on <b>Castro Valley Blvd</b>	go 407 ft total 5.3 mi
	8. Turn <b>left</b> at <b>Lake Chabot Rd</b> Destination will be on the left About 1 min	go 0.2 mi total 5.5 mi



**20103 Lake Chabot Rd**  
**Castro Valley, CA 94546**

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2008 Tele Atlas