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Groundwater Quality Monitoring Report
March 2010

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9:15 am, May 25, 2010

Alameda County
Environmental Health

Oak Walk Site
Emeryville, California

for

Bay Rock Oaks, LLC

May 2010

Project No.: 0707.1001

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BAY ROCK OAKS, LLC

Alameda County Environmental Health Care Services
Local Oversight Program
1131 Harbor Way Parkway, Suite 250
Alameda, California 94502-6577

Date: May 14, 2010

Your Reference: RO2733

Attn. Mr. Mark Detterman

SUBJECT: Groundwater Quality Monitoring Report - March 2010 - Oak Walk Site, Emeryville California

Dear Mr. Detterman:

A copy of the: *Groundwater Quality Monitoring Report - March 2010 - Oak Walk Site, Emeryville California,* prepared by our consultants, Dietz Engineering and Construction, Inc. (**DEC**), is herewith submitted electronically to the Alameda County Environmental Health Care Services (ACEH) website.

With respect to the report I state the following: ***I declare, under penalty of perjury, that the information and recommendations contained in the attached report are true and correct to the best of my knowledge.***

If you have any technical questions about the report please call Dr. Watkins at (510) 336-9118. For administrative questions please call me at (510) 873-8880 Ext. 2#.

Sincerely,

Marilyn Ponte
Bay Rock Oaks, LLC

cc: Dr. Dai Watkins, Dietz Engineering and Construction, Inc..

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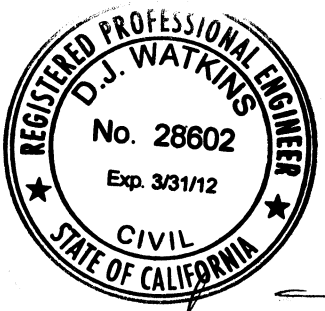
PROFESSIONAL CERTIFICATION AND LIMITATIONS

This report was prepared under the direction of the engineer whose seal and signature appear below. The work was performed in accordance with generally accepted standards of engineering practice based on information available to us at the time of its preparation and within the limits of the scope of work directed by the client. No other representation, express or implied, and no warranty or guarantee is included or intended as to professional opinions, recommendations, or field or laboratory data provided.



05/21/2010

D. J. Watkins, Ph.D., P.E.
Civil Engineer
Dietz Engineering and Construction, Inc.

DEC

1.0 INTRODUCTION

This groundwater-quality monitoring report was prepared by Dietz Engineering and Construction, Inc. (**DEC**), successor to The San Joaquin Company Inc. (**SJC**), for the Oak Walk Site in the city of Emeryville, California. The site location is shown on Figure 1. The site occupies a major part of the city block that is bounded by 41st Street, Adeline Street, 40th Street and San Pablo Avenue. It has a total area of some 75,294 sq. ft. (1.73 acres). Figure 2 is a site plan. Figure 3 shows the neighborhood setting of the Oak Walk Site.

The property is owned by Bay Rock Oaks, LLC (**Bay Rock Oaks**) of Emeryville California, a California Limited Liability Company. DEC prepared this report for Bay Rock Oaks.

Soil and groundwater beneath the property has been affected by the release of fuel hydrocarbons and industrial solvents, the sources of which were underground storage tanks formerly located at several off- and on-site locations.

1.2 Site North

As is shown on Figure 3, true north at the Oak Walk Site is slightly to the west of the center line of Adeline Street, which runs along the eastern side of the city block on which the Oak Walk property is located. However, to simplify discussion, in this report we have established a “Site North” that parallels the alignment of San Pablo Avenue, which runs along the western side of the property. Unless otherwise stated, all compass directions used in this text should be interpreted in the context of that directional construct.

1.3 Topography

The site has a mean elevation close to 45.5 ft. above the National Vertical Datum (**NVD**). At the scale of the property as a whole, it has a downward slope from east to west (*i.e.*, from Adeline Street to San Pablo Avenue). Along the subject property's southern frontage, 40th Street slopes down toward San Pablo Avenue at a gradient of 1.35%, while along the northern frontage on 41st Street the corresponding slope is only 0.78%.

The whole of the Oak Walk Site is surrounded by public streets except along its eastern boundary, beyond which are residential sites that front onto Adeline and 41st Streets (see Figure 3).

1.4 Site History

The whole of the property was cleared for redevelopment in 2004 and the new construction shown on Figure 2 was completed in January 2009. Prior to its redevelopment, the site had been occupied by residences, some of which had been present since the late 1800s, and commercial structures that had been developed in the

early years of the 20th Century through the 1970s (The San Joaquin Company Inc. 2009b).

The Oak Walk Site now includes three new structures that are designated Buildings 1, 2, and 3 on Figure 2. Building 1 is located at the intersection of 40th Street and San Pablo Avenue. Its ground floor is occupied by two large retail spaces. Above that are one one-bedroom and one two-bedroom condominium residence. The commercial spaces on the ground floor of Building 1 have the addresses 4000 and 4010 San Pablo Avenue. The residences on the upper floor have the addresses 4002 and 4008 San Pablo Avenue.

Building 2, which has three stories, is located at the northwestern corner of the site at the intersection of 41st Street and San Pablo Avenue. The ground floor of that structure includes a retail space, two two-bedroom town homes and one three-bedroom town home. The upper floors of that building feature two one-bedroom condominiums and two two-bedroom condominiums. The commercial space on the ground floor of Building 2 has the address 4098 San Pablo Avenue. The residences on the ground floor have the addresses 1087, 1089 and 1091 41st Street. The four units on the upper floors of that building have the addresses 1093, 1095, 1097 and 1099 41st Street.

Building 3 is a four-story residential building, which is comprised of a total of 44 one-, two- and three-bedroom condominium and townhome units with a 61 car garage that occupies a portion of the ground floor. The garage is accessible from 40th Street. A restroom facility for AC Transit is located, as shown on Figure 2, on the ground floor of Building 3. It is accessed by a door opening onto 40th Street. The residential units in Building 3 have the address 1122 40th Street, Unit Nos.1 through 44.

The redeveloped site also includes five single-family residences at 1077 - 1085 41st Street. Those structures had previously been situated at other locations on the property but were moved to their present sites where they were restored to preserve their historic architecture.

As is also shown on Figure 2, an outdoor parking lot is accessed from both San Pablo Avenue and 40th Street and there is a small public playground accessed from 41st Street in the northeastern corner of the site.

1.5 Sources of Contamination Affecting the Oak Walk Site

The program of environmental site characterization conducted at the Oak Walk Site showed that soil and groundwater beneath the property is affected by both fuel hydrocarbons and paint thinners (solvents) (The San Joaquin Company Inc. 2005). Those materials were released into the subsurface at four separate locations. Three of the sources, two where paint solvents were released and one where fuel hydrocarbons were released, are located off the Oak Walk Site, while the fourth, at which a release of fuel hydrocarbons occurred, is today partially outside and partially inside the Oak Walk site boundary. Each of those sources is discussed below.

1.5.1 The Former Dunne and Boysen Paint Sites

These sites are in close proximity to each other and are situated to the east of the Oak Walk Site beyond the adjacent Ennis property and Adeline Street. Their locations are shown on Figure 3. Paint was manufactured and paint solvents were stored in underground tanks at both of these facilities. In the case of the former Boysen Paint Site (also referred to in the regulatory records as Oakland National Engraving (**ONE Oakland**)), contamination is also known to have been released from a sump on that property. Both are cited in regulatory records as sources of releases of regulated materials to the subsurface. With the currently available information it is not possible to be certain whether or not the solvents released at Boysen Paint commingled with solvents released at the Dunne Paint Site. However, both contribute to the plume of paint solvents found to be affecting the subsurface beneath the Oak Walk Site. For the purpose of this report, those two release sites will be treated as if they are a single source.

Petroleum hydrocarbons in the gasoline and middle-distillate ranges, including compounds in the diesel and mineral spirits range, which can be ascribed to releases of solvents at the Dunne Paint Site and at the Boysen Paint/ONE Oakland Site, have been detected over essentially the whole area of the Oak Walk Site. There is also clear evidence that those materials are present at high concentrations in soil and groundwater under the Ennis property, which, as shown on Figure 3, is adjacent to the Oak Walk Site and lies between it and the former paint manufacturing sites.

The Alameda County Department of Environmental Health Department (**ACEH**) has assigned the case number RO72/RO73 to the Dunne Paint Site and the case number RO79 to the Boysen Paint/ONE Oakland Site.

1.5.2 The Former Celis Alliance Automobile Service Station

The location of the former Celis service station, which is today beneath the 40th Street right-of-way and adjacent to the Oak Walk Site, is also shown on Figure 3. Large quantities of fuel hydrocarbons were released from underground storage tanks on that site. The releases contaminated soil and groundwater over a wide area that is, today, occupied by the 40th Street right-of-way, a portion of the Andante condominium housing site to the south, a significant portion of the Oak Walk Site to the north, beneath San Pablo Avenue and property to the west of that thoroughfare. After the City of Emeryville Redevelopment Agency acquired the Celis Site by eminent domain for the purpose of extending 40th Street west from Adeline Street, a portion of the area of the subsurface affected by the release at that site was remediated by removal of contaminated soil down to some 9 ft. below the ground surface (**BGS**) and by a limited program of groundwater pumping. Some limited areas beneath the 40th Street right-of way to the east of, and up the hydrogeologic gradient from, the tanks were also partially remediated by excavation and off-site disposal of contaminated soil.

The Celis Site is recorded in California regulatory databases with the identifiers shown below:

The California State Water Resources Control Board (**SWRCB**) has established the following Global ID for the Celis Site: T0600101794

The California Regional Water Quality Control Board - San Francisco Bay Region (**RWQCB**) has been assigned the following case number to the Celis Site: 01-1938

The ACEH Local Oversight Program (**LOP**), which is the lead agency for the site, has assigned the following case number to the Celis Site: RO453/RO567

Releases of fuel hydrocarbons and, to limited extent, motor oil from the Celis Site commingled beneath the Oak Walk Site with the paint solvents released at the Boysen and Dunne Paint Sites to the east.

1.5.3 The Former San Francisco French Bread Site

The San Francisco French Bread Company (**SFFBC**) formerly occupied a part of the Oak Walk Site that today fronts onto 40th Street. SFFBC installed two ten thousand-gallon underground storage tanks on their property, which had the address 4070 San Pablo Avenue. One tank stored diesel and the other stored gasoline for use in the bread company's fleet of distribution vehicles. The former locations of the tanks are shown on Figure 3.

When the 1995 extension of 40th Street between Adeline Street and San Pablo Avenue was constructed by the City of Emeryville, the southern half of the tank sites became part of the street right-of-way and the northern half remained within the current boundaries of the Oak Walk site. At that time, soil was remediated by excavation to a depth of 10 ft. over an approximately 20 ft. by 18 ft. rectangular area at a location coincident with the southern half of the former SFFBC tank pit. No further remediation of the portion of SFFBC tank site that is beneath 40th Street has occurred since then. However, as is recorded in this report, the northern portion of the former SFFBC Site was included in the remediation work conducted at the Oak Walk Site.

The SFFBC tank site is recorded in California databases with the identifications shown below.

The SWRCB has established the following Global ID for the SFFBC Site: T0600101186

The RWQCB has been assigned the following case number to the SFFBC Site: 01-1289

The ACEH, which is the lead agency for the site, has assigned the following case number to the SFFBC Site: RO171

1.5.4 Oak Walk Site

With the exception of the small area of the former SFFBC property that is included in the Oak Walk Site, there are no known sources of contamination on the subject property. However, in order to provide oversight of the site characterization and remediation of the Oak Walk Site, the ACEH has assigned the following case number to the Oak Walk Site: RO2733. At the request of the ACEH, the SWRCB established the following Geotracker Global ID for the Oak Walk Site: T06019705080.

1.6 Site Characterization Program

SJC completed an extensive, multi-phased environmental and geotechnical engineering site characterization program for the Oak Walk Redevelopment Site in 2005 (The San Joaquin Company Inc. 2005, 2004a,b,c). The scope of that investigation included excavation of eight exploratory trenches (Nos. 1-8), drilling of two cone penetrometer test holes and a total of 30 exploratory borings, in 21 of which groundwater-quality monitoring wells were constructed (the locations of the trenches, wells and borings are shown on Figure 4). During the subsequent site remediation, which is described in Section 1.7 below, three additional exploratory trenches (Nos. 9-11) were excavated, Monitoring Wells MWT-1 through MWT-10 and MW-6 were closed and eleven new wells, numbered MW-6A, MW-9 through 15 and MW-16A, -16B and -16C were installed at the locations shown on Figure 4 (The San Joaquin Company Inc. 2009b).

In addition to the trenches, wells and borings drilled by SJC, geotechnical and geochemical data was available from wells and borings installed for the former Dunne and Boysen Paint Sites, the San Francisco French Bread Site, the Celis Site and the Andante Site (see Figure 3 for locations).

The results of analyses of soil samples recovered from borings, wells and trenches are compiled in Tables 1, 2, and 3. Depths to groundwater are recorded in Table 4. The results of analyses of groundwater samples are compiled in Tables 5 and 6.

SJC's principal findings derived from the site characterization work are summarized below.

1.6.1 Geology

The subject property is situated on the eastern side of San Francisco Bay in the California Coast Ranges section of the Pacific Border physiographic province.

As is typical of sites in the neighborhood, the subject property is underlain by fill that varies in thickness from approximately 3 to 10 feet. Beneath the fill are strata of alluvial fan deposits of the Quaternary-age Temescal Formation that is comprised of inter-fingering lenses of clayey gravel, sandy silty clay and sand-clay-silt mixtures (Radbruch 1957). At the site, this formation is some 20 ft. to 30 ft. thick and lies unconformably over earlier Quaternary continental and marine sands, clays and gravels of the Alameda

Formation, the maximum thickness of which has not been fully explored in the region around the subject property, but is known to exceed 1,050 ft.

1.6.2 Hydrology

Temescal Creek flows in underground culverts along a generally east to west course approximately 0.5 miles to the north of the subject property and discharges into San Francisco Bay, the shore of which is today some 0.85 miles to the west of the site. Prior to circa 1880, after which it was filled to become the site of a housing tract, there was a 30-acre tidal flat that formed an embayment in the shoreline of the Bay at a distance of some 0.6 miles southwest of the Oak Walk Site.

Temescal Creek and the tidal flats of San Francisco Bay dominated the regional hydrology of the area prior to its urbanization in the late 19th Century. However, there were no known streams that existed during the historical period in the vicinity of the Oak Walk Site closer than Temescal Creek.

The majority of precipitation running off the roofs of the structures and the parking lot on the redeveloped Oak Walk property is directed into filtration beds. Water discharged from the filter beds and small areas of paving that drain into street gutters is directed into the City of Emeryville's storm water management system. That system drains to San Francisco Bay. Approximately 95% of precipitation falling on the site is either diverted into the filter beds or percolates into the subsurface.

1.6.3 Hydrogeology

The depth to the groundwater table in the area of the subject property reflects long term weather cycles as well as seasonal variations in local precipitation in the San Francisco Bay Area. Depending upon those factors, the piezometric level of the regional groundwater may be at elevations that vary between approximately 4 and 12 ft. BGS (The San Joaquin Company Inc. 2005).

The regional direction of groundwater flow in the area of the site is essentially from east to west but, locally, it is greatly influenced by zones and channels of permeable sands and gravels that are present in the subsurface. Areas where channels and zones of high-permeability soils are present extend from east to west across the length of the site. However, such permeable facies are relatively less pronounced along the southern boundary of the site at 40th Street. In close proximity to the northern boundary of the site along 41st Street, they are essentially absent.

1.6.3.1 Hydrostratigraphic Sections

Information from the logs of the trenches, borings and wells drilled on the site and on the surrounding streets was synthesized to develop hydrostratigraphic sections along the lines A-A', B-B', C-C', D-D', E-E', F-F', G-G' and H-H' that are located as shown on Figure 4. The sections are shown on Figures 5 through 12.

The cross sections show the fill material that covers the site and the underlying alluvial sediments, which are divided into six classes: very low-permeability fill that was used to restore the remedial excavations; very low-permeability soil that was created by excavating and re-compacting soils in other areas of the site; and the following undisturbed natural soils: the very low-permeability clays and silty clays; the slightly more permeable sandy clay and clays with some silt, sand or gravel (*i.e.*, soils that are dominantly clayey, but which have small lenses and inclusions of coarser facies); permeable silts, clayey gravels and sands; and highly permeable gravels that are free of silty or clayey fractions. That presentation makes it possible to reduce the details of the stratigraphy to a tractable degree of complexity by distinguishing between the different soil types based on the properties that are of importance to the understanding of the distribution and transport of chemicals of concern (**COC**s) in the subsurface. However, it is not intended to represent the detailed geologic stratigraphy of the complex of inter-bedded and lenticular strata and paleo streambed deposits that are present in the alluvial fan on which the Oak Walk Site is located.

Also shown on the cross sections are the locations from which soil samples were recovered on, or close to, the section lines. The concentrations of TPHg, TPHd (which includes diesel, mineral spirits and components of other middle-distillate petroleum hydrocarbons) and the critical analyte, benzene, that were detected in those samples, which were recovered before the site was remediated, are noted adjacent to the sampling locations.

The hydrostratigraphic cross sections reveal that beneath some areas of the Oak Walk Site there are relatively high-permeability facies that include in-filled paleo streambed channels.

1.6.3.2 Net Permeable Facies

To assist with understanding of the distribution of high-permeability channels in the subsurface beneath the Oak Walk Site, the net permeable facies diagram shown on Figure 13 was constructed.

The isochores shown on the Figure are for the 5-20 ft. BGS interval, which is the interval between the typical depth to groundwater and the typical maximum depth to which the subsurface is affected by petroleum hydrocarbons. The permeable intervals summed to compute the net permeable facies were the sandy clays, clays with some silt, sand or gravel, and highly-permeable gravels.

Areas shown on Figure 13, where the net permeable facies in the subsurface exceed 50% in the selected interval are highlighted, provide a good visual image of the areal distribution of permeable zones and channels beneath the site through which contaminants of concern have preferentially migrated across the Oak Walk Site following their release at the paint factory sites to the east of Adeline Street, at the Celis Site beneath 40th Street, and at the former SFFBC site.

The areas and channels of permeable soil detected beneath the Oak Walk Site are not confined to that property alone. They extend westward beneath San Pablo Avenue and eastward beneath the adjoining Ennis property and across Adeline Street under the Frank Dunne and Boysen Paint Sites at least as far as the California Linen Rental Site (**California Linen**), which is located to the east of Linden Street in Oakland. The locations of channels and areas of high-permeable soil in the neighborhood are shown on Figure 3. That Figure was prepared by SJC at the request of the ACEH (Alameda County Health Care Services 2006) and was developed from available data from the Andante Site (The San Joaquin Company Inc. 2003), the Oak Walk Site (The San Joaquin Company Inc. 2009b, 2005, 2004a,b,c), the Frank Dunne Site, the Boysen Paint Site and the California Linen Site.

Figure 3 presents SJC's best estimates of the courses of the paleo streambed channels that pass through the area and the continuity of the high permeability sand and gravel deposits that are characteristic of those channels. The interpretations are based on a preponderance of the available stratigraphic, hydrogeologic and geochemical data. With the exception of the paleo streambed that crosses from the northern to western boundaries of the Andante property and those that were exposed during the remediation of Oak Walk Site, the location and continuity of the streambed deposits on the other properties and streets as shown on the drawing have not been observed in open excavations.

As is shown on Figure 3, there are two principal channels of high-permeability deposits that cross the Oak Walk Site. One passes from the Ennis property westward towards San Pablo Avenue through the northern portion of the subject property. In addition, there is a second narrow, but well-defined channel of paleo streambed deposits that extends from the southwest portion of the Ennis property across the Oak Walk Site in a northeast to southwest direction and continues beneath 40th Street to cross the boundary of the Andante Property to the south and continues through that site to pass beneath San Pablo Avenue. That paleo channel was originally discovered in 2003 when SJC was remediating the Andante Site (The San Joaquin Company Inc. 2003) and was confirmed to cross 40th Street when its sandy and gravely deposits were again encountered in Exploratory Trenches 3 and 11 (see Figure 4 for locations) on the Oak Walk Site (The San Joaquin Company Inc. 2009b, 2004c).

The streambed deposits on the Andante Site were excavated from the channel and clay plugs were installed across the channel where it crossed the boundaries of that site at 40th Street and at San Pablo Avenue.

As part of the site characterization program conducted at the Oak Walk Site, SJC recovered samples of silty clay recovered from boring BG-2 (see Figure 4 for location) at a depth of 6.5 ft. and a second sample of similar material from a depth of 6 ft. in Monitoring Well MW-7. Constant-head permeability tests conducted on those samples found that the soils had hydraulic conductivities of 2.51×10^{-9} cm/sec and 2.95×10^{-8} cm/sec, respectively (The San Joaquin Company Inc. 2005). Those test results confirmed the extremely low permeability of the silty clays beneath the site and supported the interpretation that migration of contaminants in groundwater is controlled by the silts,

sands and gravels that were deposited on the site in the paleo streambed channels and other alluvial fan deposits laid down during the Recent geological era.

The hydrogeologic features described above are compatible with the published geology of the region, which is covered by an alluvial fan that, in the neighborhood of the Oak Walk Site, includes bands of stream and levee deposits (California Regional Water Quality Control Board - San Francisco Bay Region 1999).

1.7 Remediation

The Oak Walk Site was remediated in compliance with a Corrective Action Plan (The San Joaquin Company Inc. 2006a,b) that was approved by the ACEH (Alameda County Environmental Health Care Services 2006) and included the following elements.

1.7.1 Remedial Excavations

To remove soil heavily affected by benzene and other petroleum hydrocarbons and to limit the potential health risk due to the presence of such soils beneath residential structures, two remedial excavations were opened at the locations shown on Figure 4. As shown on Figure 14, Remedial Excavation No. 1 (**RE-1**) had dimensions of 60 ft. x 110 ft. x 7 ft. deep, while Remedial Excavation No. 2 (**RE-2**), shown on Figure 15, measured 75 ft. x 215 ft. x 6 ft. deep. A total of 3,096.13 tons of affected soil from the remedial excavations and auxiliary pits required for extraction of contaminated groundwater and planting of trees was removed from the site and disposed at permitted landfills.

Confirmation soil samples were recovered from the floors of the remedial excavations at the locations shown on Figures 14 and 15. Those samples were analyzed for TPHd, TPHms, TPHg and the BTEX compounds.

The remedial excavations were backfilled with clean low-permeability engineered fill compacted to a minimum relative density of 90%. The hydraulic conductivity of the fill was in the range 1.52×10^{-8} to 7.82×10^{-8} cm/sec. The highest hydraulic conductivity in that range is less than the hydraulic conductivity of 1.0×10^{-7} cm/sec that was used for the design of the corrective action measures (The San Joaquin Company Inc. 2009b).

1.7.2 Extraction of Contaminated Groundwater

A groundwater extraction pit, designated Groundwater Extraction Pit No. 1 (**GEP-1**), was opened at the location shown on Figure 4. A total of 21,000 gallons of contaminated groundwater was extracted from the area of the site where 54,000 μg/L of TPHd, 81,000 μg/L of TPHms, 8,200 μg/L of TPHg, 1.4 μg/L of benzene, 3.6 μg/L of toluene and 2.2 μg/L of xylenes had been present. (See results of analysis of Sample No GEP-1A in Table 5). However the mixtures of compounds present in the sample in the diesel and gasoline range did not have the characteristics of fuel hydrocarbons, which is consistent with the interpretation developed from the site characterization program that groundwater in that area of the Oak Walk Site is primarily affected by mineral spirits and other

industrial solvents released at the up-gradient Boysen Paint and Frank Dunne Sites. Following the extraction, as measured in sample GEP-1B, the concentrations of those contaminants in groundwater were reduced to 530 μg/L of TPHd, 810 μg/L of TPHms, 1,100 μg/L of TPHg, and no detectable traces of benzene, toluene or xylenes.

1.7.3 Re-engineering of Site-wide Soils

Due to the soft native soils on the Oak Walk Site, construction of foundations for buildings required improvement of the soil in the upper 3 ft. to 6 ft. BGS. To accomplish this, the geotechnical engineering plan (The San Joaquin Company Inc. 2004b) for the site called for soil beneath the whole of Building 3 (see Figure 2 for location) to be excavated to a minimum depth of 6 ft. After conditioning, this soil was returned to the excavation as engineered fill compacted to a relative density of 90%. The re-engineered soil beneath Building 1 has a depth of 7 ft., which was required by the environmental corrective action plan, which in this area exceeded the 6 ft. geotechnical engineering depth requirement. The depth of re-engineered soil beneath Building 2 and the single family residential structures fronting onto 41st Street is a minimum of 4 ft. Soil beneath the paved outdoor parking was re-engineered to a minimum depth of 3 ft.

The effect of the geotechnical engineering soil improvement work described above was to create a stratum of very low permeability soil beneath both the residential and commercial ground floor units in the new building complex that has hydraulic conductivity within the range 1.52×10^{-8} to 7.82×10^{-8} cm/sec. That range is less than the 5.65×10^{-7}cm/sec hydraulic conductivity that was used for the design of the corrective action measures (The San Joaquin Company Inc. 2009b).

1.7.4 Installation of Elastomeric Membrane

A Liquid Boot® elastomeric membrane was placed beneath the floor slabs of all first floor residential and commercial space in the buildings on the Oak Walk Site. Liquid Boot® has a hydraulic conductivity of less than 1.0×10^{-11} cm/sec (Tofani 2009) as measured by ASTM Standard Test D4491 (American Society for Testing and Materials 2004). It does not break down in the presence of petroleum hydrocarbons when subjected to the ASTM Standard D543-06 test (American Society for Testing and Materials International 2006) and it has been shown to gain less than 1% in weight when exposed to benzene vapor at a concentration of 136,000 μg/L. At that concentration, a 60 mil thickness of the material has a mean benzene diffusion coefficient of 2.1×10^{-13} m^2/day (GeoKinetics, Inc. 2008, Tofani 2009).

The Liquid Boot® membrane was sprayed over a geotextile substrate laid over a 4-in. thick gravel base until it reached a minimum thickness of 60 mils. The membrane was also installed vertically along the interior sides of the buildings' strip footings and column bases, as well as around each utility pipe or other penetration passing through the floor slabs. That technique ensures that there are no gaps anywhere in the completed membrane over the entire area of the occupied space. In addition to the areas beneath

ground floor occupied space, a Liquid Boot® membrane was installed so as to fully seal the floor and walls of the elevator pits in Building 3 of the new development.

Following installation and curing, 105 mil thick Liquid Boot® Ultra Shield-1000 geotextile fabric was laid over the membrane to protect it during installation of the concrete floor slabs.

2.0. MARCH 2010 GROUNDWATER-QUALITY MONITORING ROUND

On September 21-24 2010, SJC conducted the first post-remediation round of groundwater-quality monitoring at the Oak Walk property. On September 21, 2009, URS, Inc. (**URS**), the City of Emeryville's consultants, conducted a parallel groundwater-quality monitoring round in wells URS MW-1 through URS MW-5 and LFMW-LF-4, which were installed as part of the site characterization program for the Celis' Site (see Figure 3 for locations) (The San Joaquin Company Inc. 2009a). On March 12-14, 2010 DEC conducted the second round of post-remediation groundwater-quality monitoring at the Oak Walk Site and a parallel monitoring effort was conducted by URS at the Celis site. The results of that round are reported herein.

2.1 Groundwater Elevations and Flow Direction

On March 12, 2010, prior to recovery of samples, the depth to groundwater in each of the monitoring wells installed for the Oak Walk Site was measured using a conductivity probe. The depths to groundwater are recorded in Table 4, together with the water table elevations computed relative to the National Vertical Datum (**NAVD**) based on the previously- surveyed top of casing elevations of the wells.

The depth to groundwater and groundwater table elevations obtained by URS for the City of Emeryville's wells on March 12, 2010 are also recorded in Table 4. The groundwater elevations presented in Table 4 were used to generate the groundwater contours shown on Figure 16. The depth to groundwater used to construct the contours were those measured in all of the extant monitoring wells, except for Monitoring Wells MW-16B and MW-16C which are screened over deeper intervals than the rest of the wells. Although the interpretation of the geometry of the groundwater contours shown on Figure 16 is in strict compliance with the depths to groundwater measured on March 12, 2010, the interpretation of the contour geometries between well locations reflect the known distributions of paleo streambed deposits in the subsurface and hydrostratigraphy of the site and the general geometry of groundwater contours that were derived from the round of groundwater sampling conducted on November 8, 2004, when data from temporary wells MWT-1 through MWT-14 were available (The San Joaquin Company, Inc. 2005).

Compared to conditions on September 21, 2009 the water table at the Oak Walk site had risen in the majority of the monitoring wells by amounts ranging upward to 2.46 ft. (in MW-3), which is consistent with the seasonal rainfall. However, in some cases, a lowering of the groundwater table in the near surface aquifer by up to 0.33 ft. was observed (in MW-15). This reverse direction of groundwater elevation change was most pronounced in the northern area of the site and beneath 40th. Street.

The elevation of the groundwater in Monitoring Well MW-16A on March 12, 2010 was 39.28 NAVD. That well is screened from 5 ft. to 15 ft. BGS. The groundwater elevation in Monitoring Well MW-16B that is screened from 20 ft. to 25 ft. BGS was 39.17ft NAVD, which suggests that, at least locally, there is some degree of hydraulic separation between the different screened intervals in those two wells.

Of particular note was a fall of 5.60 ft. in the groundwater elevation in Monitoring Well MW-16C between September 21, 2009 and March 12, 2010. On September 21, 2009 the groundwater elevation in Monitoring Well MW-16C was 37.24ft NAVD - only 0.11 ft. lower than the water table in adjacent Monitoring Well MW-16B. However, after it was installed in February 2009, it had been extremely difficult to develop due to the very low permeability of the soil at the depth of its screened interval. It is also notable that the difference in groundwater elevations between the shallowest aquifer and intervals at approximately 25ft. BGS on the Andante site to the south of the Oak Walk site (see Figure 3 for location) were on the order of 5 ft. in April 2003 (The San Joaquin Company Inc, 2003). This is consistent with the difference in the groundwater table elevation in Monitoring Wells 16B and 16C at Oak Walk on March 12, 2010. That leads DEC to believe that there is, in fact, distinct hydraulic separation between the 20 ft. to 25 ft. BGS interval and the 30 ft. to 35 ft. BGS interval in the area of the Oak Walk Site around the Monitoring Well 16A, 16B and 16C cluster and that the depth to groundwater measured in Monitoring Well 16C on September 21, 2009 was spurious.

Due to the complex hydrostratigraphy of the subsurface, the direction and gradient of groundwater flow varies from location to location over the Oak Walk Site and surrounding area, but the general direction of groundwater flow in the near surface aquifer is to the southwest. The site-wide groundwater gradient on March 12, 2009 was a gradient of 0.02 ft./ft.

Figure 17 shows groundwater contours for March 12, 2010 from the integrated data gathered by DEC on the Oak Walk Site and URS on the Celis Site.

2.2 Purging of Groundwater-quality Monitoring Wells

A small-diameter, submersible pump was used to purge Monitoring Wells WCEW-1 through MW-16C of stagnant water. The pumped water was discharged into 5-gallon pails, each of which was, in turn, discharged into a 55-gallon drum. The water in the drum was periodically discharged into a 500-gallon holding tank stored in the garage area of Building 3.

During the purging procedure, the temperature, pH and electrical conductivity of the stream of purge water were monitored by checking those parameters periodically using a multi-function electronic meter. Purging continued until all three parameters stabilized (*i.e.*, variations between measurements were less than 10%) or, as in the case of Monitoring Wells MW-16A, MW-16B and MW-16C, the casing was completely emptied and the well was dry. The array of parametric results for each well is recorded in DEC's field notes (see Appendix A).

2.2.1 Disposal of Purge Water

As noted above, purge water extracted from the monitoring wells was discharged periodically into a 500-gallon storage tank held on the property. It will be held there until there is a sufficient accumulation for it to be economically transported for treatment at a

permitted facility.

2.3 Recovery of Groundwater Samples from Monitoring Wells

After purging, samples were recovered from all wells using disposable bailers. Water brought to the surface in the bailers was decanted via discharge spigot valves placed in the bottom of each bailer so as to completely fill clean glassware containing pre-dispensed hydrochloric acid preservative supplied by the laboratory. The sample vials were then tightly closed, labeled for identification, entered into chain-of-custody control and packed on chemical ice for transport to the sample refrigerator at DEC's Oakland office. They were later transported on ice to TestAmerica Laboratories, Inc. in Pleasanton, California (**TestAmerica**) for analysis.

2.4 Analyses of Groundwater Samples

Each groundwater sample recovered was analyzed at the laboratory for the following suite of analytes.

Analyte	Method of Analysis
Total Petroleum Hydrocarbons (quantified as diesel)	EPA Method 8015B with pre-treatment by EPA Method 3630.
Total Petroleum Hydrocarbons (quantified as mineral spirits)	EPA Method 8015B with pre-treatment by EPA Method 3630.
Total Petroleum Hydrocarbons (quantified as gasoline)	EPA Method 8260B
Benzene	EPA Method 8260B
Toluene	EPA Method 8260B
Ethylbenzene	EPA Method 8260B
Total Xylene Isomers	EPA Method 8260B
tertiary-Butyl alcohol	EPA Method 8260B
Methyl-tertiary butyl ether	EPA Method 8260B
Di-isopropyl ether	EPA Method 8260B
Ethyl tertiary-butyl ether	EPA Method 8260B

Tertiary-amyl methyl ether	EPA Method 8260B

TestAmerica's laboratory is certified by the California Department of Health Services (**DHS**) to perform the groundwater analyses listed above.

The results of the analyses of samples of groundwater from the Oak Walk Site are presented in Table 5, which includes the results of analyses of groundwater samples recovered from all previous sampling rounds. Copies of the laboratory's Certificates of Analysis generated from the March 2010 monitoring round are included in Appendix B of this report.

Results of analysis of samples recovered from the Celis wells by URS are also included in Table 5.

3.0 CHEMICALS OF CONCERN IN SOIL AND GROUNDWATER

The investigations of the geochemistry of the subsurface at the Oak Walk Site have shown that soil and groundwater over essentially the whole of the property is affected by petroleum hydrocarbons. As was discussed in Section 1.5 above, mineral spirits and paint thinners were released from the Frank Dunne and Boysen Paint sites located to the east of Adeline Street and diesel and gasoline were released at the Celis Site, located beneath what is now 40th Street. Over large areas of the site the solvents and fuels became intermingled. In addition, a limited area of the site on its southern frontage on 40th Street was affected by a release of gasoline from a tank installed by the SFFBC that was formerly located partially within and partially outside the Oak Walk property boundary. Those release sites are shown on Figure 3.

The concentrations of COCs in soil recovered from the subsurface at the Oak Walk Site are presented in Tables 1, 2 and 7 and the concentrations of COCs in groundwater are presented in Table 5. **Note:** As is described in Section 1.7, in some areas of the Site, soil was remediated by excavation and off-site disposal. In Table 1, COCs detected in samples from locations where soil was shipped off-site and replaced with clean, imported fill are shown in *italic font*. At locations where remediation involved excavation and re-compaction of native soil, the concentrations are shown in smaller font.

3.1. Concentrations of Analytes in Excess of the ESLs

To provide a standard process for determining whether COCs detected at a contaminated site will require additional evaluation, the RWQCB has established Environmental Screening Levels (**ESLs**) for many chemicals and for mixtures of chemicals such as gasoline and diesel (California Regional Water Quality Control Board San Francisco Bay Region 2008).

If the concentrations of COCs in soil or groundwater exceed the applicable ESLs it does not necessarily mean that active remediation of soil or groundwater is necessary or that additional corrective action measures beyond the scope of those already taken would be required. It simply means that in the case of an un-remediated site, additional evaluation is required to determine whether or not remediation measures must be implemented. In the case of the Oak Walk property, at which the remediation program is complete, comparison of the COCs remaining in situ with the applicable ESLs simply identify soil and groundwater in which the COCs remain elevated but, due to the implementation of the corrective action program, no longer pose unacceptable risk.

The RWQCB has found that shallow groundwater in the region of the Oak Walk Site is not a source of drinking water (California Regional Water Quality Control Board - San Francisco Bay Region 1999). Given that finding and because there are both residential and commercial structures on the Oak Walk Site, the applicable ESLs are those developed for residential sites where the groundwater is not a current or potential source of drinking water. In the case of contaminants in soils, there are separate ESLs for shallow soils (*i.e.,* soil at depth less than 3 meters (9.84 ft. BGS) and for deep soils (*i.e.,*

at depths greater than 9.84 ft). The applicable ESLs for the COCs at the Oak Walk Site for soil and groundwater are compiled in Tables 8 (shallow soils) and 9 (deep soils).

The results of analyses of soil and groundwater that indicated the presence of contaminants of concern at concentrations in excess of the applicable ESLs are shown in **bold font** in Tables 1, 2, 3, 5, 6 and 7. (**Note:** Although they are located slightly deeper than 9.84 ft., DEC conservatively considered soil at depths up to 10 ft. to be "shallow" when preparing the Tables.)

3.2 Comingling of Fuel Hydrocarbons and Paint Solvents

Comingling of different petroleum products from the different sources that migrated across the Oak Walk Site complicate an interpretation of which areas of the site were affected by discharges from those different sources. However, it has been possible to reach an understanding of the distribution of petroleum compounds that fall within different ranges of carbon-chain length and to delineate areas affected by chemicals of particular concern, such as benzene. Figures 18 through 23 provide visual representations of those distributions. To construct those visualizations, DEC considered petroleum hydrocarbons that fall into the middle-distillate range separately from hydrocarbons that fall into the gasoline range.

The middle-distillate range hydrocarbons include diesel, mineral spirits and the heavier fraction of paint solvents. The gasoline range hydrocarbons include gasoline fuel, including its components that are of specific concern such as benzene, toluene, ethyl benzene and xylene isomers, as well as lighter fractions of paint solvents. However, paint solvents do not generate chromatographic patterns that are characteristic of fuel hydrocarbons. This makes it possible to distinguish samples of soil and groundwater affected by fuel hydrocarbons from those affected solely by paint solvents.

As part of the site characterization program for the Oak Walk Site, SJC made a study of site-specific hydrogeologic and chemical parameters that could be used to differentiate between areas of the property that had been affected solely by paint solvents as opposed to areas where a comingling of paint solvents and fuel hydrocarbons are present That study showed that components of mineral spirits and other paint solvents, including the gasoline-range components of those products, emanating from the Frank Dunne and Boysen Paint Sites were present over essentially the whole area of the Oak Walk Site. However, study of chromatograms from analyses of the gasoline-range compounds in groundwater samples recovered from wells located in the approximate northern half of the site were not consistent with the fuel gasoline (The San Joaquin Company Inc. 2005).

However, groundwater samples recovered from wells located in a substantial portion of the southern half of the Site contained significant concentrations of the BTEX compounds. This indicates that the source of at least a portion of the gasoline-range hydrocarbons in that area were released from either the Celis or SFFBC fuel tanks. This finding was supported by the presence of MTBE in groundwater in that area. For example, the sample of groundwater recovered on March 14, 2010 from Monitoring Well

MW-2, which, as is shown on Figure 4, is located a few feet to the south of the 40th Street frontage of the Oak Walk Site, contained diesel, mineral spirits and gasoline at concentrations of 780 μg/L, 870 μg/L and 8,300 μg/L, respectively. That information alone does not permit a conclusion that the groundwater at Monitoring Well MW-2 contains fuel hydrocarbons. However, the fact that the sample recovered from that well contained benzene at a concentration of 1,500 μg/L together with toluene at 47 μg/L, ethylbenzene at 740 μg/L, total xylene isomers at 740 μg/L and MTBE at 74 μg/L is evidence that the fuel gasoline is present at that location and is comingled with the paint solvents that include mineral spirits.

Figure 18 shows the area of the Oak Walk Site where soil or groundwater is affected by middle distillate-range hydrocarbons regardless of whether the source of those compounds is from tanks containing fuel hydrocarbons or paint solvents.

Figure 19 shows the area of the Oak Walk Site where gasoline-range petroleum hydrocarbons affect the soil and groundwater. That area extends over almost the whole of the Site. This is reflective of the commingling of gasoline fuel released at the Celis and SFFBC Sites with the high concentrations of gasoline-range compounds in the paint solvents that migrated down the groundwater gradient from the Dunne and/or Boysen Paint Sites to the east of Adeline Street.

3.3 Middle Distillate-range Petroleum Hydrocarbons in Groundwater

Isocons of middle distillate range hydrocarbons on the Oak Walk Site are shown on Figure 20. A substantial portion of those COCs were released at the Frank Dunne and Boysen Paint Sites and carried onto the Oak Walk property from the east in two streams that correspond with the paleo streambeds shown on Figure 3. There they comingled with the diesel that leaked from the underground storage tanks formerly located on the Celis site which was situated beneath 40th. Street where in joins the eastern side of San Pablo Avenue.

The highest concentrations detected in March 2010 were present in the sample recovered from Monitoring Well MW-16 that contained TPHms at 4,000 μg/L and TPHd at 2,000 μg/L. An area where groundwater was affected by middle distillate petroleum hydrocarbons at concentration in excess of 1,000 μg/L extended in a band westward from there across San Pablo Avenue.

3.4 Gasoline-range Petroleum Hydrocarbons in Groundwater

Isocons of gasoline range hydrocarbons on the Oak Walk Site are shown on Figure 21. As is the case for middle distillate hydrocarbons, a significant portion of those COCs were released in the form of solvent products at the Frank Dunne and Boysen Paint Sites and carried onto the Oak Walk property from the east where they comingled with gasoline fuel that leaked from the underground storage tanks formerly located on the Celis Site.

The highest concentration of gasoline-range hydrocarbons detected in the March 2010 monitoring round was 38,000 μg/L in groundwater in Monitoring Well MW-16A. High concentrations of those compounds were also present in Monitoring Wells MW-16B at 9,800 μg/L and in MW-2 at 8,300 μg/L.

3.4.1 Distribution of BTEX Compounds

No BTEX compounds in excess of their ESLs were detected in groundwater recovered from any of the wells on the Oak Walk Site during the March 2010 monitoring round except for the case of Monitoring Wells MW-2, MW-16A and MW-16B. However, the concentration of benzene in Monitoring Well MW-16A was at the unusually high level of 11,000 μg/L and it was also present at high concentrations (5,200 μg/L and 1,500 μg/L respectively) in Monitoring Wells MW-16B and MW-2.

The isocons for benzene on the Oak Walk Site are shown on Figure 22. They have the form of a confined elliptical plume centered around Monitoring Well MW-16A.

3.4.2 Distribution of MTBE

The only fuel oxygenate detected in groundwater recovered from the Oak Walk Site during the March 2010 monitoring round was MTBE. None was present at a concentration in excess of its ESL. The area of the Oak Walk Site that is affected by MTBE in groundwater is shown on Figure 23. The boundaries of that area provide a good indication of the extent to which gasoline fuel leaking from the Celis tanks affected the site. (**Note:** The SFFBC tanks were removed from the underground prior to the 1992 mandated use of MTBE in gasoline fuel.)

3.5 Distribution of Polynuclear Aromatic Compounds and Other Analytes

Tables 1 and 5 also show that there are a few instances where the polynuclear aromatic compounds (**PNA**s), naphthalene and 2-methyl-naphthalene, were present in soil and groundwater beneath the Oak Walk Site. Those PNAs may be components of diesel fuel or of industrial solvents. At the Oak Walk Site, they were at their highest concentrations in groundwater in samples recovered on May 19, 2004 and from Monitoring Wells MW-2 and MWT-2 (see Figure 4 for locations), which suggests that they are principally associated with diesel released from the former Celis service station site. Some very low concentrations of PNAs were detected in some soil samples from more widely-dispersed locations, but the preponderance of those additional detections was also in areas that were affected by fuel hydrocarbons.

3.6 Integration of Groundwater-quality Data from Oak Walk and Celis Wells

Isocons of the concentrations of diesel-range hydrocarbons, gasoline-range hydrocarbons and benzene in groundwater derived by integrating the data recovered from the groundwater monitoring wells at both the Oak Walk and Celis Sites in March 2010 are

shown on Figures 24 through 26, respectively. Figure 27 shows the area where MTBE is present at both sites.

4.0 FUTURE GROUNDWATER-QUALITY MONITORING

As called for by the approved CAP, a one-year duration groundwater-quality monitoring program is planned for the Oak Walk Site that will employ the extant 18-well array of groundwater-quality monitoring wells shown on Figure 4.

Based on consideration of the criteria established by California State Water Resources Control Board Resolution No. 2009-0042 (California State Water Resources Control Board 2009) and following discussion with the RWQCB Case Officer, the next round of groundwater-quality monitoring at the Oak Walk site is planned for September 2010.

5.0 REFERENCES

Alameda County Environmental Health Care Services (2006), Letter: *TOXICS Case RO0002733, Oak Walk Redevelopment Site, Emeryville, CA 94608.* From Barney M. Chan, Hazardous Materials Specialist to Mr. Peter Schellinger, Bay Rock Residential and Mr. John Tibbits. Dated December 1, 2006.

American Society for Testing and Materials International (2006), *D543-06 Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents*. American Society for Testing and Materials, West Conshohocken, Pennsylvania. 2006.

American Society for Testing and Materials International (2004), *ASTM D4491 - 99a(2004)e1 Standard Test Methods for Water Permeability of Geotextiles by Permittivity*. American Society for Testing and Materials, West Conshohocken, Pennsylvania. 2004.

American Society for Testing and Materials (2002), *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites*. American Society for Testing and Materials, West Conshohocken, Pennsylvania. 2002.

Aqua Science Engineers, Inc. (2005a), *Report of Additional Soil and Groundwater Assessment, ASE Job No. 3976, at Kozel Property, 1001 42nd Street, Oakland, California*. October 28, 2005.

Aqua Science Engineers, Inc. (2005b), *Report of Soil and Groundwater Assessment, ASE Job No. 3976, at Kozel Property, 1001 42nd Street, Oakland, California*. January 19, 2005.

Block Environmental Services (1999), *Evaluation of Site Contamination and Recent Groundwater Sampling, ONE, Dunne Paints, California Linen, Oakland/Emeryville, California*. Prepared for O.N.E. Color Communications. February 25, 1999.

California Regional Water Quality Control Board San Francisco Bay Region (2008), *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. California Regional Water Quality Control Board San Francisco Bay Region INTERIM FINAL. November 2007 (Revised May 2008).

California Regional Water Quality Control Board - San Francisco Bay Region (1999), *East Bay Plane Groundwater Basin Beneficial Use Evaluation Report - Alameda and Contra Costa Counties, CA.,* California Regional Water Quality Control Board - San Francisco Bay Region Groundwater Committee. June 1999.

California State Water Resources Control Board (2009), *Resolution No. 2009-0042: Actions to Improve Administration of the Underground Storage Tank (UST) Cleanup Fund and UST Cleanup Program*. May 18, 2009.

Clayton Group Services (2007), *Workplan for Off-site Groundwater Investigation, Former Dunne Quality Paints, 1007 41st Street, Oakland, CA 94608*. Prepared for Green City Lofts and McGrath Properties. January 17, 2007.

Clayton Group Services (2005), *Green City Offsite Investigation.* Prepared for Green City Lofts. 2005.

Clayton Group Services (2004a), *Green City Offsite Investigation.* Prepared for Green City Lofts. 2004.

Clayton Group Services (2003), *Supplemental Investigation of the Former Dunne Paint Facility, 1007 41st Street in Oakland/Emeryville and 4050 Adeline Street in Emeryville, California.* Prepared for City of Emeryville. Dated June 10, 2003.

Clayton Group Services (2002), *Pre-development Investigation, Former Dunne Paints, 1007 41st Street in Oakland/Emeryville and 4050 Adeline Street in Emeryville, California.* Dated December 23, 2002.

Environmental Resource Management (2006), *Aegis, Limited Soil and Groundwater Investigation Report, Kozel Property, 1001 42nd Street, Oakland, California*. June 29, 2006.

GeoKinetics, Inc. (2008), *Common Questions and Answers Regarding the Use of Sub-Slab Membranes for VOC Mitigation*. Vapor Barrier Technology Memorandum. December 2008.

GeoKinetics, Inc. (2005), Letter Report: *Results of Benzene Diffusion Tests for Liquid Boot Membranes*. October 1, 2005.

Hageman-Aquiar, Inc. (1992), Report of Limited Soil Investigation, Frank W. Dunne Company, 1007 41st Street, Oakland, CA. June 22, 1992.

Lawrence Berkeley National Laboratory (1995), *Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkeley National Laboratory (LBNL)*. Berkeley, California. August 1995.

Levine-Fricke (1994), *Further Soil and Groundwater Investigation, Fuel Station, 40th Street Right-of-Way, Emeryville, California.* Prepared for Catellus Development Corporation. Dated March 1994.

Levine-Fricke (1993), *Phase II Investigation Results, Proposed 40th Street Right-of-Way, Emeryville, California.* Prepared for Catellus Development Corporation. Dated September 8, 1993.

Radbruch, Dorothy H. (1957), *Areal and Engineering Geology of the Oakland West Quadrangle, California,* Miscellaneous Geological Investigations Map I-239, United States Geological Survey, Washington, D.C.

SEACOR Science and Engineering Analysis Corporation (1992), *Results of Monitoring Well Installation and Sampling, 4070 San Pablo Avenue, Emeryville, California*. September 30, 1992.

The San Joaquin Company Inc. (2009a), *Groundwater Quality Monitoring Report - September 2009, Oak Walk Site, Emeryville, California*. December 2009

The San Joaquin Company Inc. (2009b), Remediation *Report, Oak Walk Redevelopment Site, Emeryville, California*. August 2009

The San Joaquin Company Inc. (2009c), *Geotechnical Engineering Inspection Report, Oak Walk Redevelopment Site, Emeryville, California*. February 2009.

The San Joaquin Company Inc. (2006a), *Addendum to Corrective Action Plan Oak Walk Redevelopment Site Emeryville, California.* November 2006.

The San Joaquin Company Inc. (2006b), *Corrective Action Plan, Oak Walk Redevelopment Site, Emeryville, California*. (*Vols. I and II.)* July 2006.

The San Joaquin Company Inc. (2005), *Environmental Site Characterization, Oak Walk Redevelopment Site, Emeryville, California*. April 2005.

The San Joaquin Company Inc. (2004a) Letter: *Subject: Subsurface Contamination Found at Oak Walk Redevelopment Site, Emeryville, Adjacent to Former Celis Service Station at 400 San Pablo Avenue, Case No.:567 RWQCB Case RO453/RO56,* from D. J. Watkins, Ph.D., P.E. to Mr. Barney Chan Alameda Environmental Health Care Services, Local Oversight Program. Dated August 12, 2004.

The San Joaquin Company Inc. (2004b), *Geotechnical Engineering Report: Oak Walk Project Site, Emeryville, California*. Letter Report prepared for Bay Rock Residential LLC. August 2004.

The San Joaquin Company Inc. (2004c), *Results of Preliminary Subsurface Investigation: The Oak Walk Site, Emeryville, California*. Letter Report prepared for Bay Rock Residential LLC. April 2004.

The San Joaquin Company Inc. (2003), *Corrective Action Report, SNK Andante Project, 3992 San Pablo Avenue, Emeryville, California*. Prepared for SNK Captec Andante LLC. August 2003.

URS Corporation (2009), *First Quarter 2008 Groundwater Monitoring at Former Celis' Alliance Service Station, 4000 San Pablo Avenue, Emeryville, California.* Prepared for the City of Emeryville Redevelopment Agency. Dated July 22, 2009.

URS Corporation (2007a), *Fourth Quarter 2007 Groundwater Monitoring at Former Celis' Alliance Service Station, 4000 San Pablo Avenue, Emeryville, California.* Prepared for the City of Emeryville Redevelopment Agency. Dated December 26, 2007.

URS Corporation (2007b), *Monitoring Well Installation at Former Celis' Alliance Service Station, 4000 San Pablo Avenue Emeryville, California.* Prepared for the City of Emeryville Redevelopment Agency. Dated August 29, 2007.

URS Corporation (2006), *Additional Investigation at Former Celis' Alliance Service Station, 4000 San Pablo Avenue Emeryville, California.* Prepared for the City of Emeryville Redevelopment Agency. Dated May 31, 2006.

Woodward-Clyde International-Americas (1998), Letter: Subject - Request for Site Closure Former Celis Alliance Fuel Station at 4000 San Pablo Avenue, Emeryville California. Emeryville, California, Xinggang Tong, PE to Ms Susan Hugo, Division of Environmental Health Services, Department of Environmental Health, Alameda County Health Agency. Dated October 15, 1998.

Woodward-Clyde Consultants (1997), *Third Quarter 1997 Groundwater Monitoring Results, Former Celis Alliance Fueling Station, 4000 San Pablo Avenue, Emeryville, California.* Prepared for City of Emeryville Redevelopment Agency. Dated November 13, 1997.

Woodward-Clyde Consultants (1995), *Report on Soil Remediation at the Former Celis Alliance Fueling Station, 4000 San Pablo Avenue, Emeryville, California.* Prepared for City of Emeryville Redevelopment Agency. Dated January 6, 1995.

TABLE 1

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TABLE 1

RESULTS OF ORGANIC CHEMICAL ANALYSES OF SOIL SAMPLES RECOVERED FROM THE OAK WALK SITE

			Petroleum Hydrocarbons			Other Volatile Organic Compounds																PNAs		
Sample ID	**Date Sampled**	**Depth BGS**	**Mineral Spirits**	**TPHd (Diesel)**	**TPHg (Gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**Acetone**	**2-Butanone**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**Isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-Propylbenzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**52 Other VOCs by 8260B GC/MS**	**Naphthalene**	**2-Methylnapthalene**	**15 Other PNAs by 8270C**
		ft.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	mg/Kg	mg/Kg
Trenches																								
T1 - 7.0	12/03/03	7.0	*na* [2]	*70* [16]	***530*** [5]	ND	ND	***8.3***	*4.7*	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T1 - 8.5	12/03/03	8.5	na	90	**1,400** [5]	ND	ND	**10**	1.9	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T2 - 6.5	12/03/03	6.5	na	ND	3.8 [5]	0.026	ND	0.024	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T2 - 8.5	12/03/03	8.5	na	1.5	**300** [5]	**1.1**	3.1	**6.4**	**27**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T3 - 8.0	12/03/03	8.0	na	4.3	6.4	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	ND	na	na
T3 - 9.5	12/03/03	9.5	na	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T4 - 10.5	12/03/03	10.5	na	ND	ND	ND	ND	ND	ND	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
T5 - 9.0	12/03/03	9	ND	70 [4]	**400**	ND	2.6	**6.1**	**36**	ND	na	na	ND	0.6	ND	0.88	ND	ND	3.9	25	7.6	ND	**4.1**	**1.8**	ND
T6 - 8.5	12/02/03	8.5	na	70	**3,000** [5]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T7 - 9.0	12/02/03	9.0	na	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T8 - 8.5	12/02/03	8.5	na	**150**	**820** [5]	ND	ND	ND	ND	ND	na	na	0.51	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
T9-S10-D 5.0	10/04/07	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S10-D 10.0	10/04/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S10-D 14.25	10/04/07	14.3	100	67	**19,000**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S30-D 5.0	10/05/07	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S30-D 10.0	10/05/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S30-D 14.0	10/05/07	14.0	14	8.9	**3,900**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S50-D 5.0	10/05/07	5.0	ND	12	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S50-D 10.0	10/05/07	10.0	99	75	**530**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S50-D 13.0	10/05/07	13.0	**900**	**600**	**7,600**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T9-S50-D 15.0	10/05/07	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-0S-5.0	09/21/07	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-0S-10.0	09/21/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-0S-15.0	09/21/07	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S21.5-17.0	09/21/07	17.0	**300**	**210**	**560**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S21.5-20.5	09/21/07	20.5	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S50-D 5.0	09/24/07	5.0	ND	3.8 [16]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S50-D 10.0	09/24/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S50-D 15.0	09/24/07	15.0	48	30	**350**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S55-D 17.0	09/24/07	17.0	ND	ND	2.2	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S75-D 5.0	09/24/07	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S75-D 10.0	09/24/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S75-D 15.0	09/24/07	15.0	**580**	**360**	**2,100**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S75-D 17.0	09/24/07	17.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S100-D 5.0	09/26/07	5.0	ND	2.3	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S100-D 10.0	09/26/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S100-D 15.0	09/26/07	15.0	**1,300**	**820**	**4,200**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S125-D 5.0	09/26/07	5.0	ND	2.9	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S125-D 10.0	09/26/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

			Petroleum Hydrocarbons			Other Volatile Organic Compounds																	PNAs		
Sample ID	**Date Sampled**	**Depth BGS**	**Mineral Spirits**	**TPHd (Diesel)**	**TPHg (Gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**Acetone**	**2-Butanone**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**Isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-Propylbenzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**52 Other VOCs by 8260B GC/MS**	**Naphthalene**	**2-Methylnapthalene**	**15 Other PNAs by 8270C**
		ft.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	mg/Kg	mg/Kg
T10-S125-D 15.0	09/26/07	15.0	ND	ND	2.1	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S150-D 5.0	09/26/07	5.0	2.2	6.2	2.6	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S150-D 10.0	09/26/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S150-D 15.0	09/26/07	15.0	**550**	**420**	**1,700**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T10-S150-D 19.0	09/26/07	19.0	ND	ND	6.9	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T11-5	08/08/07	5.0	ND	*9.2*	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T11-10	08/08/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
T11-15	08/08/07	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Borings and Wells																									
BE-1-5.0	04/02/04	5.0	62 [3]	ND	**540**	ND	ND	**5.1**	1.6	ND	ND	ND	8.4	3.1	ND	2.7	ND	0.29	13	12	3.8	ND [6]	**18**	**3.2**	ND [9]
BE-1-10.0	04/02/04	10.0	**130** [3]	ND	**3,600**	**13**	**140**	**80**	**430**	ND	ND	ND	3.7	ND	ND	1.4	ND	ND	6.2	32	12	ND	**7.5**	ND	ND
BE-1-13.5	04/02/04	13.5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
BE-1-15.0	04/02/04	15.0	ND	ND	7.9	0.096	0.029	0.12	0.6	0.011	ND	ND	0.014	ND	ND	ND	ND	ND	0.027	0.054	0.013	ND	0.12	ND	ND
BE-1-20.0	04/02/04	20.0	ND	ND	2.5	0.027	0.011	0.016	0.033	ND	0.031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-1-25.0	04/02/04	25.0	ND	ND	ND	ND	0.0053	ND	0.011	0.012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-2-5.0	04/02/04	5.0	*27* [3]	*ND*	***340***	***1.3***	*ND*	***5.7***	***26***	*ND*	*ND*	*ND*	*9.1*	*2.4*	*ND*	*2.5*	*ND*	*ND*	*12*	*37*	*14*	*ND*	***18***	***1.4***	*ND*
BE-2-10.0	04/02/04	10.0	24 [3]	ND	**820**	**7.4**	**33**	**16**	**87**	ND	ND	ND	3.3	ND	ND	1.3	ND	ND	5.7	29	10	ND	**6.8**	**0.31**	ND
BE-2-15.0	04/02/04	15.0	ND	2.5 [8]	5.0	0.052	ND	0.027	ND	0.075	0.14	ND	0.046	0.019	ND	0.0097	ND	ND	0.046	ND	ND	ND	ND	ND	ND
BE-2-20.0	04/02/04	20.0	ND	2.4 [7]	ND	ND	ND	ND	0.0086	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-2-25.0	04/02/04	25.0	ND	ND	ND	0.053	0.051	0.038	0.15	0.018	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	ND	ND	ND	ND
BE-3-5.0	04/02/04	5.0	ND	1.1 [8]	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-3-10.0	04/02/04	10.0	ND	ND	ND	ND	ND	ND	ND	ND	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-3-15.0	04/02/04	15.0	ND	1.3 [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-3-20.0	04/02/04	20.0	**190**	ND	**1,600** [5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-4-5.0	04/01/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-4-9.5	04/01/04	9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-4-14.5	04/01/04	14.5	ND	1.3 [8]	2.8	0.006	ND	0.047	0.024	ND	0.04	ND	0.081	0.027	ND	0.017	0.0099	ND	0.081	0.12	0.005	ND	0.086	ND	ND
BE-4-19.5	04/01/04	19.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-5-5.0	04/01/04	5.0	ND	4.5 [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-5-10.0	04/01/04	10.0	14	ND	**340** [5]	ND	ND	ND	ND	ND	ND	ND	0.092	0.046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-5-14.5	04/01/04	14.5	ND	2.5 [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-5-19.5	04/01/04	19.5	ND	12 [7]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
BE-6-4.0	04/01/04	4.0	ND	22 [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-6-9.5	04/01/04	9.5	ND	**1,200** [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0066	ND	ND
BE-6-15.0	04/01/04	15.0	ND	11 [8]	130 [5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BE-6-20.0	04/01/04	20.0	ND	4.9 [8]	2.6 [5]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
BG-1-5	04/06/04	5.0	ND	ND	*1.3*	ND	ND	ND	ND	ND	*0.046*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.1*	ND
BG-1-10	04/06/04	10.0	35 [3]	ND	**870**	ND	9.0	**13**	**75**	ND	ND	ND	2.6	ND	ND	1.1	ND	ND	4.4	23	8.1	ND	**4.2**	**3.5**	ND
BG-1-15	04/06/04	15.0	ND	3.7 [8]	**270**	1.1	0.99	**4.9**	**24**	ND	0.065	ND	0.028	ND	ND	ND	ND	ND	0.025	0.160	0.056	ND	0.055	ND	ND
BG-1-20	04/06/04	20.0	ND	ND	ND	0.0062	ND	ND	ND	0.005	0.044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG-1-25	04/06/04	25.0	ND	ND	ND	ND	ND	0.0051	0.023	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
BG-1-30	04/06/04	30.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BG-1-35	04/06/04	35.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

			Petroleum Hydrocarbons			Other Volatile Organic Compounds																	PNAs		
Sample ID	**Date Sampled**	**Depth BGS**	**Mineral Spirits**	**TPHd (Diesel)**	**TPHg (Gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**Acetone**	**2-Butanone**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**Isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-Propylbenzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**52 Other VOCs by 8260B**	**Naphthalene**	**2-Methylnapthalene**	**15 Other PNAs by 8270C**
		ft.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	GC/MS	mg/Kg	mg/Kg	mg/Kg
BG-2-5.0	04/06/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG-2-10.5	04/06/04	10.5	47 [3]	ND	**1,200**	ND	ND	**16**	**80**	ND	ND	ND	6.0	ND	ND	2.4	ND	ND	10	50	17	ND	**8.5**	**3.0**	ND
BG-2-15.0	04/06/04	15.0	ND	ND	ND	ND	ND	ND	ND	ND	0.028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG-2-18.0	04/06/04	18.0	ND	ND	ND	ND	ND	ND	ND	0.020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG-2-21.0	04/06/04	21.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG-2-25.0	04/06/04	25.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
BG-2-30.0	04/06/04	30.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
BG-2-35.0	04/06/04	35.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-1-4.0	04/02/04	4.0	ND	ND	ND	ND	ND	ND	*0.0063*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-1-11.5	04/02/04	11.5	74	ND	**2,400** [5]	ND	ND	ND	ND	ND	ND	ND	ND	0.023	0.022	ND	ND	ND	ND	ND	ND	ND	ND	**1.7**	ND
MWT-1-15.0	04/02/04	15.0	ND	2.8 [8]	ND	ND	ND	ND	ND	ND	ND	ND	0.0051	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-1-20 [11]	04/02/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-2-5.5	04/02/04	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-2-10.0	04/02/04	10.0	12 [3]	ND	**440**	ND	ND	2.3	6.8	ND	ND	ND	1.8	0.44	ND	0.500	ND	ND	2.4	10	3.8	ND	1.2	**0.93**	ND
MWT-2-15.0	04/02/04	15.0	ND	8.0 [8]	120	ND	ND	0.67	1.2	ND	0.099	0.027	0.035	0.0079	ND	0.0055	ND	ND	0.032	0.18	0.047	ND	0.08	0.14	ND
MWT-2-20.0	04/02/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-3-5.0	04/02/04	5.0	ND	*1.2* [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-3-10.0	04/02/04	10.0	ND	7.5 [8]	7.0 [5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-3-15.0	04/02/04	15.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-3-20.0	04/02/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-4-4.0	04/01/04	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-4-10.0	04/01/04	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-4-15.0	04/01/04	15.0	150	ND	120 [5]	ND	ND	ND	ND	ND	ND	ND	0.026	0.015	0.0094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-4-20.0	04/01/04	20.0	ND	2.4 [8]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-5-5.0	04/02/04	5.0	ND	1.3 [4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-5-10.0	04/02/04	10.0	ND	1.1 [4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-5-15.0	04/02/04	15.0	ND	7.0 [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-5-20.0	04/02/04	20.0	ND	7.6 [7]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-6-5.0	04/01/04	5.0	ND	2.1 [4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-6-10.5	04/01/04	10.5	51	ND	**860** [5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-6-14.5	04/01/04	14.5	ND	1.4 [8]	9.0 [5]	ND	ND	ND	ND	ND	0.064	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-6-19.5	04/01/04	19.5	ND	8.5 [8]	13 [5]	ND	ND	ND	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-7-5.0	04/01/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-7-10.0	04/01/04	10.0	ND	3.5 [8]	4.40 [5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-7-15.0	04/01/04	15.0	ND	3.4 [8]	7.20 [5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-7-20.0	04/01/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	0.088	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-8-5.5	04/02/04	5.5	ND	1.5 [4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-8-10.5	04/02/04	10.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-8-15.0	04/02/04	15.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-8-18.0	04/02/04	18.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-9-4.0	04/01/04	4.0	ND	3.3 [7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-9-9.5	04/01/04	9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-9-14.5	04/01/04	14.5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

			Petroleum Hydrocarbons			Other Volatile Organic Compounds																	PNAs		
Sample ID	**Date Sampled**	**Depth BGS**	**Mineral Spirits**	**TPHd (Diesel)**	**TPHg (Gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**Acetone**	**2-Butanone**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**Isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-Propylbenzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**52 Other VOCs by 8260B GC/MS**	**Naphthalene**	**2-Methylnapthalene**	**15 Other PNAs by 8270C**
		ft.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	mg/Kg	mg/Kg
MWT-9-19.5	04/01/04	19.5	ND	14 [4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-10-5.0	04/01/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-10-10.0	04/01/04	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-10-15.0	04/01/04	15.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-10-20	04/01/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-11-5	11/05/04	5.0	ND	1.1 [12]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-11-10	11/05/04	10.0	33 [13]	ND	**170** [14]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-11-15	11/05/04	15.0	ND	1.4 [12]	27 [14]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-11-19.5	11/05/04	19.5	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-12-5	11/05/04	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-12-10	11/05/04	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-12-15	11/05/04	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-12-19.5	11/05/04	19.5	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-13-5	11/05/04	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-13-10	11/05/04	10.0	40 [13]	ND	**520** [14]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-13-15	11/05/04	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-13-19	11/05/04	19.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-14-5	11/05/04	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-14-10	11/05/04	10.0	110 [13]	ND	**360** [14]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-14-15	11/05/04	15.0	12 [13]	ND	1.2 [14]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-14-19.5	11/05/04	19.5	15 [13]	ND	82 [14]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-2-5.0	04/07/04	5.0	29 [3]	ND	**860**	ND	ND	**19**	**87**	ND	ND	ND	2.9	ND	ND	0.098	ND	ND	4.4	27	9.8	ND	**7.2**	**1.1**	ND
MW-2-10.0	04/07/04	10.0	16 [3]	ND	**530**	ND	2.4	**9.2**	**47**	ND	ND	ND	2.1	ND	ND	0.77	ND	ND	3.4	21	7.4	ND	**5.0**	0.23	ND
MW-2-15.0	04/07/04	15.0	ND	ND	ND	0.03	ND	0.021	0.029	ND	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0085	ND	ND
MW-2-20.0	04/07/04	20.0	ND	ND	ND	ND	0.0062	ND	0.037	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3-5.0	04/07/04	5.0	Lost	Core																					
MW-3-10.0	04/07/04	10.0	Lost	Core																					
MW-3-14.0	04/07/04	14.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3-20.0	04/07/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4-5.5	04/30/04	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4-10.5	04/30/04	10.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4-15.5	04/30/04	15.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4-19.5	04/30/04	19.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5-6.0	04/30/04	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5-10.0	04/30/04	10.0	27	ND	**1,000** [5]	ND	ND	0.55	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5-15.5	04/30/04	15.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5-19.5	04/30/04	19.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6-5.0	04/07/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6-10.0	04/07/04	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6-15.0	04/07/04	15.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-6-20.0	04/07/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6A-5.0 [15]	09/27/08	5.0	ND [2]	11	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-6A-10.0	09/27/08	10.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

			Petroleum Hydrocarbons			Other Volatile Organic Compounds																	PNAs		
Sample ID	**Date Sampled**	**Depth BGS**	**Mineral Spirits**	**TPHd (Diesel)**	**TPHg (Gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**Acetone**	**2-Butanone**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**Isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-Propylbenzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**52 Other VOCs by 8260B**	**Naphthalene**	**2-Methylnapthalene**	**15 Other PNAs by 8270C**
		ft.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	GC/MS	mg/Kg	mg/Kg	mg/Kg
MW-6A-15.0	09/27/08	15.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-6A-20.0	09/27/08	20.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-7-5.0	04/06/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-7-10.0	04/06/04	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-7-15.0	04/06/04	15.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-7-20.0	04/06/04	20.0	ND	7.9 [4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-8-5.0	04/07/04	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-8-10.0	04/07/04	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-8-15.0	04/06/04	15.0	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-8-20.0	04/06/04	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-9-5.0	09/27/08	5.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-9-10.0	09/27/08	10.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-9-15.0	09/27/08	15.0	ND	ND	6.5	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-9-20.0	09/27/08	20.0	ND	ND	2.7	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-10-5.0	09/27/08	5.0	ND	ND	0.92	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-10-10.0	09/27/08	10.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-10-15.0	09/27/08	15.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-10-20.0	09/27/08	20.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-11-5.0	09/27/08	5.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-11-10.0	09/27/08	10.0	79	47	**540** [3]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-11-15.0	09/27/08	15.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-11-20.0	09/27/08	20.0	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-12-5.0	02/09/09	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-12-10.0	02/09/09	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-12-15.0	02/09/09	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-12-20.0	02/09/09	20.0	ND	ND	1.0	0.086	0.0075	0.036	0.046	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-13-5.0	02/09/09	5.0	ND	3.9	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-13-10.0	02/09/09	10.0	93	110	3.3	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-13-15.0	02/09/09	15.0	ND	1.3	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-13-20.0	02/09/09	20.0	2.7	2.8	2.3	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-14-5.0	02/09/09	5.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-14-10.0	02/09/09	10.0	2,400	**1,700**	**5,600**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-14-15.0	02/09/09	15.0	ND	ND	2.5	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-14-20.0	02/09/09	20.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-15-5.0	02/09/09	5.0	1.2	15	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-15-10.0	02/09/09	10.0	2.3	1.6	1.6	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-15-15.0	02/09/09	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-15-20.0	02/09/09	20.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16A-5.0	02/09/09	5.0	9.4	8.8	8.5	**0.22**	ND	0.21	0.17	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16A-10.0	02/09/09	10.0	13	11	**860**	**6.0**	**13**	**12**	**56**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16A-15.0	02/09/09	15.0	ND	ND	2.0	0.10	0.019	0.027	0.055	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16A-20.0	02/09/09	20.0	Lost	Core																					
MW-16B-5.0	02/10/09	5.0	Lost	Core																					
MW-16B-10.0	02/10/09	10.0	49	43	**590**	**2.9**	8.6	**8.4**	**44**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

			Petroleum Hydrocarbons			Other Volatile Organic Compounds																	PNAs		
Sample ID	**Date Sampled**	**Depth BGS**	**Mineral Spirits**	**TPHd (Diesel)**	**TPHg (Gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**Acetone**	**2-Butanone**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**Isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-Propylbenzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**52 Other VOCs by 8260B**	**Naphthalene**	**2-Methylnapthalene**	**15 Other PNAs by 8270C**
		ft.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	**GC/MS**	mg/Kg	mg/Kg	mg/Kg
MW-16B-15.0	02/10/09	15.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16B-20.0	02/10/09	20.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16B-25.0	02/10/09	25.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C-5.0	02/10/09	5.0	ND	1.9	1.7	0.12	ND	0.15	0.060	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C-10.0	02/10/09	10.0	42	29	**2,300**	**9.6**	17	**30**	**160**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C-15.0	02/10/09	15.0	ND	ND	6.1	0.13	0.12	0.11	0.54	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C-20.0	02/10/09	20.0	ND	ND	ND	ND	ND	ND	0.014	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C-25.0	02/10/09	25.0	ND	ND	0.39	0.0075	0.012	0.0090	0.038	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C-30.0	02/10/09	30.0	ND	ND	0.40	0.0076	0.011	0.0091	0.038	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Groundwater Extraction Pit																									
GEP-1-5.0	09/26/07	5.0	ND	6.7	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
GEP-1-10.0	09/26/07	10.0	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
GEP-1-15.0	09/26/07	15.0	**310**	**220**	**3,900**	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Concentrations in bold script exceed the 2008 San Francisco Bay Area RWQCB's Residential Environmental Screening Levels in shallow or deep soils, as appropriate, where groundwater is not a source of drinking water.

Notes:

(1) ND = Not Detected above the Method Detection Limit (MDL).
(2) na = Not analyzed
(3) The laboratory reports that the detected hydrocarbon does not match its mineral spirits standard.
(4) The laboratory reports that the detected hydrocarbon does not match its Diesel standard.
(5) The laboratory reports that the detected hydrocarbon does not match its standard for gasoline.
(6) Laboratory Method EPA 8260B analyzes for 108 Volatile Organic Compounds. Only those found are listed separately in this table.
(7) The laboratory reports that the compound reported reflects individual or discrete unidentified peaks detected in the diesel range; the pattern does not match a typical fuel standard.
(8) The laboratory reports that the hydrocarbon reported is in the early Diesel range and does not match the laboratory's Diesel standard.
(9) Laboratory Method EPA 8270C analyzes for 17 Polynuclear Aromatics. Only those found are listed separately in this table.
(10) Concentrations in **bold** script exceed the 2008 San Francisco Bay Area RWQCB's Environmental Screening Levels in shallow or deep soils, as appropriate, where groundwater is not a source of drinking water.
(11) MWT-1-20.0 was also analyzed for 65 Semi-volatile chemicals by GC/MD - EPA8270C. None were detected in the sample.
(12) Quantity of unknown hydrocarbon(s) in sample based on Diesel
(13) Quantity of unknown hydrocarbon(s) in sample based on Mineral Spirits
(14) Quantity of unknown hydrocarbon(s) in sample based on Gasoline
(15) When first drilled, MW-6A was designated MW-17.
(16) Concentrations of chemicals of concern that were detected in samples recovered from locations where soil has since been shipped off site are shown in *italic font*. At locations where the undisturbed in situ soil was excavated and the areas were restored with engineered fill derived from on-site soil, the concentrations are shown in smaller font.

TABLE 2

DEC

TABLE 2

HEAVY METALS IN NATIVE AND IMPORTED SOIL
OAK WALK SITE

Sample No.	Date Sampled	Depth BGS ft.	Anti-mony mg/Kg	Ar-senic mg/Kg	Bar-ium mg/Kg	Beryl-lium mg/Kg	Cad-mium mg/Kg	Chro-mium III mg/Kg	Chro-mium VI mg/Kg	Cobalt mg/Kg	Copper mg/Kg	Lead mg/Kg	Molyb-denum mg/Kg	Nickel mg/Kg	Sele-nium mg/Kg	Silver mg/Kg	Thal-lium mg/Kg	Vana-dium mg/Kg	Zinc mg/Kg	Mer-cury mg/Kg
BE-4-5.5	04/01/04	5.5	ND [1]	***2.6*** [3]	*110*	ND	ND	*27*	na	*2.6*	*17*	*4.3*	ND	*24*	ND	ND	ND	***22*** [3]	*31*	ND
BE-1-13.5	04/02/04	13.5	ND	1.3	110	ND	ND	35	ND	4.9	12	4.1	ND	46	ND	ND	ND	24	28	0.053
BE-3-19.5	04/02/04	19.5	ND	2.1	150	ND	ND	30	na	6.9	19	5.4	ND	26	ND	ND	ND	25	32	ND
Los Altos	08/21/07	19.5	na	na	na	na	ND	88	na	na	na	ND	na	63	na	na	na	na	28	na

Concentrations in bold script exceed the 2008 San Francisco Bay Area RWQCB's Residential Environmental Screening Levels in shallow or deep soils, as appropriate, where groundwater is not a source of drinking water.

Notes:

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(1) ND = Not Detected above the Method Detection Limit (MDL). na = not analyzed

(2) Concentrations of chemicals of concern that were detected in samples recovered from locations where soil has since been shipped off site are shown in *italic font* . At locations where the undisturbed in situ soil w excavated and the areas were restored with engineered fill derived from on-site soil, the concentrations are shown in smaller font.

(3) No heavy metals were detected at concentrations greater than those that are typical of their natural presence in the alluvial materials that originated in the Oakland Hills to the east of the subject site (Lawrence Berkeley National Laboratory 1995, Bradford, et al 1996).

DEC

TABLE 3

DEC

TABLE 3

RESULTS OF ANALYSES OF SOIL SAMPLES RECOVERED FROM OFF-SITE LOCATIONS

Sample ID	Date Sampled	Sample Depth *ft. BGS*	TRPH mg/Kg	Motor Oil mg/Kg	Mineral Spirits mg/Kg	TPHd mg/Kg	Kero-sene mg/Kg	TPHg mg/Kg	Ben-zene mg/Kg	Tolu-ene mg/Kg	Ethyl Benzene mg/Kg	Total Xylenes mg/Kg	p-isopro-pyltoluene mg/Kg	Ace-tone mg/Kg	tert-Butyl-benzene mg/Kg	sec-Butyl-benzene mg/Kg	Naph-thalene mg/Kg	Other VOCs mg/Kg	PCBs mg/Kg	Lead mg/Kg
Borings for Dunne Paint Site [3,4,5]																				
HAB-1-4	06/10/92	4.0	na [11]	ND [10]	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-1-7	06/10/92	7.0	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-2-4	06/10/92	4.0	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-2-7	06/10/92	7.0	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-3-4	06/10/92	4.0	na	ND	4.9	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-3-7	06/10/92	7.0	na	ND	1.5	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-4-4	06/10/92	4.0	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-4-7	06/10/92	7.0	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-5-4	06/10/92	4.0	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-5-7	06/10/92	7.0	na	ND	17	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-6-4	06/10/92	4.0	na	ND	3.4	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
HAB-6-7	06/10/92	7.0	na	ND	**620**	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
CDB-1@11	11/04/02	11.0	na	ND	na	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-2@6	11/04/02	6.0	na	ND	na	**160** [12]	na	94 [12]	ND	ND	ND	ND	ND	ND	ND	ND	0.025	ND	na	7.3
CDB-2@16	11/04/02	16.0	na	ND	na	13 [12]	na	**210** [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-3@3	11/04/02	3.0	na	ND	na	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	15
CDB-3@13	11/04/02	13.0	na	ND	na	37 [12]	na	**250** [12]	ND	ND	ND	ND	ND	ND	ND	0.115	0.048	1,2,4 trimethylben-zene 0.740	na	ND
CDB-4@10	11/04/02	10.0	na	ND	na	52 [12]	na	74 [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	hexachlorobuta-diene 0.092	na	ND
CDB-5@3	11/04/02	3.0	na	ND	na	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	24
CDB-5@13	11/04/02	13.0	na	ND	na	21 [12]	na	**180** [12]	ND	ND	ND	ND	ND	ND	ND	ND	0.413	ND	na	ND
CDB-6@9	11/04/02	9.0	na	ND	na	38 [12]	na	**440** [12]	ND	ND	ND	ND	ND	ND	0.0063	ND	0.081	ND	na	ND
CDB-7@4	11/04/02	4.0	na	5.5	na	**120** [12]	na	**250** [12]	ND	ND	ND	ND	ND	ND	ND	0.017	ND	ND	na	24
CDB-7@12	11/04/02	12.0	na	ND	na	76 [12]	na	**130** [12]	ND	ND	ND	ND	ND	ND	ND	ND	0.060	ND	na	ND
CDB-7@23	11/04/02	23.0	na	ND	na	7.0 [12]	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-8@5	11/04/02	5.0	na	ND	na	130 [12]	na	**230** [12]	ND	ND	ND	ND	ND	ND	0.027	ND	ND	ND	na	3.0
CDB-8@17	11/04/02	17.0	na	ND	na	40 [12]	na	130 [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-9@6	11/05/02	6.0	na	ND	na	4.8 [12]	na	6.2 [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	6.7
CDB-9@14	11/05/02	14.0	na	ND	na	100 [12]	na	**513** [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND

Sample ID	Date Sampled	Sample Depth *ft. BGS*	TRPH mg/Kg	Motor Oil mg/Kg	Mineral Spirits mg/Kg	TPHd mg/Kg	Kero-sene mg/Kg	TPHg mg/Kg	Ben-zene mg/Kg	Tolu-ene mg/Kg	Ethyl Benzene mg/Kg	Total Xylenes mg/Kg	p-isopro-pyltoluene mg/Kg	Ace-tone mg/Kg	tert-Butyl-benzene mg/Kg	sec-Butyl-benzene mg/Kg	Naph-thalene mg/Kg	Other VOCs mg/Kg	PCBs mg/Kg	Lead mg/Kg
CDB-10@6	11/05/02	6.0	na	ND	na	**3,500** [12]	na	**3,600** [12]	ND	ND	1.0	ND	ND	ND	ND	0.550	**14**	Isopropylbenzene 710 n-Propylbenzene 1,200 1,2,4-Trimethylbenzene 1,400	na	6.1
CDB-10@9	11/05/02	9.0	na	ND	na	**220** [12]	na	**380** [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-10@25	11/05/02	25.0	na	ND	na	1.1 [12]	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-11@3	11/05/02	3.0	na	ND	na	**4,300** [12]	na	**2,500** [12]	ND	ND	**3,500**	ND	ND	ND	ND	ND	**4,600**	n-Propylbenzene 2,000 1,2,4-Trimethylbenzene 8,600 1,2,5-Trimethylbenzene 4,200	na	100
CDB-11@10	11/05/02	10.0	na	ND	na	**720** [12]	na	**1,800** [12]	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	na	ND
CDB-11@16	11/05/02	16.0	na	51	na	**510** [12]	na	**2,100** [12]	ND	ND	ND	ND	ND	ND	ND	ND	**3.2**	ND	na	ND
CDB-12@3	11/05/02	3.0	na	ND	na	1.6	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	**280**
CDB-13@14	11/05/02	14.0	na	ND	na	160 [12]	na	**400** [12]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	ND
CDB-14@3	11/05/02	3.0	na	24	na	9.4	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	ND	na	130
CDB-16@3	11/05/02	3.0	na	28	na	6.0	na	7.4 [12]	ND	ND	ND	ND	ND	ND	ND	ND	0.012	ND	na	5.0
OB-2	06/30/03	10.5	na	na	**160**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OB-10	06/30/03	10.0	na	na	**430**	na	na	na	na	na	na	na	na	ND	na	ND	ND	na	na	na
B-1-3.5	02/10/05	3.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-1-7.5	02/10/05	7.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-1-11.5	02/10/05	11.5	na	na	180	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-2-3.5	02/10/05	3.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-2-7.5	02/10/05	7.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-2-12.5	02/10/05	12.5	na	na	9.6	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-3-3.5	02/10/05	3.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-3-7.5	02/10/05	7.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-3-11.5	02/10/05	11.5	na	na	**330**	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-4-3.5	02/10/05	3.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-4-7.5	02/10/05	7.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-4-11.5	02/10/05	11.5	na	na	**1,600**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-4-13.5	02/10/05	13.5	na	na	**1,400**	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-5-3.5	02/10/05	3.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-5-7.5	02/10/05	7.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-5-11.5	02/10/05	11.5	na	na	**4,900**	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-5-13.5	02/10/05	13.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-6-3.5	02/10/05	3.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-6-7.5	02/10/05	7.5	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-6-11.5	02/10/05	11.5	na	na	**380**	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-6-13.5	02/10/05	13.5	na	na	**260**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Sample ID	Date Sampled	Sample Depth *ft. BGS*	TRPH mg/Kg	Motor Oil mg/Kg	Mineral Spirits mg/Kg	TPHd mg/Kg	Kero-sene mg/Kg	TPHg mg/Kg	Ben-zene mg/Kg	Tolu-ene mg/Kg	Ethyl Benzene mg/Kg	Total Xylenes mg/Kg	p-isopro-pyltoluene mg/Kg	Ace-tone mg/Kg	tert-Butyl-benzene mg/Kg	sec-Butyl-benzene mg/Kg	Naph-thalene mg/Kg	Other VOCs mg/Kg	PCBs mg/Kg	Lead mg/Kg
Borings for Boysen Paint Site [3,5,9]																				
BH-A	2004	11.5	na	na	8.3	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-B	2004	11.5	na	na	**130**	na	na	na	ND	ND	ND	ND	ND	0.086	ND	ND	ND	ND	na	na
BH-C	2004	14.5	na	na	13	na	na	na	ND	ND	ND	ND	ND	0.052	ND	ND	ND	ND	na	na
BH-D	2004	15.5	na	na	5.4	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-E	2004	15.5	na	na	2.0	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-F	2004	19.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-G	2004	19.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-H	2004	7.5	na	na	14	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-I	2004	1.0	na	na	6.6	na	na	na	ND	ND	ND	ND	0.040	ND	0.015	0.040	0.040	ND	na	na
BH-J	2004	11.5	na	na	2.3	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-K	2004	15.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-L	2004	19.5	na	na	1.2	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-M	2004	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-N	2004	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-O	2004	20.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-P	2004	7.5	na	na	**140**	na	na	na	ND	ND	ND	ND	ND	0.085	0.0074	ND	ND	ND	na	na
BH-Q	2004	19.5	na	na	27	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-R	2004	11.5	na	na	14	na	na	na	ND	ND	ND	ND	ND	0.130	0.010	ND	ND	ND	na	na
BH-S	2004	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	0.0056	ND	ND	ND	na	na
BH-T	2004	11.5	na	na	6.6	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-U	2004	7.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-V	2004	11.5	na	na	12	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	2004	25.5	na	na	3.3	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-W	2004	7.5	na	na	24	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na

Sample ID	Date Sampled	Sample Depth	TRPH	Motor Oil	Mineral Spirits	TPHd	Kero-sene	TPHg	Ben-zene	Tolu-ene	Ethyl Benzene	Total Xylenes	p-isopro-pyltoluene	Ace-tone	tert-Butyl-benzene	sec-Butyl-benzene	Naph-thalene	Other VOCs	PCBs	Lead
		ft. BGS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
BH-X	2004	11.5	na	na	5.8	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-Y	2004	8.5	na	na	44	na	na	na	ND	ND	ND	ND	0.036	0.067	ND	ND	ND	ND	na	na
BH-Z	2004	11.5	na	na	51	na	na	na	ND	ND	ND	ND	0.026	0.100	ND	ND	0.028	ND	na	na
BH-AA	2004	11.5	na	na	**1,100**	na	na	na	ND	ND	ND	ND	0.058	ND	ND	ND	ND	ND	na	na
BH-BB	2004	11.5	na	na	**320**	na	na	na	ND	ND	ND	ND	0.017	ND	ND	ND	ND	ND	na	na
BH-CC	2004	11.5	na	na	31	na	na	na	ND	ND	ND	ND	0.032	ND	ND	ND	ND	ND	na	na
	2004	19.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-DD	Aug. 2005	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-EE	Aug. 2005	3.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	23.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-FF	Aug. 2005	3.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	23.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-GG	Aug. 2005	5.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	19.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-HH	Aug. 2005	5.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	11.5	na	na	7.1	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-II	Aug. 2005	14.5	na	na	19	na	na	na	ND	ND	ND	ND	ND	0.056	ND	ND	ND	ND	na	na
	Aug. 2005	24.5	na	na	7.1	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	34.5	na	na	7.1	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-JJ	Aug. 2005	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	15.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-KK	Aug. 2005	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	23.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-LL	Aug. 2005	11.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	23.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-MM	Aug. 2005	11.5	na	na	56	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	15.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
BH-NN	Aug. 2005	11.5	na	na	15	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
	Aug. 2005	15.5	na	na	ND	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-1-11.5	05/30/06	11.5	ND	ND	55	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-1-14	05/30/06	14	ND	ND	**110**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-2-7	05/30/06	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-2-15	05/30/06	15.0	ND	ND	ND	ND	ND	0.12	ND	0.00052	ND	ND	ND	0.020	ND	ND	ND	ND	na	na

Sample ID	Date Sampled	Sample Depth	TRPH	Motor Oil	Mineral Spirits	TPHd	Kero-sene	TPHg	Ben-zene	Tolu-ene	Ethyl Benzene	Total Xylenes	p-isopro-pyltoluene	Ace-tone	tert-Butyl-benzene	sec-Butyl-benzene	Naph-thalene	Other VOCs	PCBs	Lead
		ft. BGS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
B-3-7	05/30/06	7.0	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-4-7	05/30/06	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
B-5-7	05/30/06	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na
Borings and Confirmation Sampling for Celis Site [1,2,6]																				
LF-LFMW-1	07/08/93	4.5	77	16	na	**220**	na	**550**	0.84	1.2	5.6	2.7	na	na	na	na	na	na	na	na
	07/08/93	9.5	ND	ND	na	18	na	**470**	0.97	ND	6.6	8.9	na	na	na	na	na	na	na	na
	07/08/93	14.5	60	ND	na	16	na	8.4	0.14	0.17	0.081	0.37	na	na	na	na	na	na	na	na
LF-LFMW-2	07/08/93	9.5	30	ND	na	14	na	ND	4.7	35	13	68	na	na	na	na	na	na	na	na
	07/08/93	14.5	ND	ND	na	ND	na	75	0.009	0.012	ND	0.015	na	na	na	na	na	na	na	na
LF-LFMW-3	07/08/93	9.5	37	ND	na	ND	na	ND	0.062	0.28	1.1	1.1	na	na	na	na	na	na	na	na
	07/08/93	14.5	ND	ND	na	ND	na	**850**	0.014	ND	0.01	0.007	na	na	na	na	na	na	na	na
LF-LFMW-4	01/28/94	5	na	ND	na	ND	na	0.8	0.083	ND	ND	0.034	na	na	na	na	na	na	na	na
	01/28/94	10	na	ND	na	19	na	**220**	1.7	6.7	4.5	24	na	na	na	na	na	na	na	na
WC N-1	8/14/1994	8.0	ND	na	na	21	na	**920**	**2.6**	**21**	**11**	**57**	na	na	na	na	na	na	na	na
WC N-2	8/14/1994	8.0	ND	na	na	10	na	**250**	0.097	0.83	**2.5**	11	na	na	na	na	na	na	na	na
WC N-3	8/14/1994	8.0	ND	na	na	96	na	**390**	**0.38**	3	**3.6**	**17**	na	na	na	na	na	na	na	na
WC N-4	Late 1994	8.0	160	na	na	**310**	na	85	**0.16**	ND	1	1.3	na	na	na	na	na	na	na	na
WC W-1	8/14/1994	8.0	ND	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
WC W-2	8/14/1994	8.0	ND	na	na	34	na	**230**	**0.34**	0.61	2.3	6.9	na	na	na	na	na	na	na	na
WC W-3	8/14/1994	8.0	ND	na	na	**180**	na	20	0.012	0.01	0.029	0.043	na	na	na	na	na	na	na	na
WC W-4	8/14/1994	8.0	150	na	na	**500**	na	80	ND	0.073	0.26	0.99	na	na	na	na	na	na	na	na
WC S-1	8/14/1994	8.0	na	na	na	na	na	**800**	**1.7**	6	**9.9**	**41**	na	na	na	na	na	na	na	na
WC S-2	8/14/1994	8.0	ND	na	na	60	na	**430**	**0.4**	0.2	**4**	**12**	na	na	na	na	na	na	na	na
WC S-3	8/14/1994	8.0	na	na	na	na	na	**730**	**1.4**	ND	**11**	1.7	na	na	na	na	na	na	na	na
WC S-4	8/14/1994	8.0	ND	na	na	25	na	**560**	ND	ND	**5.6**	**13**	na	na	na	na	na	na	na	na
WC E-1	8/14/1994	8.0	na	na	na	na	na	**240**	**0.33**	3.5	**3.4**	**16**	na	na	na	na	na	na	na	na
WC E-2	8/14/1994	8.0	ND	na	na	2	na	**170**	**0.81**	3.4	1.8	8.9	na	na	na	na	na	na	na	na
WC E-3	8/14/1994	8.0	na	na	na	na	na	**660**	**2.9**	**18**	**9.2**	**46**	na	na	na	na	na	na	na	na
WC E-4	8/14/1994	8.0	ND	na	na	5.2	na	**380**	**2.6**	**12**	**4.9**	**24**	na	na	na	na	na	na	na	na
WC B-C-1	8/14/1994	9.5	ND	na	na	68	na	**260**	0.081	0.11	2	8.4	na	na	na	na	na	na	na	na
WC B-O&G-1	8/14/1994	9.5	ND	na	na	**160**	na	**490**	**2.4**	**9.9**	**6.3**	**27**	na	na	na	na	na	na	na	na
WC B-D-1	8/14/1994	9.5	**15,000**	na	na	**18,000**	na	**650**	**3.8**	1.7	**8.1**	**17**	na	na	na	na	na	na	na	na
WC B-G-1	8/14/1994	9.5	120	na	na	ND	na	**540**	**0.64**	ND	**6.5**	**12**	na	na	na	na	na	na	na	na
WC B-C-2	8/14/1994	9.5	ND	na	na	75	na	**1,000**	**2.4**	**10**	**11**	**49**	na	na	na	na	na	na	na	na
WC B-C-3	8/14/1994	9.5	ND	na	na	29	na	**690**	**2.2**	**15**	**7.3**	**39**	na	na	na	na	na	na	na	na
URS-SB-1-6-6.5	02/06/06	6.0	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-1-10-10.	02/06/06	10.0	na	na	6.2	5.1	na	ND	**6.2**	5.1	ND	ND	na	na	na	na	na	na	na	na
URS-SB-1-15.5-1	02/06/06	15.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na

Sample ID	Date Sampled	Sample Depth	TRPH	Motor Oil	Mineral Spirits	TPHd	Kero-sene	TPHg	Ben-zene	Tolu-ene	Ethyl Benzene	Total Xylenes	p-isopro-pyltoluene	Ace-tone	tert-Butyl-benzene	sec-Butyl-benzene	Naph-thalene	Other VOCs	PCBs	Lead
		ft. BGS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
URS-SB-1-18.5-1	02/06/06	18.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-3-6-6.5	02/07/06	6.0	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-3-11-11.	02/07/06	11.0	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	MTBE: 10, TBA: 10 DIPE: 10	na	na
URS-SB-3-15.5-1	02/07/06	15.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-6-5.5-6	02/07/06	5.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-6-11.5-1	02/07/06	11.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-6-15.5-1	02/07/06	15.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-SB-6-19.5-2	02/07/06	19.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-MW-1-6.5	07/02/07	6.0	na	na	ND	1.9	na	ND	ND	1.9	ND	ND	na	na	na	na	na	na	na	na
URS-MW-1-11.0	07/02/07	10.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-MW-1-16.0	07/02/07	15.5	na	na	ND	11	na	ND	ND	11	ND	ND	na	na	na	na	na	na	na	na
URS-MW-2-5.5	07/02/07	5.0	na	na	ND	1.3	na	ND	ND	1.3	ND	ND	na	na	na	na	na	na	na	na
URS-MW-2-11.0	07/02/07	10.5	na	na	ND	1.4	na	ND	ND	1.4	ND	ND	na	na	na	na	na	na	na	na
URS-MW-2-16.0	07/02/07	15.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-MW-3-10.0	06/29/07	9.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-MW-3-15.0	06/29/07	14.5	na	na	ND	1.8	na	ND	ND	1.8	ND	ND	na	na	na	na	na	na	na	na
URS-MW-3-20.0	06/29/07	19.5	na	na	ND	1.3	na	ND	ND	1.3	ND	ND	na	na	na	na	na	na	na	na
URS-MW-4-9.0	06/29/07	8.5	na	na	ND	8.0	na	ND	ND	8.0	ND	ND	na	na	na	na	na	na	na	na
URS-MW-4-14.5	06/29/07	14.0	na	na	ND	6.7	na	ND	ND	6.7	ND	ND	na	na	na	na	na	na	na	na
URS-MW-4-20.0	06/29/07	19.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-MW-5-6.5	06/29/07	6.0	na	na	2.2	5.1	na	3.8	**2.2**	5.1	**3.8**	ND	na	na	na	na	na	na	na	na
URS-MW-5-10.0	06/29/07	9.5	na	na	68	13	na	120	**68**	13	**120**	ND	na	na	na	na	na	na	na	na
URS-MW-5-15.0	06/29/07	14.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
Borings and Confirmation Sampling for San Francisco Bread Site [1,6,7,8]																				
SMW-1-6	09/04/92	18.5	na	na	na	ND	na	ND	0.0078	0.0061	ND	ND	na	na	na	na	na	na	na	4.9
LFSB17-4.5	08/09/93	4.5	70	ND	na	40	na	**260**	ND	**22**	**12**	**69**	na	na	na	na	na	na	na	na
LFSB17-6.0	08/09/93	7	50	ND	na	70	na	**440**	ND	**27**	**8**	**43**	na	na	na	na	na	na	na	na
LFSB17-12.0	08/09/93	12	47	190	na	130	na	**500**	**190**	9	4	**23**	na	na	na	na	na	na	na	na
MW-3-5.0	04/07/04	5.0	Lost Core		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-3-10.0	04/07/04	10.0	Lost Core		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-3-15.0	04/07/04	15.0	ND	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na
MW-3-20.0	04/07/04	120.0	ND	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na
URS-MW-5-6.5	06/29/07	6.0	na	na	2.2	5.1	na	3.8	ND	ND	ND	ND	na	na	na	na	na	na	na	na
URS-MW-5-10.0	06/29/07	9.5	na	na	68	13	na	**120**	ND	ND	2.3	ND	na	na	na	na	na	na	na	na
URS-MW-5-15.0	06/29/07	14.5	na	na	ND	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na

Sample ID	Date Sampled	Sample Depth *ft. BGS*	TRPH mg/Kg	Motor Oil mg/Kg	Mineral Spirits mg/Kg	TPHd mg/Kg	Kero-sene mg/Kg	TPHg mg/Kg	Ben-zene mg/Kg	Tolu-ene mg/Kg	Ethyl Benzene mg/Kg	Total Xylenes mg/Kg	p-isopro-pyltoluene mg/Kg	Ace-tone mg/Kg	tert-Butyl-benzene mg/Kg	sec-Butyl-benzene mg/Kg	Naph-thalene mg/Kg	Other VOCs mg/Kg	PCBs mg/Kg	Lead mg/Kg
Borings and Confirmation Sampling in 40th Street [1]																				
LFSB1-7.0	08/08/93	7	290	27	na	**240**	na	**850**	**5.4**	ND	**25**	**42**	na	na	na	na	na	na	na	na
LFSB1-9.5	08/08/93	9.5	130	ND	na	**220**	na	**180**	**0.89**	1.1	**4.3**	**18**	na	na	na	na	na	na	na	na
LFSB1-14.5	08/08/93	14.5	60	ND	na	ND	na	7.4	0.44	0.44	0.14	0.61	na	na	na	na	na	na	na	na
LFSB2-7.0	08/08/93	7	160	57	na	**790**	na	**780**	**8**	ND	**31**	**140**	na	na	na	na	na	na	ND	na
LFSB2-9.5	08/08/93	9.5	210	ND	na	**200**	na	**720**	**2.4**	5.2	**15**	**59**	na	na	na	na	na	na	na	na
LFSB2-14.5	08/08/93	14.5	43	12	na	ND	na	1.0	0.2	0.21	0.021	0.12	na	na	na	na	na	na	ND	na
LFSB3-9.5	08/07/93	9.5	37	ND	na	11	na	**580**	**9.7**	**50**	**15**	**90**	na	na	na	na	na	na	ND	na
LFSB3-14.5	08/07/93	14.5	37	ND	na	ND	na	0.9	0.092	0.16	0.031	0.17	na	na	na	na	na	na	ND	na
LFSB4-7.0	08/08/93	7	70	ND	na	13	na	**380**	**3**	5.2	**8.2**	**18**	na	na	na	na	na	na	na	na
LFSB4-14.5	08/08/93	14.5	210	ND	na	ND	na	ND	0.026	0.005	0.019	0.023	na	na	na	na	na	na	na	na
LFSB5-7.0	08/08/93	7	37	ND	na	15	na	**410**	**2.4**	0.6	**16**	6.3	na	na	na	na	na	na	na	na
LFSB5-14.5	08/08/93	14.5	93	ND	na	ND	na	ND	0.011	ND	0.008	0.008	na	na	na	na	na	na	na	na
LFSB6-9.5	08/08/93	9.5	67	ND	na	51	na	**490**	**2.7**	ND	**15**	**15**	na	na	na	na	na	na	na	na
LFSB6-14.5	08/08/93	14.5	ND	ND	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LFSB7-9.5	08/07/93	9.5	170	66	na	52	na	**750**	**2.5**	8.5	**22**	**93**	na	na	na	na	na	na	na	na
LFSB7-14.5	08/07/93	14.5	ND	ND	na	ND	na	2.8	ND	ND	0.029	0.03	na	na	na	na	na	na	na	na
LFSB8-9.5	08/08/93	9.5	130	ND	na	**110**	na	**2,800**	**22**	**9.5**	**82**	**290**	na	na	na	na	na	na	na	na
LFSB8-14.5	08/08/93	14.5	37	11	na	ND	na	ND	0.009	ND	ND	ND	na	na	na	na	na	na	na	na
LFSB9-7.0	08/07/93	7	ND	ND	na	14	na	**210**	**2.8**	**13**	**5.1**	**29**	na	na	na	na	na	na	na	na
LFSB9-9.5	08/07/93	9.5	na	na	na	na	na	**1,200**	**14**	**81**	**26**	**140**	na	na	na	na	na	na	na	na
LFSB9-14.5	08/07/93	14.5	77	ND	na	ND	na	ND	0.079	0.059	0.011	0.041	na	na	na	na	na	na	na	na
LFSB10-7.0	08/07/93	7	na	na	na	na	na	73	**2.6**	4.7	1.6	7.7	na	na	na	na	na	na	na	na
LFSB10-9.5	08/07/93	9.5	40	ND	na	ND	na	**1,100**	ND	7.8	ND	**22**	na	na	na	na	na	na	na	na
LFSB10-14.5	08/07/93	14.5	ND	ND	na	ND	na	8.6	0.48	0.29	0.1	0.48	na	na	na	na	na	na	na	na
LFSB11-14.5	08/09/93	14.5	40	11	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LFSB12-1.0	08/09/93	1	**4,600**	**400**	na	ND	na	ND	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB12-3.0	08/09/93	3	**420**	64	na	**560**	na	**6,500**	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB13-5.0	08/09/93	5	63	ND	na	ND	na	23	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB13-6.5	08/09/93	6.5	37	ND	na	ND	na	13	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB14-2.0	08/09/93	2	**2,200**	**480**	na	ND	na	42	na	na	na	na	na	na	na	na	na	na	0.22	na
LFSB14-4.5	08/09/93	4.5	47	ND	na	ND	na	ND	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB15-4.5	08/09/93	4.5	**480**	12	na	**140**	na	**4,700**	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB15-6.0	08/09/93	6	120	14	na	59	na	**3,700**	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB16-4.5	08/09/93	4.5	60	ND	na	ND	na	9	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB16-6.0	08/09/93	6	53	ND	na	ND	na	8	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB18-1.0	08/09/93	1	**2,200**	320	na	ND	na	1	na	na	na	na	na	na	na	na	na	na	ND	na

Sample ID	Date Sampled	Sample Depth	TRPH	Motor Oil	Mineral Spirits	TPHd	Kero-sene	TPHg	Ben-zene	Tolu-ene	Ethyl Benzene	Total Xylenes	p-isopro-pyltoluene	Ace-tone	tert-Butyl-benzene	sec-Butyl-benzene	Naph-thalene	Other VOCs	PCBs	Lead
		ft. BGS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LFSB18-3.0	08/09/93	3	**1,100**	**390**	na	ND	na	ND	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB19-1.5	08/09/93	1.5	**2,200**	**530**	na	ND	na	ND	na	na	na	na	na	na	na	na	na	na	ND	na
LFSB19-3.0	08/09/93	3	**3,600**	**740**	na	ND	na	1	na	na	na	na	na	na	na	na	na	na	ND	na
LF-1-4.5	08/07/93	4.5	77	16	na	**220**	na	**550**	**0.84**	1.2	**5.6**	2.7	na	na	na	na	na	na	na	na
LF-1-9.5	08/07/93	9.5	ND	ND	na	18	na	**470**	**0.97**	ND	**6.6**	8.9	na	na	na	na	na	na	na	na
LF-1-14.5	08/07/93	14.5	60	ND	na	16	na	8.4	0.14	0.17	0.081	0.37	na	na	na	na	na	na	na	na
LF-2-9.5	08/07/93	9.5	30	ND	na	14	na	**740**	**4.70**	**35**	**13**	**68**	na	na	na	na	na	na	na	na
LF-2-14.5	08/07/93	14.5	ND	ND	na	ND	na	ND	0.009	0.012	ND	0.015	na	na	na	na	na	na	na	na
LF-3-9.5	08/07/93	9.5	37	ND	na	ND	na	75	0.062	0.28	1.1	1.1	na	na	na	na	na	na	na	na
LF-3-14.5	08/07/93	14.5	ND	ND	na	ND	na	ND	0.014	ND	0.01	0.007	na	na	na	na	na	na	na	na
LF-B1-2	08/30/94	2	ND	na	na	ND	na	0.8	0.008	ND	0.016	0.085	na	na	na	na	na	na	na	na
LF-B1-5	08/30/94	5	30	na	na	ND	na	**110**	**0.840**	0.520	**3.2**	12	na	na	na	na	na	na	na	na
LF-B1-10	08/30/94	10	30	na	na	ND	na	**690**	**12**	**50**	**18**	**99**	na	na	na	na	na	na	na	na
LF-B2-2	08/30/94	2	10	na	na	ND	na	**110**	**0.6**	2.9	**3.3**	**16**	na	na	na	na	na	na	na	na
LF-B2-5	08/30/94	5	10	na	na	1.0	na	66	**0.37**	0.8	0.79	3.5	na	na	na	na	na	na	na	na
LF-B2-10	08/30/94	10	30	na	na	ND	na	**830**	**13**	**52**	**21**	**110**	na	na	na	na	na	na	na	na
LF-B3-2	08/30/94	2	80	na	na	ND	na	**440**	**8.5**	36	**12**	**58**	na	na	na	na	na	na	na	na
LF-B3-5	08/30/94	5	200	na	na	8.0	na	**810**	**14**	**62**	**22**	**100**	na	na	na	na	na	na	na	na
LF-B3-10	08/30/94	10	50	na	na	ND	na	**390**	**7.1**	**22**	**7.2**	**38**	na	na	na	na	na	na	na	na
LF-B4-2	08/30/94	2	40	na	na	ND	na	49	**0.14**	0.12	2.3	11	na	na	na	na	na	na	na	na
LF-B4-5	08/30/94	5	**1,300**	na	na	28	na	**8,800**	**6.8**	7.3	**190**	**870**	na	na	na	na	na	na	na	na
LF-B4-10	08/30/94	10	110	na	na	3.0	na	**510**	**1.1**	0.96	**3.4**	**13**	na	na	na	na	na	na	na	na
LF-B5-2	08/30/94	2	10	na	na	ND	na	0.4	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B5-5	08/30/94	5	**2,400**	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B5-10	08/30/94	10	ND	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B6-2	08/30/94	2	20	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B6-5	08/30/94	5	10	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B6-10	08/30/94	10	ND	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B7-2	08/30/94	2	10	na	na	ND	na	27	**0.42**	ND	0.75	0.05	na	na	na	na	na	na	na	na
LF-B7-5	08/30/94	5	ND	na	na	ND	na	16	**0.67**	ND	ND	0.025	na	na	na	na	na	na	na	na
LF-B7-10	08/30/94	10	20	na	na	ND	na	**520**	**7.4**	**30**	14	**78**	na	na	na	na	na	na	na	na
LF-B8-2	08/30/94	2	50	na	na	5.0	na	3.4	**0.2**	ND	0.56	0.02	na	na	na	na	na	na	na	na
LF-B8-5	08/30/94	5	ND	na	na	ND	na	14	**0.3**	0.01	0.26	ND	na	na	na	na	na	na	na	na
LF-B8-10	08/30/94	10	20	na	na	ND	na	**140**	**2.1**	5.8	4	**21**	na	na	na	na	na	na	na	na
LF-B9-2	08/30/94	2	20	na	na	ND	na	2.8	**0.33**	0.005	0.41	0.07	na	na	na	na	na	na	na	na
LF-B9-5	08/30/94	5	ND	na	na	ND	na	40	**1.2**	0.013	2.6	0.15	na	na	na	na	na	na	na	na
LF-B9-10	08/30/94	10	20	na	na	ND	na	**190**	**4.3**	**11**	5.5	**28**	na	na	na	na	na	na	na	na
LF-B10-2	08/30/94	2	150	na	na	ND	na	29	0.038	0.048	0.18	**1.2**	na	na	na	na	na	na	na	na
LF-B10-5	08/30/94	5	30	na	na	ND	na	13	ND	0.02	0.05	ND	na	na	na	na	na	na	na	na
LF-B10-10	08/30/94	10	ND	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na

Sample ID	Date Sampled	Sample Depth	TRPH	Motor Oil	Mineral Spirits	TPHd	Kero-sene	TPHg	Ben-zene	Tolu-ene	Ethyl Benzene	Total Xylenes	p-isopro-pyltoluene	Ace-tone	tert-Butyl-benzene	sec-Butyl-benzene	Naph-thalene	Other VOCs	PCBs	Lead
		ft. BGS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LF-B11-2	08/30/94	2	20	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B11-5	08/30/94	5	ND	na	na	ND	na	1	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B11-10	08/30/94	10	40	na	na	ND	na	**250**	**1.1**	0.35	**4.4**	**21**	na	na	na	na	na	na	na	na
LF-B12-2	08/30/94	2	30	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B12-5	08/30/94	5	ND	na	na	ND	na	0.9	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B12-10	08/30/94	10	30	na	na	ND	na	**160**	**0.97**	0.19	**4.1**	**20**	na	na	na	na	na	na	na	na
LF-B13-2	08/30/94	2	**600**	na	na	**220**	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B13-5	08/30/94	5	40	na	na	10	na	4.2	ND	ND	0.02	ND	na	na	na	na	na	na	na	na
LF-B13-10	08/30/94	10	20	na	na	3.0	na	6.9	**0.36**	ND	0.45	0.13	na	na	na	na	na	na	na	na
LF-B14-2	08/30/94	2	**410**	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B14-5	08/30/94	5	ND	na	na	ND	na	1.6	0.01	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B14-10	08/30/94	10	ND	na	na	ND	na	2.9	0.006	ND	0.01	ND	na	na	na	na	na	na	na	na
LF-B15-2	08/30/94	2	**420**	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B15-5	08/30/94	5	ND	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B15-10	08/30/94	10	20	na	na	ND	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B16-2	08/30/94	2	50	na	na	10	na	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na
LF-B16-5	08/30/94	5	ND	na	na	ND	na	28	**0.16**	ND	0.96	0.037	na	na	na	na	na	na	na	na
LF-B16-10	08/30/94	10	20	na	na	ND	na	**130**	**2.5**	5.4	**2.6**	**15**	na	na	na	na	na	na	na	na

Concentrations in bold script exceed the 2008 San Francisco Bay Area RWQCB's Residential Environmental Screening Levels in shallow or deep soils, as appropriate, where groundwater is not a source of drinking water.

NOTES:

(1) Data Source: Levine-Fricke 1994, 1993
(2) Data Source: Woodward-Clyde International-Americas 1997, 1998
(3) Data Source: Aqua Science Engineers, Inc. 2005a,b
(4) Data Source: Clayton Group Services 2007, 2004a,b, 2003, 2002
(5) Data Source: Hageman-Aquiar, Inc. 1992
(6) Data Source: URS 2006, 2007a
(7) Data Source: The San Joaquin Company 2005
(8) Data Source: SEACOR Science and Engineering Analysis Corporation 1992
(9) Data Source: Environmental Resource Management 2006
(10) ND = Not Detected above the Method Detection Limit (MDL).
(11) na = not analyzed
(12) Laboratory reports pattern is closer to mineral spirits or Stoddard solvent.

TABLE 4

DEC

TABLE 4

DEPTHS TO GROUNDWATER

Well No.	Date Measured	Casing Elevation ft. MSL	Groundwater Depth ft.	Groundwater Elevation ft. MSL
WCEW-1		41.73		
	05/19/04		7.88	33.85
	11/08/04		7.13	34.60
	04/15/07		7.39	34.34
	06/21/07		7.74	33.99
	08/09/07		8.00	33.73
	09/21/09		7.64	34.09
	03/12/10		5.40	36.33
MW-2		44.40		
	05/19/04		5.98	38.42
	11/08/04		4.94	39.46
	04/15/07		4.86	39.54
	06/21/07		5.62	38.78
	08/09/07		5.42	38.98
	09/21/09		6.35	38.05
	03/12/10		5.40	39.00
MW-3		45.49		
	05/19/04		5.66	39.83
	11/08/04		5.89	39.60
	04/15/07		5.25	40.24
	06/21/07		5.95	39.54
	08/09/07		6.57	38.92
	09/21/09		5.42	40.07
	03/12/10		2.96	42.53
MW-4		47.31		
	05/19/04		6.19	41.12
	11/08/04		5.81	41.50
	09/21/09		7.42	39.89
	03/12/10		4.23	43.08
MW-5		42.51		
	05/19/04		7.39	35.12
	11/08/04		7.09	35.42
	04/15/07		6.92	35.59
	06/21/07		7.50	35.01
	08/09/07		7.42	35.09
	09/21/09		6.01	36.50
	03/12/10		5.70	36.81

Well No.	Date Measured	Casing Elevation ft. MSL	Groundwater Depth ft.	Groundwater Elevation ft. MSL
MW-6 [2]		43.35		
	05/19/04		7.16	36.19
	11/08/04		6.93	36.42
MW-6A		43.18		
	09/21/09		6.16	37.02
	03/12/10		6.08	37.10
MW-7		44.75		
	05/19/04		8.40	36.35
	11/08/04		8.10	36.65
	09/21/09		6.01	38.74
	03/12/10		6.26	38.49
MW-8		48.38		
	05/19/04		9.65	38.73
	11/08/04		9.05	39.33
	09/21/09		7.58	40.80
	03/12/10		6.70	41.68
MW-9		47.85		
	09/21/09		7.91	39.94
	03/12/10		7.07	40.78
MW-10		45.66		
	09/21/09		5.72	39.94
			5.84	39.82
MW-11		45.10		
	09/21/09		7.43	37.67
	03/12/10		6.78	38.32
MW-12		42.93		
	09/21/09		5.72	37.21
	03/12/10		5.60	37.33
MW-13		45.56		
	09/21/09		7.61	37.95
	03/12/10		7.27	38.29
MW-14		45.19		
	09/21/09		7.38	37.81
	03/12/10		6.56	38.63

Well No.	Date Measured	Casing Elevation ft. MSL	Groundwater Depth ft.	Groundwater Elevation ft. MSL
MW-15		43.55		
	09/21/09		6.55	37.00
	03/12/10		6.88	36.67
MW-16A		44.50		
	09/21/09		7.00	37.50
			5.22	39.28
MW-16B		44.59		
	09/21/09		7.24	37.35
	03/12/10		5.42	39.17
MW-16C		44.48		
	09/21/09		7.24	37.24
	03/12/10		12.84	31.64
URS Off-site Wells				
URS MW-1		42.21		
	09/21/09		8.15	34.06
	03/12/10		7.51	34.70
URS MW-2		40.83		
	09/21/09		8.63	32.20
	03/12/10		7.41	33.42
URS MW-3		40.54		
	09/21/09		9.89	30.65
	03/12/10		8.47	32.07
URS MW-4		41.41		
	09/21/09		9.81	31.60
	03/12/10		8.55	32.86
URS MW-5		43.93		
	09/21/09		5.84	38.09
	03/12/10		4.31	39.62
LFMW-LF-4		40.76		
	09/21/09		7.71	33.05
	03/12/10		6.98	33.78
Temporary Wells 2004				
MWT-1	05/19/04	42.98	8.43	34.55
	11/08/04		6.82	36.16

Well No.	Date Measured	Casing Elevation ft. MSL	Groundwater Depth ft.	Groundwater Elevation ft. MSL
MWT-2	05/19/04	45.28	7.69	37.59
	11/08/04		7.17	38.11
MWT-3	05/19/04	47.64	7.64	40.00
	11/08/04		7.66	39.98
MWT-4	05/19/04	44.74	8.43	36.31
	11/08/04		7.99	36.75
MWT-5	05/19/04	47.10	9.07	38.03
	11/08/04		8.84	38.26
MWT-6	05/19/04	45.21	9.05	36.16
	11/08/04		8.73	36.48
MWT-7 [1]	05/19/04	46.61	9.90	36.71
	11/08/04	45.69	8.60	37.09
MWT-8	05/19/04	47.23	9.65	37.58
	11/08/04		9.31	37.92
MWT-9	05/19/04	45.78	8.70	37.08
	11/08/04		8.23	37.55
MWT-10	05/19/04	47.22	9.53	37.69
	11/08/04		9.03	38.19
MWT-11	11/08/04	46.63	9.71	36.92
MWT-12	11/08/04	47.97	10.79	37.18
MWT-13	11/08/04	48.16	10.65	37.51

Well No.	Date Measured	Casing Elevation ft. MSL	Groundwater Depth ft.	Groundwater Elevation ft. MSL
MWT-14	11/08/04	47.85	9.63	38.22

Notes:

1) MWT-7 casing truncated by vandals. Elevation resurveyed on 11/10/04
2) MW-6 damaged during construction. Replaced by MW-6A on 09/27/08

TABLE 5

DEC

TABLE 5

RESULTS OF ANALYSES OF GROUNDWATER SAMPLES RECOVERED FROM TRENCHES, PITS AND WELLS
ON THE OAK WALK SITE

		Petroleum Hydrocarbons			BTEX Compounds				Fuel Oxygenates					Other Volatile Organic Compounds										PNAs	
Sample ID	**Date Sampled**	**TPHd (diesel)**	**Mineral Spirits**	**TPHg (gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**TAME**	**ETBE**	**DIPE**	**TBA**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-propylbenzene**	**1,2,4-trimethylbenzene**	**1,3,5-trimethylbenzene**	**52 Other VOCs by 8260B**	**Naphthalene**	**15 Other PNAs by 8270C**
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trenches																									
T3-W	12/03/03	**2,300** [3]	na	**6,300** [5]	ND	ND	31	30	ND	na	na	na	na	100	47	ND	ND	23	ND	230	320	110	ND	12	ND
T7-W	12/02/03	ND	na	ND	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-10W	09/24/07	**6,100**	**9,100**	**70,000**	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
W11	08/08/07	**4,500**	**5,800**	**1,800**	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Groundwater Extraction Pit																									
GEP-1A	09/26/07	**54,000**	**81,000**	**8,200**	1.4	3.6	ND	2.2	1.9	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GEP-1B	10/04/07	**530**	**810**	**1,100**	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Wells																									
WCEW-1	05/19/04	ND	**600** [6]	**3,700**	**90**	0.66	**48**	56	170	na	na	na	na	ND	8.7	ND	12	1.8	ND	31	14	5.6	ND	8.3	ND
	09/24/09	**1,600**	**390**	**1,400**	1.5	ND	1.2	ND	150	ND	ND	ND	21	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	**1,600**	**460**	**1,200**	3.5	ND	4.3	1.3	31	ND	ND	ND	5.4	na	na	na	na	na	na	na	na	na	na	na	na
MW-2	05/19/04	ND	**2,100** [6]	**49,000**	**7,900**	**2,100**	**980**	**8,300**	770	na	na	na	na	100	ND	ND	ND	ND	ND	ND	1,600	460	ND	**490**	ND
	09/18/07	**1,400**	**1,500**	**8,300**	**1,500**	ND	**340**	21	84	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	09/24/09	**400**	**350**	**4,000**	**1,500**	ND	**520**	ND	47	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	**780**	**870**	**8,300**	**1,500**	**47**	**790**	**740**	74	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-3	05/19/04	ND	**420** [6]	**1,300**	ND	ND	ND	1.1	5.8	na	na	na	na	14	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND
	09/24/09	110	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	130	ND	58	4.6	ND	7.2	5.6	1.9	ND	ND	ND	4.1	na	na	na	na	na	na	na	na	na	na	na	na
MW-4	05/19/04	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-5	05/19/04	ND	**330** [6]	**2,600** [5]	ND	ND	ND	ND	17	na	na	na	na	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/24/09	**220**	**250**	**430**	ND	ND	ND	ND	0.77	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	190	**230**	**300**	ND	ND	ND	ND	0.51	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-6*	05/19/04	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6A	09/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na

		Petroleum Hydrocarbons			BTEX Compounds				Fuel Oxygenates					Other Volatile Organic Compounds										PNAs	
Sample ID	**Date Sampled**	**TPHd (diesel)**	**Mineral Spirits**	**TPHg (gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**TAME**	**ETBE**	**DIPE**	**TBA**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-propylbenzene**	**1,2,4-trimethylbenzene**	**1,3,5-trimethylbenzene**	**52 Other VOCs by 8260B**	**Naphthalene**	**15 Other PNAs by 8270C**
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	05/19/04	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-8	05/19/04	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-9	09/24/09	78	ND	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	150	89	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-10	09/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-11	09/24/09	ND	ND	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-12	09/22/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-13	09/22/09	66	ND	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	130	100	140	0.67	ND	0.76	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-14	09/22/09	72	ND	68	ND	ND	ND	ND	13	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-15	09/22/09	ND	ND	51	ND	ND	ND	ND	2.6	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	6.0	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-16A	09/22/09	**2,400**	**4,100**	**64,000**	**18,000**	**2,500**	**3,000**	**11,000**	830	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	**2,000**	**4,000**	**38,000**	**11,000**	**780**	**2,400**	**7,500**	840	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
MW-16B	09/22/09	**410**	**480**	**4,000**	**1,600**	18	**150**	**170**	500	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	**930**	**1,600**	**9,800**	**5,200**	**220**	**650**	**1,800**	520	ND	ND	ND	100	na	na	na	na	na	na	na	na	na	na	na	na
MW-16C	09/22/09	ND	ND	**270**	ND	ND	ND	ND	230	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/14/10	ND	ND	**270**	4.9	ND	1.6	1.3	370	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
URS Wells [10]																									
URS-MW-1	09/21/09	90	83	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	110	ND	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
URS-MW-2	09/21/09	**210**	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	40	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	**320**	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	37	na	na	na	na	na	na	na	na	na	na	na	na
URS-MW-3	09/21/09	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
URS-MW-4	09/21/09	110	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	**210**	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
URS-MW-5	09/21/09	**1,100**	99	150	ND	ND	ND	ND	63	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	**1,100**	160	170	ND	ND	1.0	ND	49	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
LF-MW-LF-4	09/21/09	**1,600**	**320**	**490**	ND	ND	7.9	ND	2.0	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na
	03/13/10	**820**	**1,100**	**1,200**	0.5	ND	7.2	ND	1.1	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na

		Petroleum Hydrocarbons			BTEX Compounds				Fuel Oxygenates					Other Volatile Organic Compounds										PNAs	
Sample ID	**Date Sampled**	**TPHd (diesel)**	**Mineral Spirits**	**TPHg (gasoline)**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**TAME**	**ETBE**	**DIPE**	**TBA**	**n-Butylbenzene**	**sec-Butylbenzene**	**tert-Butylbenzene**	**isopropylbenzene**	**p-Isopropylbenzene**	**p-Isopropyltoluene**	**n-propylbenzene**	**1,2,4-trimethylbenzene**	**1,3,5-trimethylbenzene**	**52 Other VOCs by 8260B**	**Naphthalene**	**15 Other PNAs by 8270C**
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Temporary Wells																									
MWT-1	5/19/04	ND	74 [6]	**350**	ND	ND	ND	ND	ND	na	na	na	na	8.0	ND	ND	1.0	ND	ND	1.0	ND	ND	ND	ND	ND
MWT-2	5/19/04	ND	**3,200** [6]	**28,000**	**460**	ND	**1,200**	**2,700**	66	na	na	na	na	100	ND	ND	ND	ND	ND	310	1,600	490	ND	**340**	ND
MWT-3	5/19/04	ND	**450**	**1,000** [5]	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-4	5/19/04	ND	88 [6]	**540** [5]	ND	ND	ND	ND	ND	na	na	na	na	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-5	5/19/04	ND	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-6 [9]	5/19/04	ND	**980**	**4,200** [5]	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-7	5/19/04	ND	**3,200**	**56,000** [5]	0.78	ND	ND	ND	ND	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-8	5/19/04	ND	**370**	**800** [5]	ND	ND	ND	ND	ND	na	na	na	na	ND	ND	1.6	ND	ND	ND	ND	0.70	ND	ND	ND	ND
MWT-9	5/19/04	ND	ND	ND	ND	ND	ND	ND	0.79	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MWT-10	5/19/04	ND	ND	59 [5]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-11	11/6/04	ND	**3,500** [7]	**930** [8]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-12	11/6/04	ND	**830** [7]	**1,400** [8]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-13	11/6/04	ND	**440** [7]	**1,100** [5]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MWT-14	11/6/04	ND	**1,200** [7]	**4,600** [5]	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Concentrations in bold script exceed the 2008 San Francisco Bay Area RWQCB's Residential Environmental Screening Levels in shallow soils where groundwater is not a source of drinking water.

Notes:

(1) ND = Not Detected above the Method Detection Limit (MDL).
(2) na = Not Analyzed.
(3) The laboratory reports that the detected hydrocarbon does not match its diesel standard.
(4) Laboratory Method 8260B tests for 66 Volatile Organic Comppunds. Only those detected are presented on this table.
(5) The laboratory reports that the detected hydrocarbon does not match its gasoline standard.
(6) The laboratory reports that the detected hydrocarbon does not match its mineral spirits standard.
(7) Quantity of unknown hydrocarbons in sample based on Mineral Spirits
(8) Quantity of unknown hydrocarbons in sample based on gasoline
(9) Monitoring Well MW-6 was destroyed on November 11, 2007 and replaced with Monitoring Well MW-6A on September 27, 2008
(10) Data from URS

TABLE 6

DEC

TABLE 6

RESULTS OF ANALYSES OF GROUNDWATER SAMPLES RECOVERED FROM OFF-SITE LOCATIONS

		Petroleum Hydrocarbons							Volatile Organic Compounds														
Sample ID	**Date Sampled**	**TRPH**	**Motor Oil**	**TEPH**	**TPHd**	**Mineral Spirits**	**TPPH**	**TPHg**	**Ben-zene**	**Tolu-ene**	**Ethyl Benzene**	**Total Xylenes**	**MTBE**	**Naph-thalene**	**tert-Butyl Benzene**	**sec-Butyl Benzene**	**n-Butyl Benzene**	**1,2,4-Trimethyl benzene**	**Isopropyl benzene**	**Vinyl Chloride**	**1,1-Dichloro ethene**	**cis-1,2 Di-chloroethene**	**Other VOCs**
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Dunne Paint Site [3,4,5]																							
B-12	11/04/02	na [11]	**260** [12]	na	**17,000**	na	na	**9,200**	63	13	ND [10]	26	ND	38	ND	52	47	6.5	120	ND	ND	ND	n-Propylbenzene 47
B-14	11/04/02	na	ND	na	**220,000**	na	na	**170,000**	ND	2.0	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	DIPE 2.4 Carbon Disulfide 2.4
B-15	11/04/02	na	ND	na	**16,000**	na	na	**4,000**	ND	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND
B-16	11/04/02	na	ND	na	**1,200,000**	na	na	**150,000**	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND
OB-1	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-2	06/30/03	na	na	na	na	**12,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-3	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-4	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-5	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-6	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Trichloroethene 15; Tetrachloroethene 11
OB-7	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-8	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-9	06/27/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-10	06/30/03	na	na	na	na	**5,800**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CW-1	11/12/03	na	na	na	na	85	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/14/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CW-2	11/12/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/14/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CW-3	11/12/03	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TCE 5.1
	03/12/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/14/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-D1	08/26/88	na	na	na	na	**1,000**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	01/18/89	na	na	na	na	ND	na	na	na	2.0	ND	1.1	na	na	na	na	na	na	na	na	na	na	na
	04/24/89	na	na	na	na	ND	na	na	na	ND	ND	1.8	na	na	na	na	na	na	na	na	na	na	na
	02/21/90	na	na	na	ND	ND	ND	na	ND	ND	0.4	1.3	na	na	na	na	na	na	na	na	na	na	na
	06/10/92	na	na	na	ND	ND	ND	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	06/10/93	na	na	**220**	na	na	**230**	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	09/24/93	na	na	na	na	ND	na	ND	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	09/29/93	na	na	na	na	110	na	na	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	12/14/99	na	na	na	na	ND	na	na	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	11/12/03	na	na	na	na	85	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/04	na	na	na	na	**260**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	100	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/14/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-D2	08/26/88	na	na	na	na	**1,600**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	01/18/89	na	na	na	na	ND	na	na	na	6.3	ND	12	na	na	na	na	na	na	na	na	na	na	na
	04/24/89	na	na	na	na	ND	na	na	na	ND	ND	7.7	na	na	na	na	na	na	na	na	na	na	na
	02/21/90	na	na	na	na	**300**	na	na	na	ND	0.3	1.5	na	na	na	na	na	na	na	na	na	na	na
	06/10/92	na	na	ND	na	76	ND	na	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	06/10/93	na	na	**9,100**	ND	na	**6,200**	na	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	09/24/93	na	na	ND	ND	ND	ND	na	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	09/29/93	na	na	na	na	**220**	na	na	na	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na

Sample ID	Date Sampled	TRPH µg/L	Motor Oil µg/L	TEPH µg/L	TPHd µg/L	Mineral Spirits µg/L	TPPH µg/L	TPHg µg/L	Ben-zene µg/L	Tolu-ene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	tert-Butyl Benzene µg/L	sec-Butyl Benzene µg/L	n-Butyl Benzene µg/L	1,2,4-Trimethyl benzene µg/L	Isopropyl benzene µg/L	Vinyl Chloride µg/L	1,1-Dichloro ethene µg/L	cis-1,2 Di-chloroethene µg/L	Other VOCs µg/L
	12/10/98	na	na	na	ND	180	95	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	12/14/99	na	na	na	na	100	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/03	na	na	na	na	**1,400**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/04	na	na	na	na	**330**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/14/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1-W	02/10/05	na	na	na	na	**330**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-W	02/10/05	na	na	na	na	**220**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-4-W	02/10/05	na	na	na	na	**1,600**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-5-W	02/10/05	na	na	na	na	**7,200**	na	na	ND	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND
B-6-W	02/10/05	na	na	na	na	**47,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boysen Paint Site [3,5,9]																							
MW-B1	09/30/91	na	na	**18,000**	ND	na	**29,000**	na	5	**6**	**250**	**980**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/93	na	na	**27,000**	na	na	**57,000**	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/29/93	na	na	na	na	**43,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/28/03	na	na	**1,100,000**	na	**26,000**	**37,000**	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL			LNAPL	LNAPL	LNAPL	LNAPL
	09/14/04	na	na	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	ND	ND	LNAPL	LNAPL	LNAPL	LNAPL
	12/16/04	na	na	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	ND	ND	LNAPL	LNAPL	LNAPL	LNAPL
	03/30/04	na	na	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	ND	ND	LNAPL	LNAPL	LNAPL	LNAPL
																		ND	ND				
MW-B2	06/10/93	na	na	**3,800**	na	na	510	na	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND
	09/29/93	na	na	na	na	**290,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/10/98	na	na	ND	ND	**150,000**	**2,400**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/14/99	na	na	na	na	**630**	na	na	na	na	na	na	na	na	na	na	na	ND	ND	na	na	na	na
	05/28/03	na	na	**22,000**	na	**26,000**	**1,600**	na	ND	ND	ND	ND	ND	ND	3.2	3.2	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	**3,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND
	09/14/05	na	na	na	na	**410**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/16/04	na	na	na	na	**480**	na	na	ND	ND	ND	ND	ND	ND	1.8	1.4	ND	ND	ND	ND	ND	ND	ND
	03/30/05	na	na	na	na	**14,000**	na	na	ND	ND	ND	ND	ND	ND	5.8	4.1	ND	ND	ND	2.2	ND	0.57	ND
	06/27/05	na	na	na	na	**4,300**	na	na	ND	ND	ND	ND	ND	ND	5.9	4.7	ND	ND	ND	2.2	ND	ND	ND
MW-B3	06/10/93	na	na	**1,700**	na	na	**1,400**	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/29/93	na	na	na	na	**2,400**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/10/98	na	na	ND	ND	120	830	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/14/99	na	na	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	ND	ND	na	na	na	na
	05/28/03	na	na	ND	na	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/14/05	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/16/04	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/30/05	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/27/05	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TCE 3.4; 1,1,1-Trichloroethene 0.5
MW-B4	06/10/93	na	na	**36,000**	na	na	**36,000**	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/29/93	na	na	na	na	**1,400**	na	na	ND	ND	ND	ND	na	na	ND	ND	ND	na	na	ND	ND	ND	ND
	12/10/98	na	na	na	**1,000**	**7,500**	**2,700**	ND	ND	ND	ND	ND	na	na	ND	ND	ND	na	na	ND	ND	ND	ND
	12/14/99	na	na	na	na	**5,100**	na	na	na	na	na	na	na	na	na	na	na	na	na	na	ND	na	na
	05/28/03	na	na	**7,000**	na	**990**	**14,000**	na	ND	ND	ND	ND	na	na	2.8	ND	ND	na	na	1.8	ND	ND	ND
MW-B4	06/15/04	na	na	na	na	**1,300**	na	na	ND	ND	ND	ND	na	na	ND	ND	ND	na	na	ND	ND	ND	ND
cont.	09/14/05	na	na	na	na	**400**	na	na	ND	ND	ND	ND	na	na	ND	ND	ND	na	na	ND	ND	ND	ND
	12/16/04	na	na	na	na	**450**	na	na	ND	ND	ND	ND	na	na	4.6	ND	ND	na	na	ND	ND	ND	ND
	03/30/05	na	na	na	na	**3,000**	na	na	ND	ND	ND	ND	na	na	6.5	2.0	ND	na	na	1.3	ND	ND	ND
	06/27/05	na	na	na	na	**2,800**	na	na	ND	ND	ND	ND	na	na	7.1	3.0	ND	na	na	1.9	ND	ND	TCE 3.4 1,1,1-Trichloroethene 0.5
BES-1	04/21/94	na	na	**18,000**	na	**12,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/10/98	na	na	ND	na	**78,000**	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/14/99	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	ND	na	na
	05/28/03	na	na	**19,000**	na	na	**84,000**	na	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	20	1.5	17	trans-1,2 Dichlorothene 2.1
	06/18/03	na	na	na	na	**120,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	14	ND
	06/15/04	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
	09/14/05	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
	12/16/04	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
	03/30/05	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
	06/27/05	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL

Sample ID	Date Sampled	TRPH µg/L	Motor Oil µg/L	TEPH µg/L	TPHd µg/L	Mineral Spirits µg/L	TPPH µg/L	TPHg µg/L	Ben-zene µg/L	Tolu-ene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	tert-Butyl Benzene µg/L	sec-Butyl Benzene µg/L	n-Butyl Benzene µg/L	1,2,4-Trimethyl benzene µg/L	Isopropyl benzene µg/L	Vinyl Chloride µg/L	1,1-Dichloro ethene µg/L	cis-1,2 Di-chloroethene µg/L	Other VOCs µg/L
MW-LD4	09/30/91	na	na	na	na	na	na	na	2.0	3.1	9.0	2.4	na	na	na	na	na	na	na	na	na	na	na
	04/06/93	na	na	**21,000**	na	na	**1,100**	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	09/29/93	na	na	na	na	**700**	na	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na	na
	12/10/98	na	na	na	170	130	83	ND	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na
	12/14/99	na	na	na	na	**440,000**	na	na	na	na	na	na	ND	ND	na	na	na	na	na	na	na	na	na
	01/13/00	na	na	na	na	**630,000**	na	na	na	na	na	na	ND	ND	na	na	na	na	na	na	na	na	na
BH-A	2004	na	na	na	na	54	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-B	2004	na	na	na	na	**1,700,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	9.0	ND	ND	ND	ND	ND	ND
BH-C	2004	na	na	na	na	**230**	na	na	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	0.51	ND	4.7	ND
BH-E	2004	na	na	na	na	**3,600**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-F	2004	na	na	na	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-G	2004	na	na	na	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TCE 0.57
BH-H	2004	na	na	na	na	**1,200,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-I	2004	na	na	na	na	**57,000**	na	na	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	n-Propylbenzene 20
BH-J	2004	na	na	na	na	**1,600,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-K	2004	na	na	na	na	**1,300**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-L	2004	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-M	2004	na	na	na	na	72	na	na	ND	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-N	2004	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-O	2004	na	na	na	na	ND	na	na	1.6	26	2.4	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-P	2004	na	na	na	na	**680**	na	na	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-Q	2004	na	na	na	na	**110,000**	na	na	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND	ND	ND
BH-R	2004	na	na	na	na	**880,000**	na	na	ND	ND	ND	ND	ND	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND
BH-S	2004	na	na	na	na	**520**	na	na	ND	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-T	2004	na	na	na	na	**11,000**	na	na	0.7	12	1.2	6.8	ND	ND	2.0	ND	ND	0.93	ND	ND	ND	ND	ND
BH-U	2004	na	na	na	na	**1,600**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-W	2004	na	na	na	na	**870,000**	na	na	ND	ND	ND	ND	ND	2.6	1.0	ND	ND	4.0	ND	ND	ND	ND	ND
BH-X	2004	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-Y	2004	na	na	na	na	**1,400,000**	na	na	ND	12	ND	12	ND	41	46	ND	ND	ND	ND	ND	ND	ND	ND
BH-Z	2004	na	na	na	na	**59,000**	na	na	ND	11	ND	7.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-AA	2004	na	na	na	na	**2,000,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-BB	2004	na	na	na	na	**1,100,000**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-DD	Aug. 2005	na	na	na	na	**970**	na	na	ND	2.9	0.58	3.8	ND	ND	ND	ND	ND	0.78	ND	ND	ND	ND	ND
BH-EE	Aug. 2005	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-FF	Aug. 2005	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-II-16-20'	Aug. 2005	na	na	na	na	160	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-II-23-27'	Aug. 2005	na	na	na	na	56	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-II-45-50'	Aug. 2005	na	na	na	na	68	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-JJ	Aug. 2005	na	na	na	na	**520**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Date Sampled	TRPH µg/L	Motor Oil µg/L	TEPH µg/L	TPHd µg/L	Mineral Spirits µg/L	TPPH µg/L	TPHg µg/L	Ben-zene µg/L	Tolu-ene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	tert-Butyl Benzene µg/L	sec-Butyl Benzene µg/L	n-Butyl Benzene µg/L	1,2,4-Trimethyl benzene µg/L	Isopropyl benzene µg/L	Vinyl Chloride µg/L	1,1-Dichloro ethene µg/L	cis-1,2 Di-chloroethene µg/L	Other VOCs µg/L
BH-KK	Aug. 2005	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-LL	Aug. 2005	na	na	na	na	ND	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-MM	Aug. 2005	na	na	na	na	**3,500**	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-NN	Aug. 2005	na	na	na	na	ND	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B-1	05/31/06	na	na	na	ND	ND	na	**460**	ND	0.65	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Acetone 47
B-2	05/30/06	na	na	na	ND	ND	na	120	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Acetone 20
B-4	06/07/06	na	na	na	na	na	na	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Celis Site [1,2,6]																							
LF-LFMW-1	08/07/93	11	ND	na	**41,000**	na	na	**100,000**	**13,000**	**9,400**	**3,100**	**14,000**	na	na	na	na	na	na	na	na	na	na	na
LF-LFMW-2	08/07/93	ND	ND	na	95	na	na	**13,000**	**2,400**	**2,900**	**500**	**2,000**	na	na	na	na	na	na	na	na	na	na	na
LF-LFMW-3	08/07/93	ND	ND	na	**780**	na	na	**11,000**	**1,500**	**5,100**	**2,900**	**5,000**	na	na	na	na	na	na	na	na	na	na	na
LF-LFMW-4	01/28/94	na	160	na	**1,400**	na	na	**18,000**	**1,000**	**1,900**	**880**	**4,700.0**	na	na	na	na	na	na	na	na	na	na	na
	09/26/97	na	ND	na	**480**	na	na	**3,200**	44	**6.6**	**49**	**180**	ND	17	na	na	na	na	na	na	na	na	na
	07/10/07	na	na	na	**620**	**260**	na	**450**	3.5	ND	11	1.8	6.2	na	na	na	na	na	na	na	na	na	na
	10/31/07	na	na	na	**3,400**	**450**	na	**780**	1.3	ND	15	1.1	5.7	na	na	na	na	na	na	na	na	na	na
	01/18/08	na	na	na	**1,000**	**500**	na	**970**	4.1	ND	17	0.8	5.0	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	**1,600**	**320**	na	**490**	ND	ND	7.9	ND	2.0	na	na	na	na	na	na	na	na	na	na
	03/12/10	na	na	na	**1,200**	**1,100**	na	**1,200**	0.5	ND	7.2	ND	1.1	na	na	na	na	na	na	na	na	na	na
WCEW-1	09/26/97	na	ND	na	**180,000**	na	na	**110,000**	**2,800**	**4,900**	**3,100**	**12,000**	ND	**120**	na	na	na	na	na	na	na	na	ND
	12/05/97	na	ND	na	95	na	na	**4,700**	**2,100**	**1,800**	**2,500**	**10,000**	340	**170**	na	na	na	na	na	na	na	na	ND
	03/13/98	na	ND	na	**780**	na	na	**7,700**	**2,500**	**1,300**	**1,000**	**3,400**	570	**421**	na	na	na	na	na	na	na	na	ND
	06/02/98	na	**550**	na	**780**	na	na	**3,400**	**2,100**	**460**	**910**	**2,990**	350	**1,000**	na	na	na	na	na	na	na	na	ND
	5/19/2004[5]	na	na	na	ND	**600**	na	**3,700**	**90**	0.66	**48**	56	170	8.3	ND	8.7	ND	14	12	ND	ND	ND	1,3,5 Trimethylbenzene 5.6;
	09/24/09	na	na	na	**1,600**	**390**	na	**1,400**	1.5	ND	1.2	ND	150	na	na	na	na	na	na	na	na	na	TBA 21
	03/14/10	na	na	na	**1,600**	**460**	na	**1,200**	3.5	ND	4.3	1.3	131	na	na	na	na	na	na	na	na	na	TBA 5.4
SB-1-15-20	02/06/06	na	na	na	**310**	110	na	**220**	ND	ND	ND	ND	5.2	ND	ND	8.7	ND	ND	ND	ND	ND	ND	ND	ND
URS-MW-1	07/10/07	na	na	na	**580**	**550**	na	**960**	ND	ND	ND	ND	1.7	na	na	na	na	na	na	na	na	na	na
	10/31/07	na	na	na	**670**	150	na	**270**	ND	ND	ND	ND	1.3	na	na	na	na	na	na	na	na	na	na
	01/18/08	na	na	na	**220**	79	na	150	ND	ND	ND	ND	1.1	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	90	83	na	120	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na
	03/21/10	na	na	na	110	63	na	53	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na
URS-MW-2	07/10/07	na	na	na	**240**	ND	na	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	TBA 18
	10/31/07	na	na	na	180	ND	na	ND	ND	4.4	ND	5.1	160	na	na	na	na	na	na	na	na	na	na
	01/18/08	na	na	na	170	ND	na	ND	ND	ND	ND	ND	160	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	**210**	ND	na	ND	ND	ND	ND	ND	49	na	na	na	na	na	na	na	na	na	TBA 40
	03/21/10	na	na	na	**320**	63	na	53	ND	ND	ND	ND	18	na	na	na	na	na	na	na	na	na	TBA 37
URS-MW-3	07/10/07	na	na	na	ND	ND	na	ND	ND	ND	ND	ND	1.3	na	na	na	na	na	na	na	na	na	na
	10/31/07	na	na	na	50	ND	na	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na
	01/18/08	na	na	na	ND	ND	na	ND	ND	ND	ND	ND	ND	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	ND	ND	na	ND	ND	ND	ND	ND	1.9	na	na	na	na	na	na	na	na	na	na
	03/21/10	na	na	na	ND	ND	na	ND	ND	ND	ND	ND	1.7	na	na	na	na	na	na	na	na	na	na
URS-MW-4	07/10/07	na	na	na	110	ND	na	ND	ND	ND	ND	ND	82	na	na	na	na	na	na	na	na	na	na
	10/31/07	na	na	na	170	ND	na	ND	ND	ND	ND	ND	7.2	na	na	na	na	na	na	na	na	na	na
	01/18/08	na	na	na	110	ND	na	ND	ND	ND	ND	ND	3.9	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	110	ND	na	ND	ND	ND	ND	ND	56	na	na	na	na	na	na	na	na	na	na
	03/21/10	na	na	na	210	ND	na	ND	ND	ND	ND	ND	20	na	na	na	na	na	na	na	na	na	na
URS-MW-5	07/10/07	na	na	na	**820**	160	na	**270**	ND	ND	**22**	ND	99	na	na	na	na	na	na	na	na	na	TBA 11
	10/31/07	na	na	na	**1,400**	**1,400**	na	**2,500**	ND	ND	**270**	ND	47	na	na	na	na	na	na	na	na	na	na
	01/18/09	na	na	na	**2,000**	**540**	na	**1,000**	ND	ND	**110**	ND	49	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	**1,100**	99	na	150	ND	ND	ND	ND	63	na	na	na	na	na	na	na	na	na	na
	03/12/10	na	na	na	**1,100**	160	na	170	ND	ND	1.0	ND	49	na	na	na	na	na	na	na	na	na	na

Sample ID	Date Sampled	TRPH µg/L	Motor Oil µg/L	TEPH µg/L	TPHd µg/L	Mineral Spirits µg/L	TPPH µg/L	TPHg µg/L	Ben-zene µg/L	Tolu-ene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L	MTBE µg/L	Naph-thalene µg/L	tert-Butyl Benzene µg/L	sec-Butyl Benzene µg/L	n-Butyl Benzene µg/L	1,2,4-Trimethyl benzene µg/L	Isopropyl benzene µg/L	Vinyl Chloride µg/L	1,1-Dichloro ethene µg/L	cis-1,2 Di-chloroethene µg/L	Other VOCs µg/L
San Francisco Bread Site [1,6,7,8]																							
SMW-1	09/11/92	na	na	na	200	na	na	**1,400**	**470**	45	43	100	na	na	na	na	na	na	na	na	na	na	na
	12/03/92	na	na	na	na	na	na	ND	ND	ND	1.6	ND	na	na	na	na	na	na	na	na	na	na	na
	03/04/93	na	na	na	na	na	na	**700**	1.1	ND	ND	1.1	na	na	na	na	na	na	na	na	na	na	na
	06/04/93	na	na	na	na	na	na	**2,900**	**340**	58	**50**	**140**	na	na	na	na	na	na	na	na	na	na	na
	09/02/93	na	na	na	na	na	na	**1,500**	**340**	ND	ND	**140**	na	na	na	na	na	na	na	na	na	na	na
	12/01/93	na	na	na	na	na	na	**810**	**170**	23	22	39	na	na	na	na	na	na	na	na	na	na	na
	03/08/94	na	na	na	na	na	na	**5,800**	**1,700**	**430**	**230**	**490**	na	na	na	na	na	na	na	na	na	na	na
MW-3	05/19/04	na	na	na	ND	**420**	na	**1,300**	ND	ND	ND	1.1	5.8	ND	ND	ND	14	ND	ND	ND	ND	ND	1,3,5 Trimethylbenzene 12
	09/24/09	na	na	na	110	ND	ND	ND	ND	ND	ND	ND	2.4	na	na	na	na	na	na	na	na	na	na
	03/14/10	na	na	na	130	ND	7.2	58	4.6	ND	7.2	5.6	1.9	na	na	na	na	na	na	na	na	na	TBA 4.1
URS-MW-5	07/10/07	na	na	na	**820**	160	na	**270**	0.6	ND	22	ND	99	na	na	na	na	na	na	na	na	na	na
	10/31/07	na	na	na	**1,400**	**1,400**	na	**2,500**	3.9	ND	**270**	ND	47	na	na	na	na	na	na	na	na	na	na
	01/18/08	na	na	na	**2,000**	**540**	na	**1,000**	3.3	ND	**110**	ND	49	na	na	na	na	na	na	na	na	na	na
	09/21/09	na	na	na	**1,100**	99	na	150	ND	ND	ND	ND	63	na	na	na	na	na	na	na	na	na	na
	03/12/10	na	na	na	**1,100**	160	na	170	ND	ND	1.0	ND	49	na	na	na	na	na	na	na	na	na	na

Concentrations in bold script exceed the 2008 San Francisco Bay Area RWQCB's Residential Environmental Screening Levels in shallow soils where groundwater is not a source of drinking water.

Notes:

(1) Data Source: Levine-Fricke 1994, 1993
(2) Data Source: Woodward-Clyde International-Americas 1997, 1998
(3) Data Source: Aqua Science Engineers, Inc. 2005a,b
(4) Data Source: Clayton Group Services 2007, 2004a,b, 2003, 2002
(5) Data Source: Hageman-Aquiar, Inc. 1992
(6) Data Source: URS 2006, 2007a, 2009
(7) Data Source: The San Joaquin Company 2005
(8) Data Source: SEACOR Science and Engineering Analysis Corporation 1992
(9) Data Source: Environmental Resource Management 2006
(10) ND = Not Detected above the Method Detection Limit (MDL).
(11) na = Not Analyzed.

TABLE 7

DEC

Table 7

RESULTS OF ANALYSES OF SOIL SAMPLES RECOVERED FROM FLOORS OF REMEDIAL EXCAVATIONS
August 10 - 30, 2007

Sample ID	Date Sampled	Elevation NAVD *ft.*	TPHd (diesel) mg/Kg	Mineral Spirits mg/Kg	TPHg (gasoline) mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylben-zene mg/Kg	Total Xy-lenes mg/Kg
Remedial Excavation No. 1									
W275N08	08/28/07	36.62	3.0	1.7	9.7	ND	ND	ND	ND
W275N30	08/28/07	36.73	29	40	**510**	**0.97**	2.8	**8.5**	**51**
W275N55	08/30/07	36.06	32	26	**140**	ND	ND	ND	ND
W275N80	08/30/07	36.73	18	19	85	ND	ND	ND	ND
W275N105	08/28/07	36.74	54	ND	1.7	0.014	0.048	0.087	0.57
W305N08	08/28/07	36.13	ND	ND	1.9	ND	ND	ND	ND
W305N30	08/28/07	36.04	3.1	4.1	**130**	ND	2.0	1.8	9.3
W305N55	08/28/07	36.10	4.1	5.7	59	ND	ND	ND	2.6
W305N80	08/28/07	35.29	8.2	10	0.32	ND	ND	ND	ND
W305N115	08/28/07	36.47	ND	ND	ND	ND	ND	ND	ND
W335N08	08/28/07	35.69	ND	ND	ND	ND	ND	ND	ND
W335N30	08/28/07	35.66	42	57	**140**	ND	ND	ND	4.1
W335N55	08/28/07	34.96	6.5	8.4	7.7	ND	ND	ND	ND
W335N80	08/28/07	35.50	ND	ND	ND	ND	ND	ND	ND
W335N105	08/28/07	35.40	100	**140**	**120**	ND	ND	ND	ND
Remedial Excavation No. 2									
W0N0	08/14/07	40.81	28	6.3	3.2	ND	ND	ND	ND
W0N25	08/14/07	40.54	ND	ND	ND	ND	ND	ND	ND
W0N35	08/14/07	40.42	ND	ND	ND	ND	ND	ND	ND
W0N50	08/14/07	40.25	ND	ND	ND	ND	ND	ND	ND
W0N65	08/14/07	40.81	ND	ND	ND	ND	ND	ND	ND
W15N61	08/10/07	40.57	ND	ND	ND	ND	ND	ND	ND
W25N0	08/14/07	39.47	ND	ND	ND	ND	ND	ND	ND
W25N25	08/14/07	39.94	ND	ND	ND	ND	ND	ND	ND
W25N50	08/17/07	40.71	ND	ND	ND	ND	ND	ND	ND
W25N75	08/17/07	41.05	ND	ND	ND	ND	ND	ND	ND
W50N0	08/22/07	39.95	3.0	ND	ND	ND	ND	ND	ND
W50N50	08/17/07	40.41	ND	ND	ND	ND	ND	ND	ND
W50N75	08/17/07	40.44	ND	ND	ND	ND	ND	ND	ND
W75N0	08/22/07	40.61	19	24	**350**	ND	3.9	**8.1**	**21**
W75N25	08/22/07	40.22	26	29	**280**	ND	3.9	**2.9**	9.2
W75N50	08/17/07	40.19	ND	ND	0.90	0.0077	ND	ND	ND
W75N75	08/17/07	40.92	ND	ND	ND	ND	ND	ND	ND
W100N0	08/23/07	40.38	13	14	**180**	ND	1.6	**2.9**	**16**
W100N25	08/23/07	40.72	18	15	**150**	ND	ND	2.3	ND
W100N50	08/17/07	40.23	ND	ND	0.70	0.0094	ND	0.0051	ND

DEC

Sample ID	Date Sampled	Elevation NAVD *ft.*	TPHd (diesel) mg/Kg	Mineral Spirits mg/Kg	TPHg (gasoline) mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg
W100N75	08/17/07	40.21	ND	ND	ND	ND	ND	ND	ND
W125N0	08/23/07	40.54	7.1	9.2	72	ND	ND	1.2	3.9
W125N25	08/27/07	40.36	32	31	100	ND	ND	ND	ND
W125N50	08/27/07	39.72	9.3	7.6	**150**	ND	ND	ND	ND
W125N75	08/17/07	40.53	ND	ND	ND	ND	ND	ND	ND
W150N0	08/23/07	39.65	10	9.9	96	ND	ND	1.1	3.2
W150N25	08/23/07	40.09	18	21	**290**	ND	ND	**6.0**	8.2
W150N50	08/17/07	39.32	ND	ND	ND	ND	ND	ND	ND
W175N0	08/23/07	39.93	2.6	1.6	2.9	ND	ND	ND	ND
W175N25	08/23/07	40.39	2.8	2.4	9.0	0.020	ND	0.11	0.0099
W175N50	08/27/07	39.89	ND	ND	ND	ND	ND	ND	2.4
W175N75	08/27/07	39.13	ND	ND	ND	ND	ND	ND	ND
W200N0	08/27/07	40.30	ND	ND	0.47	ND	ND	ND	ND
W200N50	08/27/07	40.06	5.6	5.2	93	ND	ND	1.6	ND
W200N75	08/27/07	39.92	**940**	**1300**	**5100**	ND	ND	**50**	**270**
W213N25	08/27/07	40.76	6.8	5.4	6.5	ND	ND	0.055	ND

Notes:

(1) Concentrations in **bold** script exceed the 2008 San Francisco Bay Area RWQCB's Environmental Screening Levels for residential property in shallow soils where groundwater is not a source of drinking water.

(2) ND = Not Detected above the Method Detection Limit (MDL).

DEC

TABLE 8

DEC

TABLE 8

RWQCB TIER 1 CONCENTRATION LIMITS (ESLs)
FOR CHEMICALS OF CONCERN IN SHALLOW SOIL, GROUNDWATER AND SOIL GAS
AT SITES WHERE SGROUNDWATER IS NOT A SOURCE OF DRINKING WATER
Shallow = <3m BGS for soil; <1.5m BGS for soil gas.

	Limiting Concentrations to Protect Human Health				
	Soil		***Groundwater***	***Soil Gas for Vapor Intrusion***	
Chemical of Concern	Residential mg/Kg	Commercial mg/Kg	Resid. or Comm. µg/L	Residential $\mu g/m^3$	Commercial $\mu g/m^3$
Acetone	0.50	0.50	1,500	666,000	1,800,000
Aroclor® 1260 (PCBs)	0.22	0.74	0.014	n/a	n/a
Antimony	6.3	40	30	n/a	n/a
Arsenic	0.39	1.6	36	n/a	n/a
Barium	750	1,500	1,000	n/a	n/a
Benzene	0.12	0.27	46	84	280
Beryllium	4.0	8.0	0.53	n/a	n/a
2-Butatone (Metyl Ethyl Ketone)	13	13	14,000	1,000,000	2,900,000
n-Butylbenzene (1-Phenylbutane)	ne	ne	ne	ne	ne
sec-Butylbenzene (Butyl Benzene)	ne	ne	ne	ne	ne
tert-Butylbenzene	ne	ne	ne	ne	ne
Cadmium	1.7	7.4	0.25	n/a	n/a
Chromium III	750	750	180	n/a	n/a
Chromium VI	8.0	8.0	11	n/a	n/a
Cobalt	40	80	3.0	n/a	n/a
Copper	230	230	3.1	n/a	n/a
Dibromoethane (EDB)	ne	ne	ne	ne	ne
Ethyl benzene	2.3	4.7	43	980	3,300
Lead	200	750	2.5	n/a	n/a
Mercury	1.3	10	0.025	n/a	n/a
2-Methylnaphthalene	0.25	0.25	2.1	ne	ne
4-Methylphenol	ne	ne	ne	ne	ne
Methyl Teritary Butyl Ether	8.4	8.4	1,800	9,400	31,000
Methylene Chloride	7.2	17	2,200	5,200	17,000

Chemical of Concern	Limiting Concentrations to Protect Human Health				
	Soil		***Groundwater***	***Soil Gas for Vapor Intrusion***	
	Residential mg/Kg	Commercial mg/Kg	Resid. or Comm. µg/L	Residential $\mu g/m^3$	Commercial $\mu g/m^3$
Molybdenum	40	40	240	n/a	n/a
Naphthalene	1.3	2.8	24	72	240
Nickel	150	150	8.2	n/a	n/a
Isopropylbenzene (Cumene)	ne	ne	ne	ne	ne
p-Isopropylbenzene	ne	ne	ne	ne	ne
p-Isopropyltoluene (p-Cymene)	ne	ne	ne	ne	ne
n-Propylbenzene (Isocumene)	ne	ne	ne	ne	ne
Selinium	10	10	5.0	n/a	n/a
Silver	20	40	0.19	n/a	n/a
Tetrachlorethene	0.47	0.90	120	410	4100
Thallium	1.3	16	4.0	n/a	n/a
Toluene	9.3	9.3	130	63,000	180,000
TPHd, TPHms (Diesel and Mineral Spirits)	100	180	210	10,000	29,000
TPHg (Gasoline)	100	180	210	10,000	29,000
Trichloroethene	1.9	4.1	360	1,200	4,100
1,2,4 Trimethylbenzene	ne	ne	ne	ne	ne
1,3,5 Trimethylbenzene	ne	ne	ne	ne	ne
Vanadium	16	200	19	n/a	n/a
Xylene Isomers (Total)	11.0	11.0	100	21,000	58,000
Zinc	600	600	81	n/a	n/a

Notes:

n/a = not applicable to soil gas
ne = not established in the RWQCB ESL guidance document (California Regional Water Quality Control Board San Francisco Bay Region (2008), *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.* California Regional Water Quality Control Board San Francisco Bay Region INTERIM FINAL. November 2007 (Revised May 2008).

TABLE 9

DEC

TABLE 9

RWQCB TIER 1 CONCENTRATION LIMITS (ESLs)
FOR CHEMICALS OF CONCERN IN DEEP SOIL, GROUNDWATER AND SOIL GAS
AT SITES WHERE SGROUNDWATER IS NOT A SOURCE OF DRINKING WATER

Deep = >3m BGS for soil; >1.5m BGS for soil gas.

	Limiting Concentrations to Protect Human Health				
	Soil		***Groundwater***	***Soil Gas for Vapor Intrusion***	
Chemical of Concern	Residential mg/Kg	Commercial mg/Kg	Resid. or Comm. µg/L	Residential $\mu g/m^3$	Commercial $\mu g/m^3$
Acetone	0.50	0.50	1,500	666,000	1,800,000
Aroclor® 1260 (PCBs)	6.3	6.3	0.014	n/a	n/a
Antimony	310	310	30	n/a	n/a
Arsenic	15	15	36	n/a	n/a
Barium	2,500	2,600	1,000	n/a	n/a
Benzene	2.0	2.0	46	84	280
Beryllium	98	98	0.53	n/a	n/a
2-Butatone (Metyl Ethyl Ketone)	13	13	14,000	1,000,000	2,900,000
n-Butylbenzene (1-Phenylbutane)	ne	ne	ne	ne	ne
sec-Butylbenzene (Butyl Benzene)	ne	ne	ne	ne	ne
tert-Butylbenzene	ne	ne	ne	ne	ne
Cadmium	39	39	0.25	n/a	n/a
Chromium III	2,500	5,000	180	n/a	n/a
Chromium VI	0.53	0.53	11	n/a	n/a
Cobalt	94	94	3.0	n/a	n/a
Copper	2,500	5,000	3.1	n/a	n/a
Dibromoethane (EDB)	ne	ne	ne	ne	ne
Ethyl benzene	4.7	4.7	43	980	3,300
Lead	750	750	2.5	n/a	n/a
Mercury	58	58	0.025	n/a	n/a
2-Methylnaphthalene	0.25	0.25	2.1	ne	ne
4-Methylphenol	ne	ne	ne	ne	ne
Methyl Teritary Butyl Ether	8.4	8.4	1,800	9,400	31,000
Methylene Chloride	34	34	2,200	5,200	17,000

Chemical of Concern	Limiting Concentrations to Protect Human Healtl				
	Soil		***Groundwater***	***Soil Gas for Vapor Intrusion***	
	Residential mg/Kg	Commercial mg/Kg	Resid. or Comm. µg/L	Residential $\mu g/m^3$	Commercial $\mu g/m^3$
Molybdenum	2,500	3,900	240	n/a	n/a
Naphthalene	4.8	4.8	24	72	240
Nickel	260	260	8.2	n/a	n/a
Isopropylbenzene (Cumene)	ne	ne	ne	ne	ne
p-Isopropylbenzene	ne	ne	ne	ne	ne
p-Isopropyltoluene (p-Cymene)	ne	ne	ne	ne	ne
n-Propylbenzene (Isocumene)	ne	ne	ne	ne	ne
Selinium	2,500	3,900	5.0	n/a	n/a
Silver	2,500	3,900	0.19	n/a	n/a
Tetrachlorethene	17	17	120	410	4100
Thallium	62	62	4.0	n/a	n/a
Toluene	9.3	9.3	130	63,000	180,000
TPHd, TPHms (Diesel and Mineral Spirits)	180	180	210	10,000	29,000
TPHg (Gasoline)	180	180	210	10,000	29,000
Trichloroethene	33	33	360	1,200	4,100
1,2,4 Trimethylbenzene	ne	ne	ne	ne	ne
1,3,5 Trimethylbenzene	ne	ne	ne	ne	ne
Vanadium	770	770	19	n/a	n/a
Xylene Isomers (Total)	11	11	100	21,000	58,000
Zinc	2,500	5,000	81	n/a	n/a

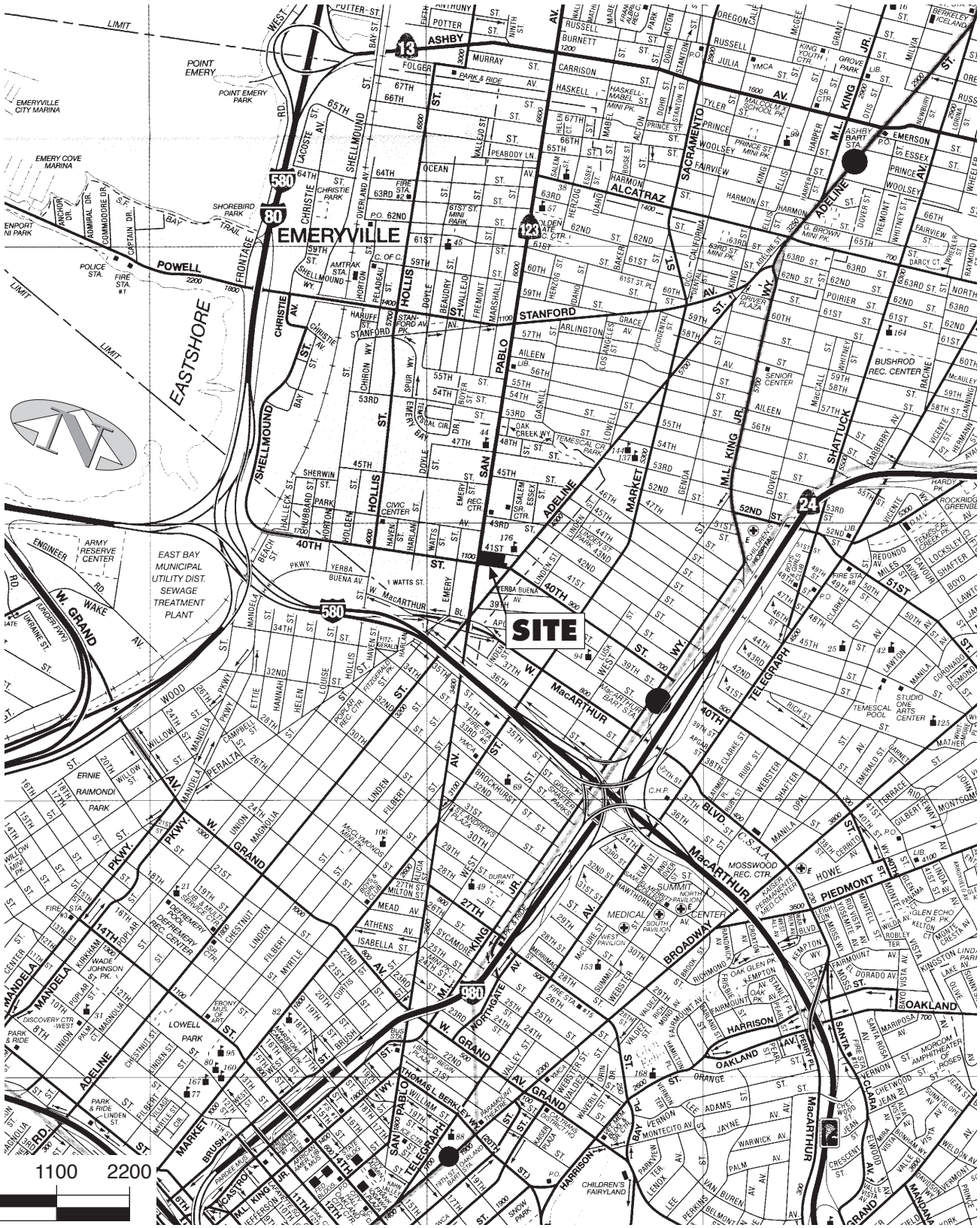
Notes:

n/a = not applicable to soil gas

ne = not established in the RWQCB ESL guidance document (California Regional Water Quality Control Board San Francisco Bay Region (2008), *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.* California Regional Water Quality Control Board San Francisco Bay Region INTERIM FINAL. November 2007 (Revised May 2008).

FIGURES

DEC



Basemap: AAA; Oakland-Berkeley-Alameda (12/02)

SITE LOCATION

Oak Walk Site

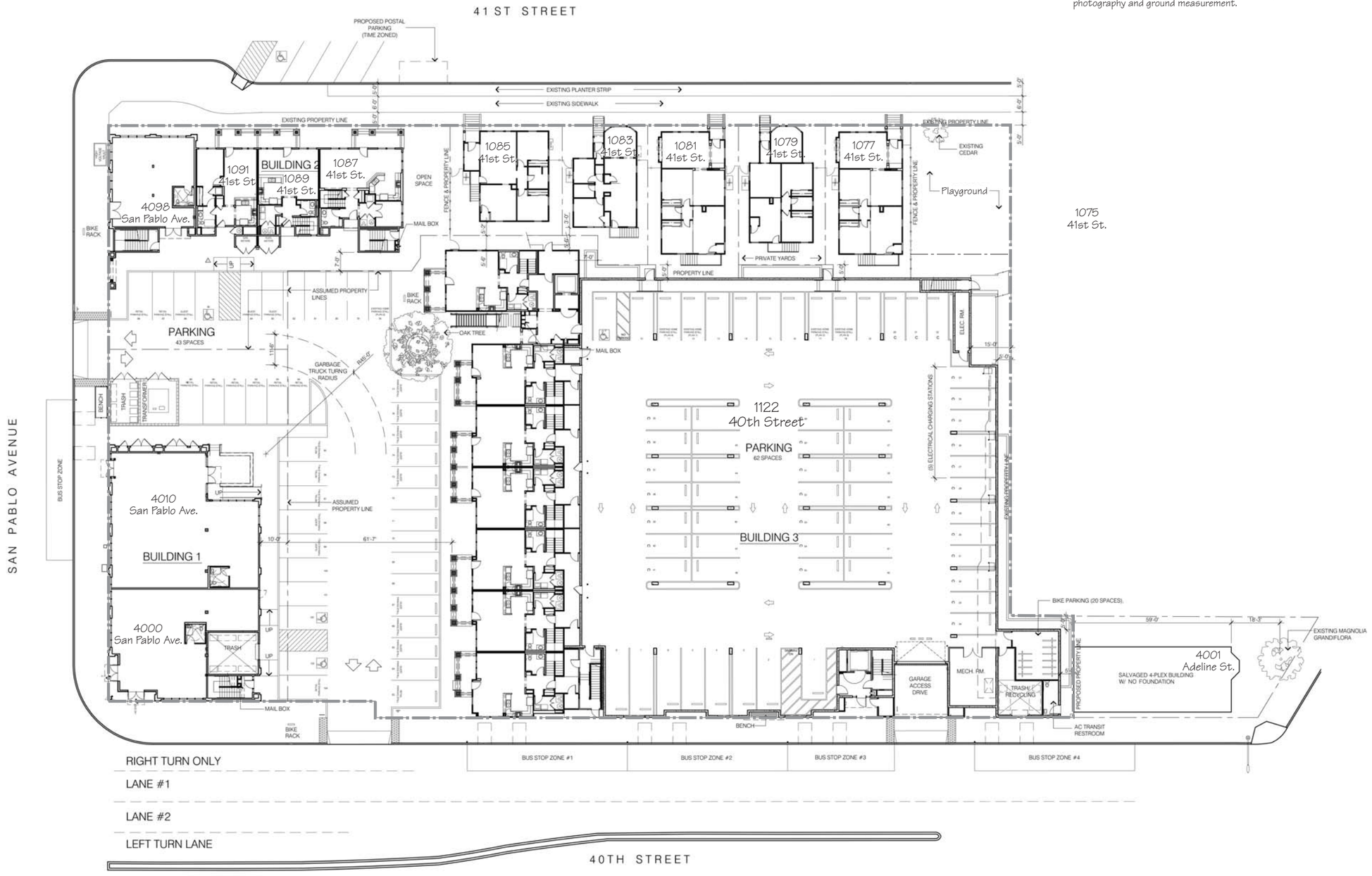
Emeryville, California

FIG 1	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40

SCALE IN FEET



SITE PLAN
Oak Walk Site
Emeryville, California

FIG 2	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/10/10

Base Map:
This based map was prepared from various resources, including information provided by:

- Hunt Hale Jones Architects
(Project # 429001.00, Revision Date 12.03.08.)
- Bay Area Land Surveying - ALTA / ACSM Land Title Survey:
Portion of Lots 3, 4, 5 & 6 of the H.C. Dohr's Homestead
(Nov. 2003)
- Sandis Humber Jones - ALTA / ACSM Land Title Survey:
San Pablo Ave. & 40th Street Extension
Drawing No. 600104.ALTA (7/25/01)
- Clayton Group Services - Monitoring Well Locations
Former Dunner Paints 1007 41st St. Oakland,
Figure 2, Project No. 70-03365.04 (12/05/03)
- Clayton Group Services - Historical Subject Property Plan
1007 41st St & 4050 Adeline St., Oakland,
Figure 3, Project No. 70-03365.00 (09/06/02)
- Aerial Photography and Ground Measurement

N

0 40 80 120

SCALE IN FEET
(approximate)

Note:
Except on Andante and Frank Dunn sites, location and continuity of paleo streambed deposits are tentative. Continuity of paleo streambed channels as shown on Boyson Paint Site, 41st Street, Ennis Property, 40th Street, California Linen Rental, and Adeline Street are assumed based on a preponderance of available boring log, hydrostratigraphic and geochemical data.

Oak Walk Site
Boyson Paint Site
1001/42nd Street
Ennis Property
Frank Dunne Site
Andante Condominiums
1121 40th Street
CA Linen Rental Site
989 41st Street
Parking Lot
41st Street
40th Street
42nd Street
Adeline Street
San Pablo Avenue
Linden Street
Former Remedial Excavation
Former Celis Alliance Gas Station
4000 San Pablo Avenue
Former Anderson Linoleum & Carpet Sales Warehouse
Former SF French Polish Co.
Location of Former Fuel USTs (10,000 gallon gasoline) (10,000 gallon diesel)
Former Location of Tank 1: 1500gal. UG Heating Oil Tank
Former Location of Tank 2: 500gal. UG Gasoline Tank
Former Location of Tank 3: 1500gal. UG Heating Oil Tank
Former Location of 125' Steel Pipe From Heating Oil Tank
8in. dia. Cast Iron Sewer Pipe Plugged at San Pablo Ave. Property Boundary
Clay Cutoff
Former Dunner Paints
Former Sump
MW-104 (destroyed)
Bank Club
3800 San Pablo Ave.

EXPLANATION

MW-1	SJC Monitoring Well (Oak Walk)	WCW-1	Woodward-Clyde Soil Sample
MWT-1	SJC Temporary Monitoring Well (Oak Walk)	LFSB-14	Levine • Fricke Soil Boring
BE-1	SJC Environmental Boring (Oak Walk)	LFB-1	Levine • Fricke Soil Boring
BG-1	SJC Geotech Boring (Oak Walk)	LFMW-LF-2	Levine • Fricke Monitoring Well
CPT-1	Cone Penetrometer Test Location (Oak Walk)	HEB-2	Harza Exploratory Boring
	Exploratory Trench	SMW-1	SECOR Monitoring Well
	Underground Storage Tank (removed)	AEGP-6	APEX Envirotech , Inc. Boring
WCEW-1	Woodward-Clyde Extraction Well	SJC MW-T1	SJC Temporary Monitoring Well (SNK Andante)
OB-6	Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)		Paleo Streambed, Gravelly Areas
B-2	Clayton Boring (Ennis)	ET1-S-6	Trench Soil Sample Location
CDB-10	Clayton Boring (Dunn)	MW-D1	Dunne Paints Monitoring Well
B-2	ERM Boring (6/06)	HP-2	ASE Boring
MW-B1	Kozel Property Monitoring Well	BH-S	ASE Temporary Well
URS-SB-1	URS Geoprobe Soil Boring	ESC-MW-1	Environmental Strategies Corp Monitoring Well
URS-MW-3	URS Monitoring Well	HAB-4	Hageman-Aguiar, Inc. Soil Boring
RGA-B17	RGA Environmental Boring	CPT-2	Cone Penetrometer Test (SCI)
	Extraction Well	SB-2	Soil Boring (SCI)

UNAUTHORIZED RELEASE SITES IN NEIGHBORHOOD OF SUBJECT PROPERTY
Oak Walk Site
Emeryville, California

FIG 3	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08.) aerial photography and ground measurement.

0 20 40
SCALE IN FEET

41st Street
40th Street
San Pablo Avenue
Adeline Street

MW-6A MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-16A MW-16B MW-16C
MWT-1 MWT-2 MWT-3 MWT-4 MWT-5 MWT-6 MWT-7 MWT-8 MWT-9 MWT-10 MWT-11 MWT-12 MWT-13 MWT-14
MW-2 MW-3 MW-4 MW-5
WCEW-1
OB-4 OB-5 OB-6 OB-8 OB-9
CW-2 CW-3
CPT-1 CPT-2
BE-1 BE-2 BE-3 BE-4 BE-5 BE-6
BG-1 BG-2
SG-1 SG-2 SG-3 SG-4 SG-5 SG-6 SG-7 SG-8 SG-9 SG-10
B-1 B-2 B-3 B-4 B-5 B-6 Ennis Boring

Trench 1 Trench 2 Trench 3 Trench 4 Trench 5 Trench 6 Trench 7 Trench 8 Trench 9 Trench 10 Trench 11

Groundwater Extraction Pit 1

Remedial Excavation No.1 (7ft. deep)
Remedial Excavation No.2 (6ft. deep)

Location of Former Fuel USTs
(10,000 gallon gasoline)
(10,000 gallon diesel)

4098 San Pablo Ave.
4010 San Pablo Ave.
4000 San Pablo Ave.
1091 41st St.
1089 41st St.
1087 41st St.
1085 41st St.
1083 41st St.
1081 41st St.
1079 41st St.
1077 41st St.
1075 41st St.
1122 40th Street
4001 Adeline St.

BUILDING 1
BUILDING 2
BUILDING 3
PARKING 43 SPACES
PARKING 62 SPACES
ENNIS PROPERTY
PRIVATE YARDS
PUBLIC OPEN SPACE
SALVAGED 4-PLEX BUILDING W/ NO FOUNDATION

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

EXPLANATION

- MWT-1 — Closed SJC Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank
- WCEW-1 — Woodward-Clyde Extraction Well
- MW-10 — Post-Remediation Monitoring Well
- SG-1 — Soil Gas Sample

NOTE:
All SJC Monitoring Wells (MW) and Borings (B) are TD 20' unless noted otherwise.

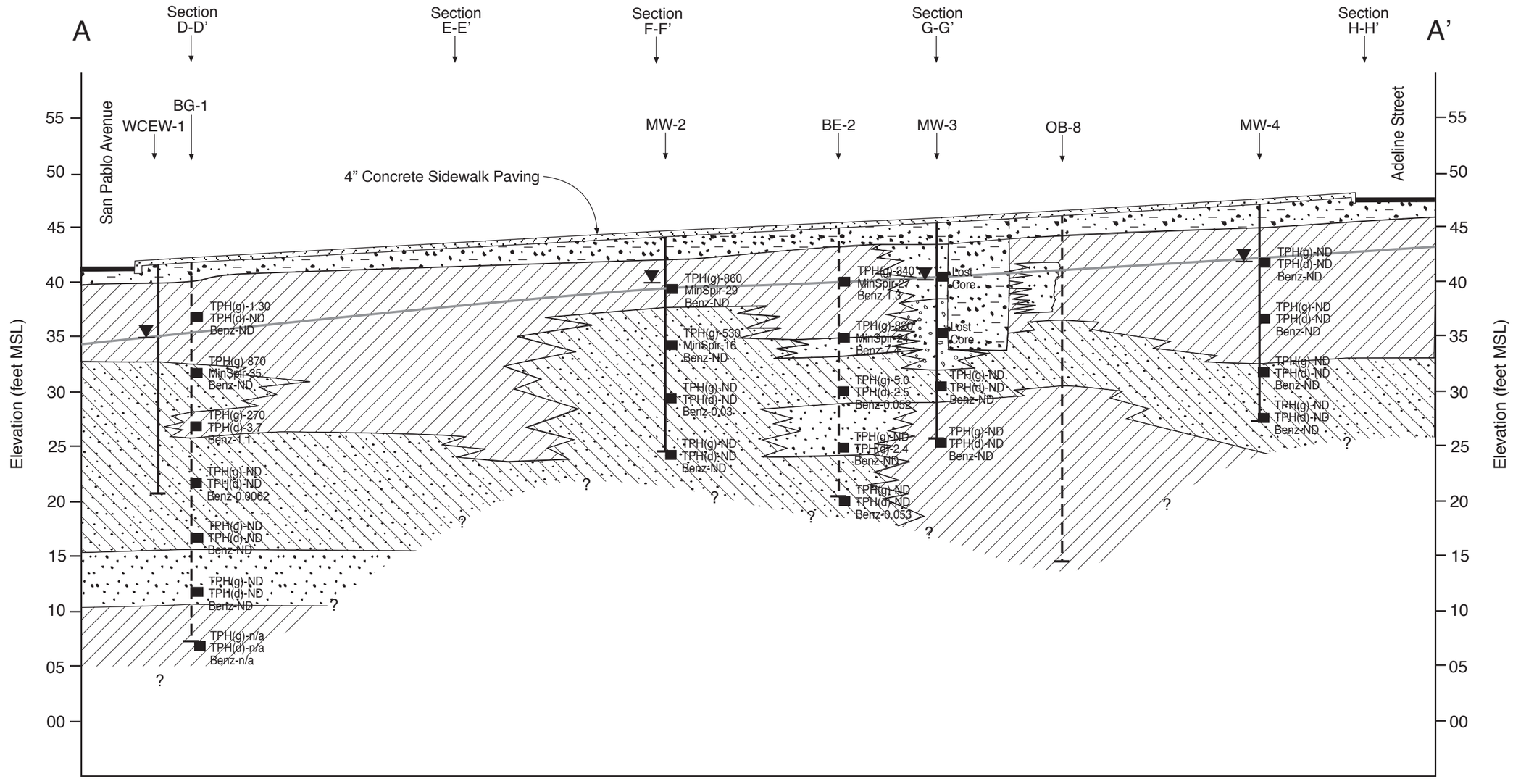
BORINGS, WELL LOCATIONS & EXPLORATORY TRENCH LOCATIONS

Oak Walk Site
Emeryville, California

FIG 4

DIETZ ENGINEERING AND CONSTRUCTION, INC.

Project Number: 0707.1001
Drawn by: GNM | Date: 05/10/10



EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION A-A'

Oak Walk Site

Emeryville, California

FIG 5	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10

Oak Walk Site

San Pablo Ave. | Building 3 1122 40th St. | Ennis Property | Adeline Street

Residence | Parking

B | Section D-D' | Section E-E' | Section F-F' | Section G-G' | Shed | Residence | Section H-H' | B'

MW-5 | MWT-4 | BG-2 | MWT-8 | CW-3 | OB-5

Elevation (feet MSL): 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 05, 00

MW-5: TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-1000, MinSpir-27, Benz-ND; TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-ND, TPH(d)-ND, Benz-ND

MWT-4: TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-120, MinSpir-16, Benz-ND; TPH(g)-ND, TPH(d)-2.4, Benz-ND

BG-2: TPH(g)-1200, MinSpir-47, Benz-ND; TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-n/a, TPH(d)-n/a, Benz-n/a; TPH(g)-n/a, TPH(d)-n/a, Benz-n/a; TPH(g)-n/a, TPH(d)-n/a, Benz-n/a

MWT-8: TPH(g)-ND, TPH(d)-ND, Benz-ND; TPH(g)-n/a, TPH(d)-n/a, Benz-n/a; TPH(g)-ND, TPH(d)-ND, Benz-ND

CW-3 | OB-5

EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION B-B'

Oak Walk Site

Emeryville, California

FIG 6	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10

San Pablo Ave. — Oak Walk Site Frontage — Ennis Property Frontage — Adeline Street

C — Section D-D' — Section E-E' — Section F-F' — Section G-G' — Section H-H' — C'

MW-6 | MW-7 | MWT-9 | MW-10 | MWT-10 | MW-8 | B-4 | B-1 | OB-4

Elevation (feet MSL): 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 05, 00

MW-6: TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-n/a TPH(d)-n/a Benz-n/a; TPH(g)-ND TPH(d)-ND Benz-ND

MW-7: TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-n/a TPH(d)-n/a Benz-n/a; TPH(g)-ND TPH(d)-7.9 Benz-ND

MWT-9: TPH(g)-ND TPH(d)-3.3 Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-n/a TPH(d)-n/a Benz-n/a; TPH(g)-ND TPH(d)-14 Benz-ND

MW-10: TPH(g)-0.92 TPH(d)-ND. Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND

MWT-10: TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-n/a TPH(d)-n/a Benz-n/a; TPH(g)-ND TPH(d)-ND Benz-ND

MW-8: TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-ND TPH(d)-ND Benz-ND; TPH(g)-n/a TPH(d)-n/a Benz-n/a; TPH(g)-ND TPH(d)-ND Benz-ND

B-4: ?

B-1: ?

OB-4: ?

?

EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

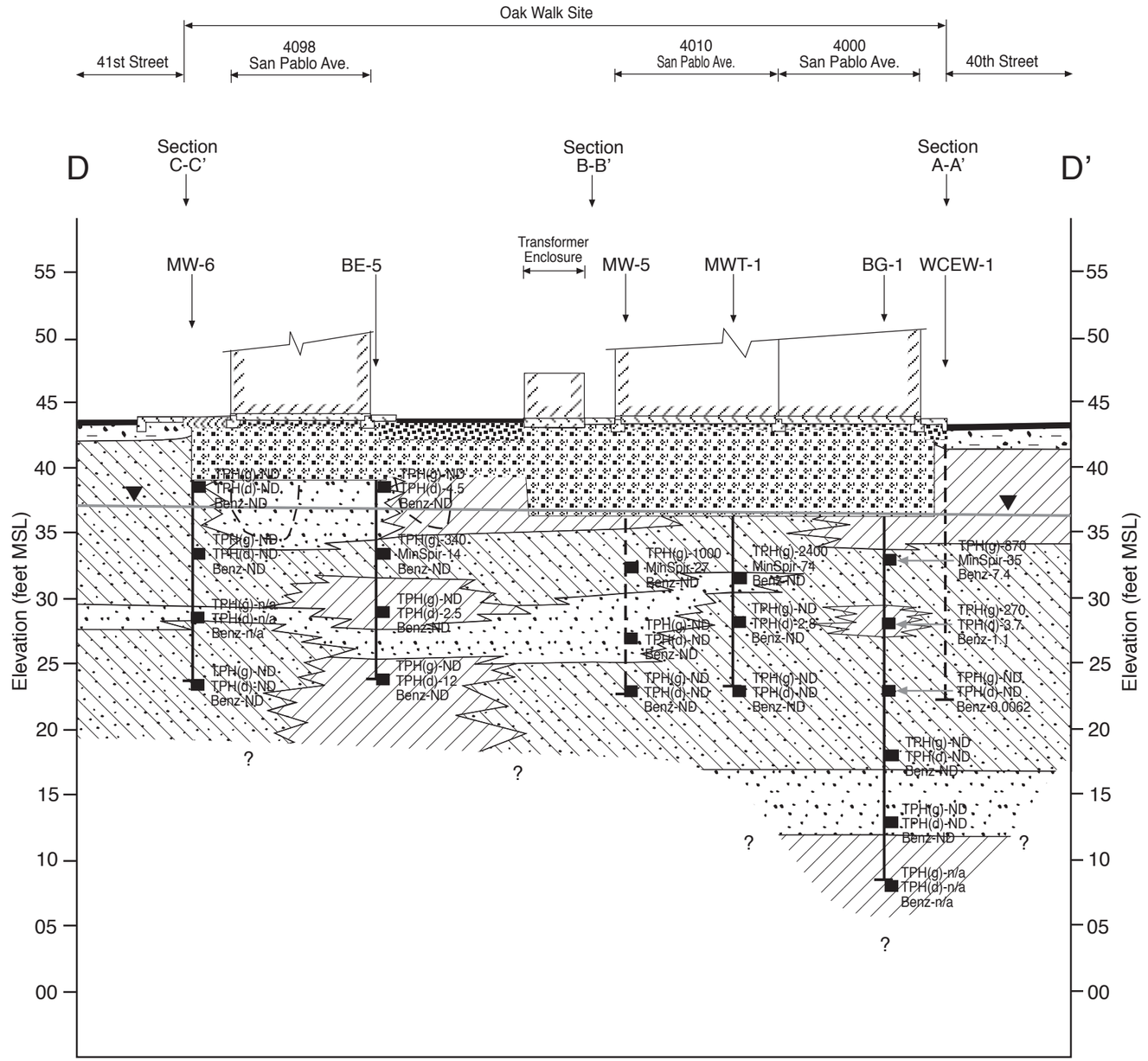
HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION C-C'

Oak Walk Site

Emeryville, California

FIG 7	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10



EXPLANATION

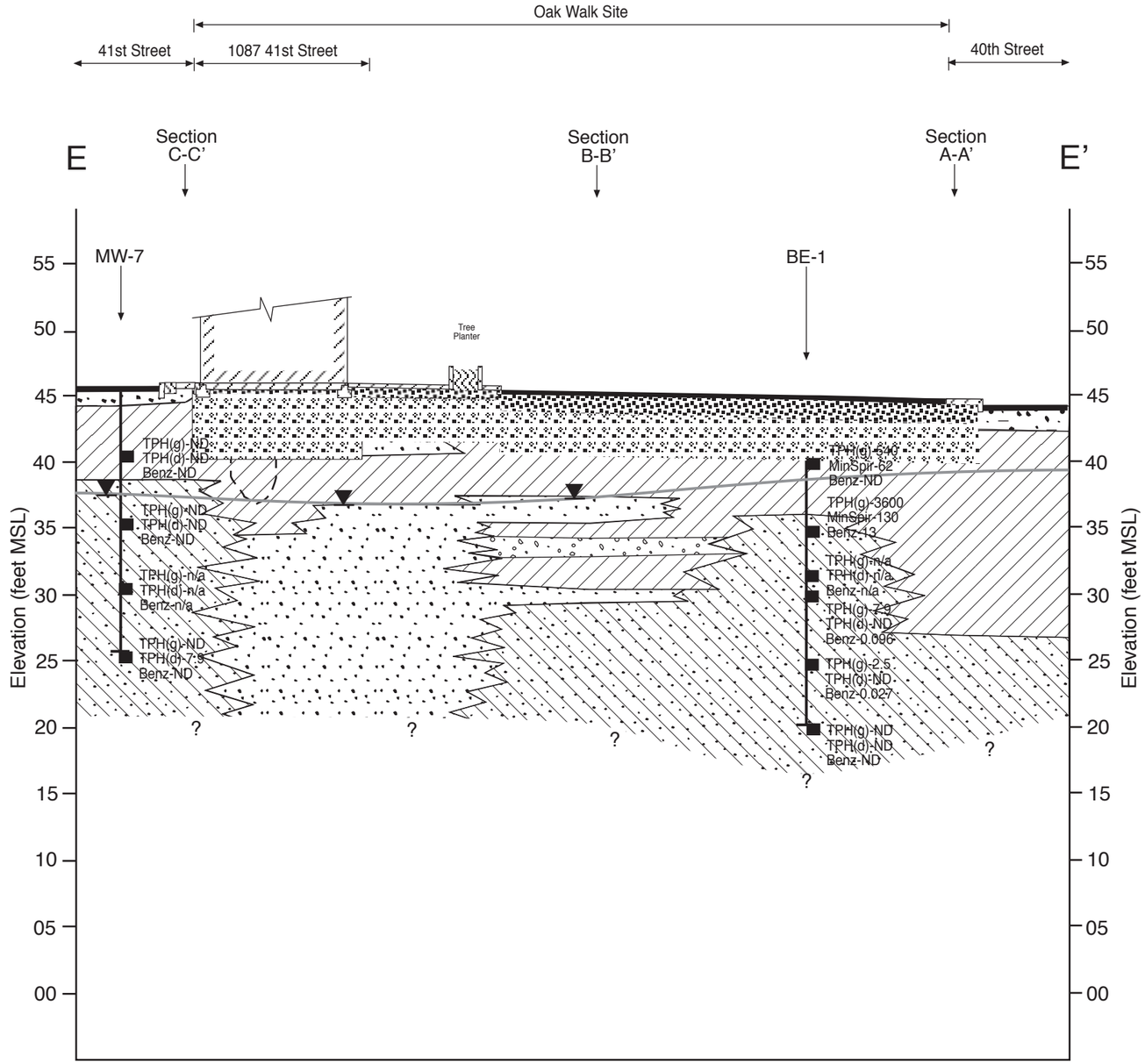
- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION D-D'
Oak Walk Site
Emeryville, California

FIG 8	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10



EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

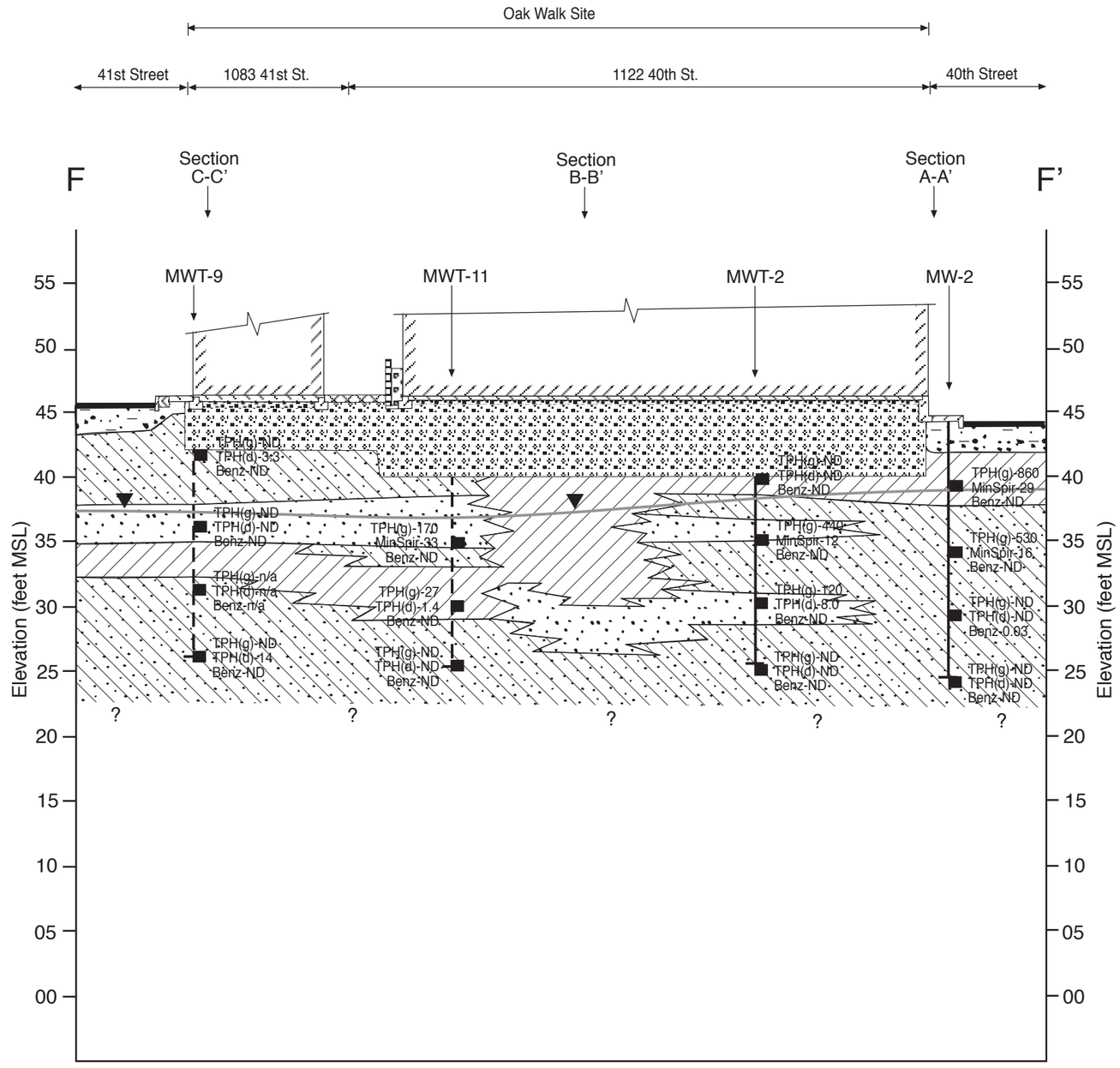
HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION E-E'

Oak Walk Site

Emeryville, California

FIG 9	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10



EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

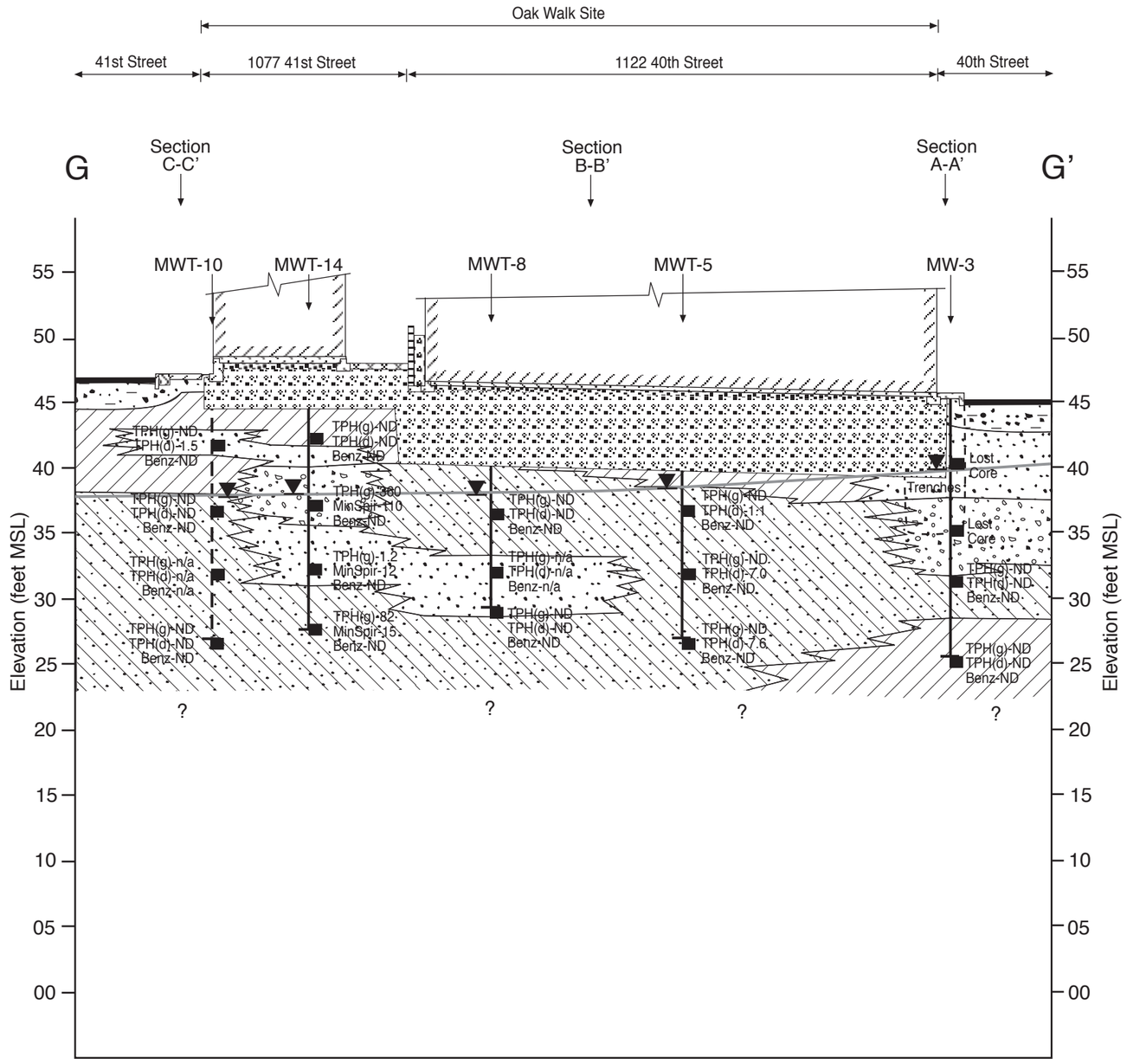
HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION F-F'

Oak Walk Site

Emeryville, California

FIG 10	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10



EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

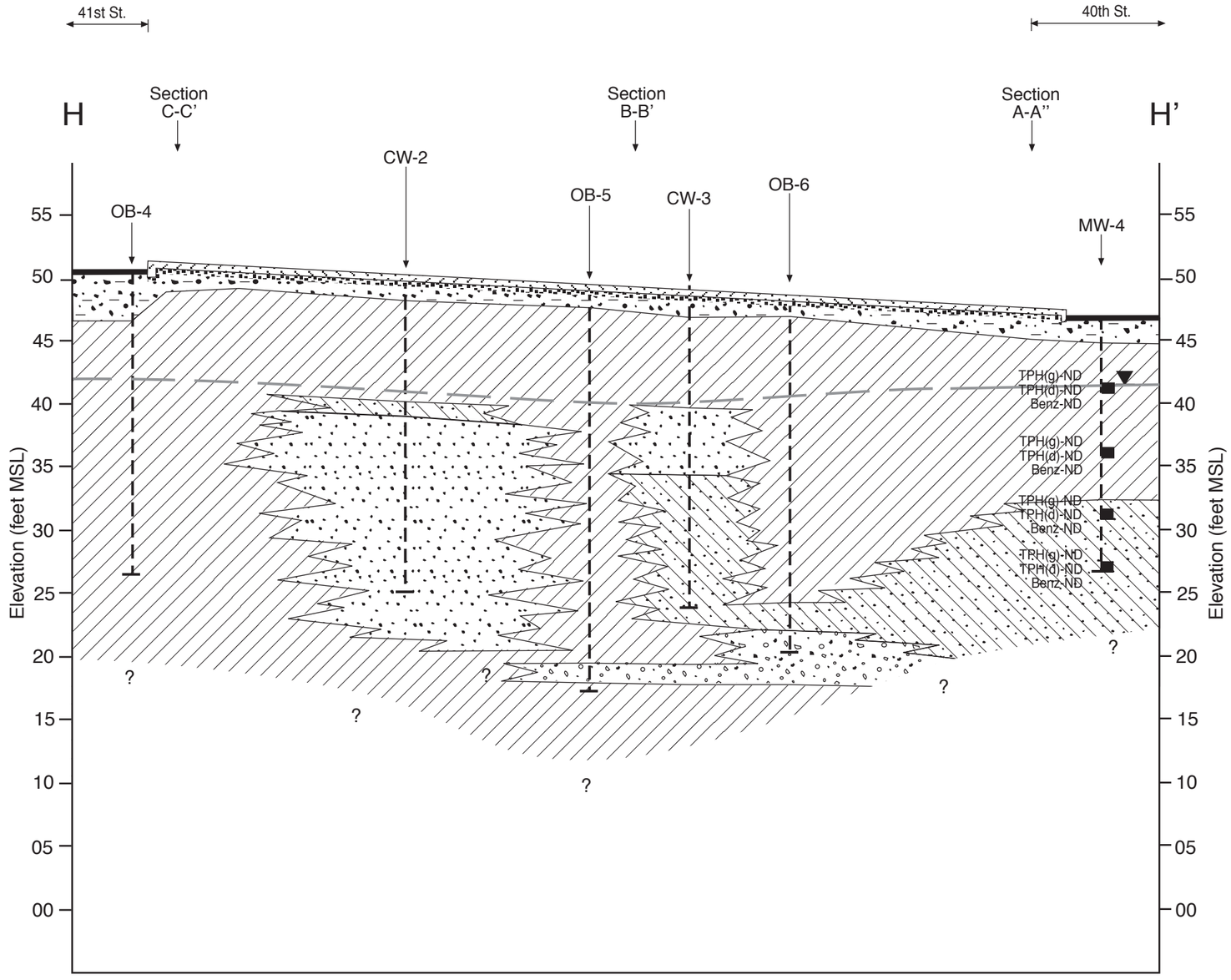
HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION G-G'

Oak Walk Site

Emeryville, California

FIG 11	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10



EXPLANATION

- Clays and Silty Clays
- Sandy Clay and Clays with some Silt, Sand or Gravel
- Silts, Clayey Gravel and Sands
- Gravel
- Gravelly Fill
- Water Table (11/08/04)
- Gasoline-340 MineralSpirits/TPH(d)-27 Benzene-ND — Soil Sample Analysis Results (mg/kg)
- Engineered Fill
- A/B/ Gravel Fill

0 40 80

HORIZONTAL SCALE IN FEET

HYDROSTRATIGRAPHIC SECTION H-H'

Oak Walk Site

Emeryville, California

FIG 12	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 05/10/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40
SCALE IN FEET

41 ST STREET

40TH STREET

SAN PABLO AVENUE

MW-6A (0) MW-6 (0) MW-7 (0) MW-8 (0) 0B-9 (0) 0B-4 (0)

MW-10 (33) MWT-9 (7) MWT-10 (0)

MW-11 (40) MW-12 (33) MW-13 (47) MW-14 (10) MW-15 (8) MW-16A (27) MW-16B MW-16C

MWT-1 (3) MWT-2 (17) MWT-3 (0) MWT-4 (40) MWT-5 (0) MWT-6 (83) MWT-7 (33) MWT-8 (20) MWT-9 (47) MWT-11 (20) MWT-12 (63) MWT-13 (80) MWT-14 (63)

BE-1 (25') (53) BE-2 (25') (40) BE-3 (0) BE-4 (30) BE-5 (67) BE-6 (67)

BG-1 (30') (0) BG-2 (35') (0)

CPT-1 CPT-2

MW-2 (0) MW-3 (33) MW-4 (0) MW-5 (34)

0B-8 (na)

WCEW-1 (0)

Trench 1 Trench 2 Trench 3 Trench 4 Trench 5 Trench 6 Trench 7 Trench 8 Trench 9 Trench 10 Trench 11

4098 San Pablo Ave.
4010 San Pablo Ave.
4000 San Pablo Ave.
1091 41st St.
1089 41st St.
1087 41st St.
1085 41st St.
1083 41st St.
1081 41st St.
1079 41st St.
1077 41st St.
1075 41st St.
1122 40th Street
4001 Adeline St.

BUILDING 1
BUILDING 3
BUILDING 4
BUILDING 5

10% 20% 30% 40% 50% 60% 70% 80%

B-4 Ennis Boring
B-5
B-6
B-1
B-2
B-3

EXPLANATION

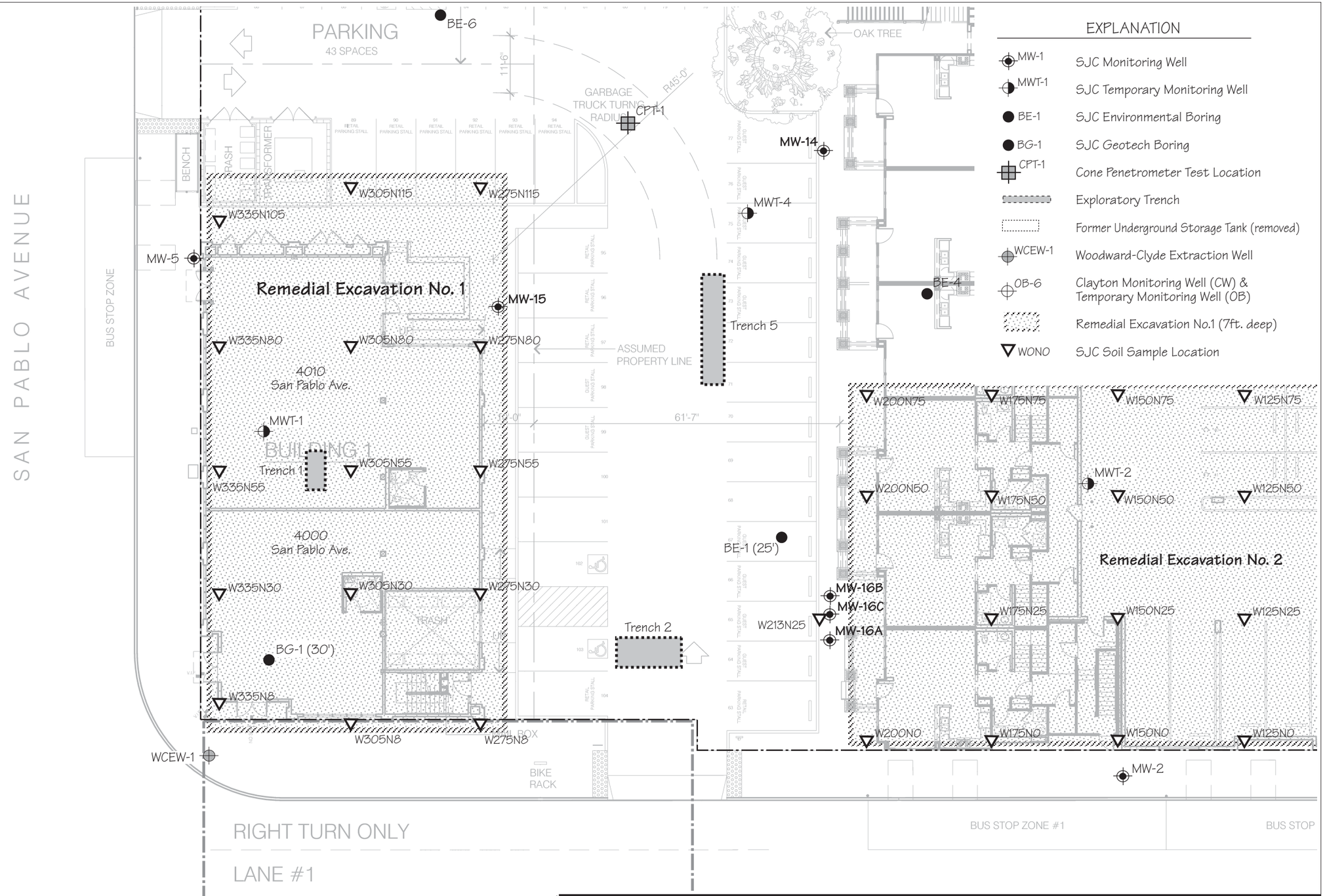
- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- 0B-6 — Clayton Monitoring Well (CW) & Temporary Monitoring Well (0B)
- (33) — Net Permable Facies (% Sands, Silts & Gravels)
- 40% — Isochore of Constant % Permeable Facies
- Permeable Facies <20%
- Permeable Facies 20% to 49%
- Permeable Facies >50%

Location of Former Fuel USTs
(10,000 gallon gasoline)
(10,000 gallon diesel)

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

NET PERMEABLE FACIES
Oak Walk Site
Emeryville, California

FIG 13	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/10/10



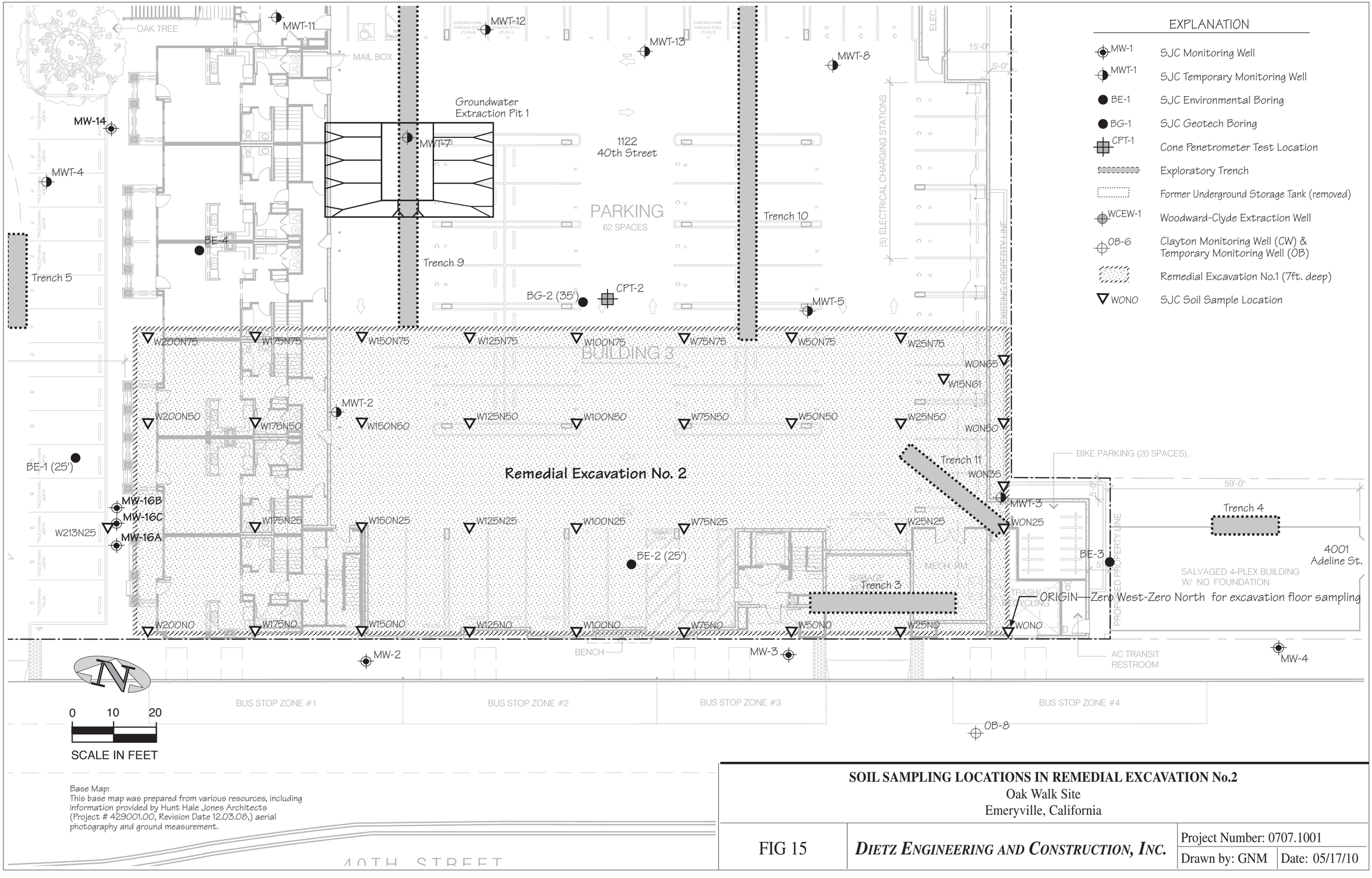
0 10 20

SCALE IN FEET

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

SOIL SAMPLING LOCATIONS IN REMEDIAL EXCAVATION No.1
Oak Walk Site
Emeryville, California

FIG 14	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM Date: 05/17/10



EXPLANATION

MW-1	SJC Monitoring Well
MWT-1	SJC Temporary Monitoring Well
BE-1	SJC Environmental Boring
BG-1	SJC Geotech Boring
CPT-1	Cone Penetrometer Test Location
	Exploratory Trench
	Former Underground Storage Tank (removed)
WCEW-1	Woodward-Clyde Extraction Well
OB-6	Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)
	Remedial Excavation No.1 (7ft. deep)
WONO	SJC Soil Sample Location

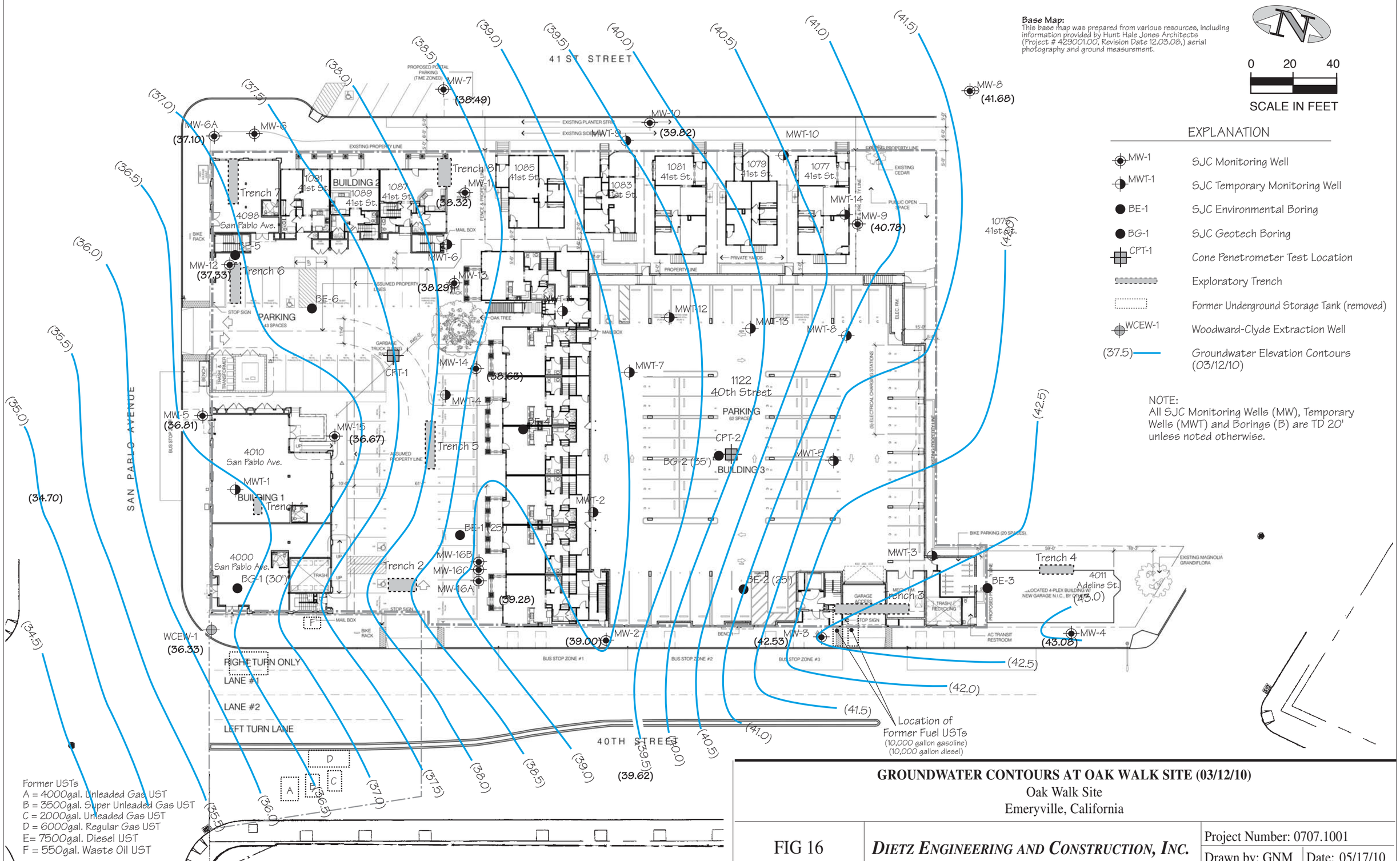
Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

SOIL SAMPLING LOCATIONS IN REMEDIAL EXCAVATION No.2
Oak Walk Site
Emeryville, California

FIG 15

DIETZ ENGINEERING AND CONSTRUCTION, INC.

Project Number: 0707.1001
Drawn by: GNM | Date: 05/17/10



Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40
SCALE IN FEET

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (37.5) — Groundwater Elevation Contours (03/12/10)

NOTE:
All SJC Monitoring Wells (MW), Temporary Wells (MWT) and Borings (B) are TD 20' unless noted otherwise.

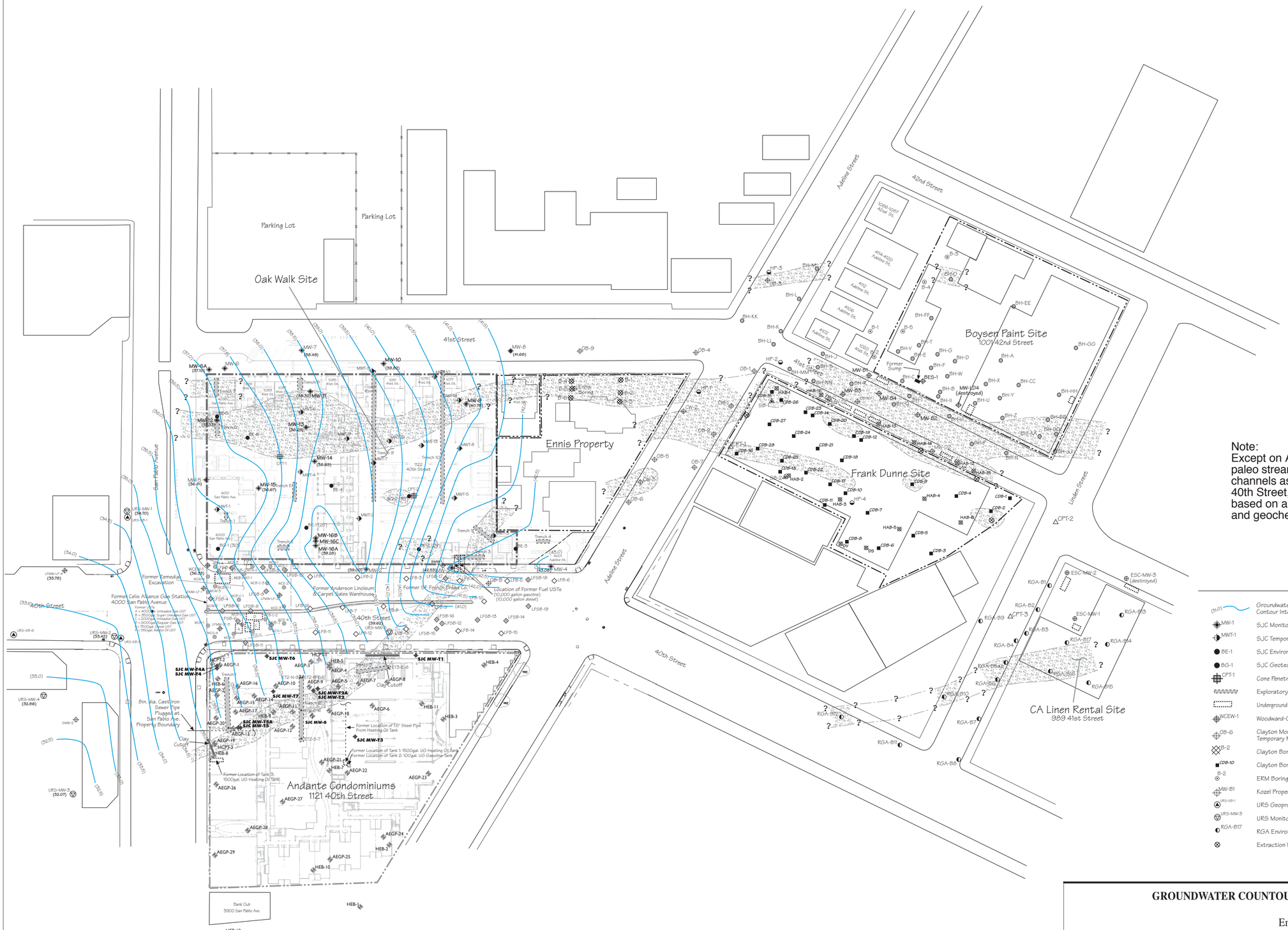
Location of Former Fuel USTs
(10,000 gallon gasoline)
(10,000 gallon diesel)

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

GROUNDWATER CONTOURS AT OAK WALK SITE (03/12/10)

Oak Walk Site
Emeryville, California

FIG 16	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/17/10



Base Map:
This base map was prepared from various resources, including information provided by:

- Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08.)
- Bay Area Land Surveying - ALTA / ACSM Land Title Survey; Portion of Lots 3, 4, 5 & 6 of the H.C. Dohr's Homestead (Nov. 2003)
- Sandis Humber Jones - ALTA / ACSM Land Title Survey; San Pablo Ave. & 40th Street Extension Drawing No. 600104.ALTA (7/25/01)
- Clayton Group Services - Monitoring Well Locations Former Dunner Paints 1007 41st St. Oakland, Figure 2, Project No. 70-03365.04 (12/05/03)
- Clayton Group Services - Historical Subject Property Plan 1007 41st St & 4050 Adeline St., Oakland, Figure 3, Project No. 70-03365.00 (09/06/02)
- Aerial Photography and Ground Measurement

0 40 80 120
SCALE IN FEET
(approximate)

Note:
Except on Andante and Frank Dunn sites, location and continuity of paleo streambed deposits are tentative. Continuity of paleo streambed channels as shown on Boyson Paint Site, 41st Street, Ennis Property, 40th Street, California Linen Rental, and Adeline Street are assumed based on a preponderance of available boring log, hydrostratigraphic and geochemical data.

EXPLANATION

- Groundwater Elevation Contour (3/12/10) Contour Interval 0.5'
- MW-1 SJC Monitoring Well (Oak Walk)
- MWT-1 SJC Temporary Monitoring Well (Oak Walk)
- BE-1 SJC Environmental Boring (Oak Walk)
- BG-1 SJC Geotech Boring (Oak Walk)
- CPT-1 Cone Penetrometer Test Location (Oak Walk)
- Exploratory Trench
- Underground Storage Tank (removed)
- WCEW-1 Woodward-Clyde Extraction Well
- OB-6 Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)
- B-2 Clayton Boring (Ennis)
- CDB-10 Clayton Boring (Dunn)
- B-2 ERM Boring (6/06)
- MW-B1 Kozel Property Monitoring Well
- URS-SB-1 URS Geoprobe Soil Boring
- URS-MW-3 URS Monitoring Well
- RGA-B17 RGA Environmental Boring
- Extraction Well
- WCW-1 Woodward-Clyde Soil Sample
- LFSB-14 Levine • Fricke Soil Boring
- LFB-1 Levine • Fricke Soil Boring
- LFMW-LF-2 Levine • Fricke Monitoring Well
- HEB-2 Harza Exploratory Boring
- SMW-1 SECOR Monitoring Well
- AEGP-6 APEX Envirotech , Inc. Boring
- SJC MW-T1 SJC Temporary Monitoring Well (SNK Andante)
- Paleo Streambed, Gravelly Areas
- ET1-S-6 Trench Soil Sample Location
- MW-D1 Dunne Paints Monitoring Well
- HP-2 ASE Boring
- BH-S ASE Temporary Well
- ESC-MW-1 Environmental Strategies Corp Monitoring Well
- HAB-4 Hageman-Aguiar, Inc. Soil Boring
- CPT-2 Cone Penetrometer Test (SCI)
- SB-2 Soil Boring (SCI)

GROUNDWATER COUNTOURS AT OAK WALK & CELIS SITES (3/12/10)
Oak Walk Site
Emeryville, California

FIG 17	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 04/14/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40
SCALE IN FEET

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (370) — Result of analysis of middle distillate-range hydrocarbons in groundwater (March, 2010)
- Area affected by middle distillate-range hydrocarbons at concentrations above the applicable ESLs for soil or groundwater
- Area affected by middle distillate-range hydrocarbons at concentrations below the applicable ESLs for soil or groundwater

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

AREAS OF THE OAK WALK SITE AFFECTED BY MIDDLE DISTILLATE-RANGE HYDROCARBONS IN SOIL & GROUNDWATER

Oak Walk Site, Emeryville, California

FIG 18	*Dietz Engineering and Construction, Inc.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/17/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40

SCALE IN FEET

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (800) — Result of analysis of gasoline-range hydrocarbons in groundwater (µg/l) (March 2010)
- Area affected by gasoline-range hydrocarbons at concentrations above the applicable ESLs for soil or groundwater (µg/l)
- Area affected by gasoline-range hydrocarbons at concentrations below the applicable ESLs for soil or groundwater (µg/l)

41 ST STREET

40TH STREET

SAN PABLO AVENUE

4098 San Pablo Ave.

4010 San Pablo Ave.

4000 San Pablo Ave.

1122 40th Street

1091 41st St.

1089 41st St.

1087 41st St.

1085 41st St.

1083 41st St.

1081 41st St.

1079 41st St.

1077 41st St.

1075 41st St.

4001 Adeline St.

BUILDING 1

BUILDING 2

BUILDING 3

PARKING 45 SPACES

PARKING 62 SPACES

PROPOSED POSTAL PARKING (TIME ZONED)

PUBLIC OPEN SPACE

PRIVATE YARDS

BIKE PARKING (20 SPACES)

SALVAGED 4-PLEX BUILDING W/ NO FOUNDATION

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

AREAS OF THE OAK WALK SITE AFFECTED BY GASOLINE-RANGE HYDROCARBONS IN SOIL & GROUNDWATER (March 2010)

Oak Walk Site, Emeryville, California

FIG 19	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/18/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

N

0 20 40

SCALE IN FEET

41 ST STREET

40TH STREET

SAN PABLO AVENUE

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (370) — Result of analysis of middle distillate-range hydrocarbons in groundwater (µg/L)
- 1000 — Isocon of middle distillate-range hydrocarbons in groundwater (µg/L)
- Middle distillate-range hydrocarbons 0 to 210 µg/L
- Middle distillate-range hydrocarbons 210 to 999 µg/L
- Middle distillate-range hydrocarbons >1,000 µg/L

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

ISOCONS OF MIDDLE DISTILLATE-RANGE HYDROCARBONS IN GROUNDWATER ON THE OAK WALK SITE (March 2010)

Oak Walk Site, Emeryville, California

FIG 20	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/17/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40
SCALE IN FEET

41 ST STREET

SAN PABLO AVENUE

40TH STREET

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (800) — Result of analysis of gasoline-range hydrocarbons in groundwater (µg/L)
- 5000 — Isocon of gasoline-range hydrocarbons in groundwater (µg/L)
- Gasoline-range hydrocarbons 0-210 µg/L
- Gasoline-range hydrocarbons 210 to 4999 µg/L
- Gasoline-range hydrocarbons >5000 µg/L

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

ISOCONS OF GASOLINE-RANGE HYDROCARBONS IN GROUNDWATER AT THE OAK WALK SITE (March 2010)

Oak Walk Site, Emeryville, California

FIG 21	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/18/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40
SCALE IN FEET

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (90) — Result of analysis of Benzene in groundwater (µg/L)
- 5000 — Isocon of Benzene in groundwater (µg/L)
- Benzene 0-46 µg/L
- Benzene >46 µg/L

41 ST STREET

SAN PABLO AVENUE

40TH STREET

MW-7 (ND)
MW-8 (ND)
MW-10 (ND)
MW-6A (ND)
MW-6
MWT-9
MWT-10
Trench 7
Trench 8
1091 41st St.
1089 41st St.
1087 41st St.
1085 41st St.
1083 41st St.
1081 41st St.
1079 41st St.
1077 41st St.
1075 41st St.
4098 San Pablo Ave.
(ND) MW-11
MWT-14
MW-9 (ND)
BE-5
MW-12 (ND)
MWT-6
Trench 6
MW-13 (0.67)
BE-6
PARKING 43 SPACES
MWT-11
MWT-12
MWT-13
MWT-8
Trench 9
Trench 10
CPT-1
MW-14 (ND)
MWT-7
1122 40th Street
PARKING 62 SPACES
MWT-4
MW-5 (ND)
MW-15 (ND)
Trench 5
BE-4
Groundwater Extraction Pit 1
CPT-2
BG-2 (35')
MWT-5
4010 San Pablo Ave.
BUILDING 3
(83)
MWT-1
BUILDING 1
Trench 1
MWT-2
BE-1 (25')
4000 San Pablo Ave.
MW-16B (5200)
MW-16C (4.9)
MW-16A (11000)
Trench 2
BG-1 (30')
10,000
5000
46
0
Trench 11
MWT-3
Trench 4
4001 Adeline St.
BE-3
BE-2 (25')
Trench 3
WCEW-1 (3.5)
MW-2 (1500)
(4.6) MW-3
(ND) MW-4
RIGHT TURN ONLY
LANE #1
LANE #2
LEFT TURN LANE
Location of Former Fuel USTs
(10,000 gallon gasoline)
(10,000 gallon diesel)
(ND)

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

ISOCONS OF BENZENE IN GROUNDWATER ON THE OAK WALK SITE (March 2010)
Oak Walk Site
Emeryville, California

FIG 22	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/18/10

Base Map:
This base map was prepared from various resources, including information provided by Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,) aerial photography and ground measurement.

0 20 40

SCALE IN FEET

EXPLANATION

- MW-1 — SJC Monitoring Well
- MWT-1 — SJC Temporary Monitoring Well
- BE-1 — SJC Environmental Boring
- BG-1 — SJC Geotech Boring
- CPT-1 — Cone Penetrometer Test Location
- Exploratory Trench
- Former Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- (66) — Result of analysis of MTBE in groundwater
- Area affected by MTBE at concentrations above the applicable ESL groundwater
- Area affected by MTBE at concentrations below the applicable ESL for groundwater

41 ST STREET

SAN PABLO AVENUE

40TH STREET

4098 San Pablo Ave.

4010 San Pablo Ave.

4000 San Pablo Ave.

1091 41st St.

1089 41st St.

1087 41st St.

1085 41st St.

1083 41st St.

1081 41st St.

1079 41st St.

1077 41st St.

1075 41st St.

1122 40th Street

4001 Adeline St.

Former USTs
A = 4000gal. Unleaded Gas UST
B = 3500gal. Super Unleaded Gas UST
C = 2000gal. Unleaded Gas UST
D = 6000gal. Regular Gas UST
E= 7500gal. Diesel UST
F = 550gal. Waste Oil UST

AREAS OF THE OAK WALK SITE AFFECTED BY MTBE IN GROUNDWATER (March 2010)
Oak Walk Site
Emeryville, California

FIG 23	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 05/18/10

Base Map:
This based map was prepared from various resources, including information provided by:

- Hunt Hale Jones Architects
(Project # 429001.00, Revision Date 12.03.08.)
- Bay Area Land Surveying - ALTA / ACSM Land Title Survey:
Portion of Lots 3, 4, 5 & 6 of the H.C. Dohr's Homestead
(Nov. 2003)
- Sandis Humber Jones - ALTA / ACSM Land Title Survey:
San Pablo Ave. & 40th Street Extension
Drawing No. 600104.ALTA (7/25/01)
- Clayton Group Services - Monitoring Well Locations
Former Dunner Paints 1007 41st St. Oakland,
Figure 2, Project No. 70-03365.04 (12/05/03)
- Clayton Group Services - Historical Subject Property Plan
1007 41st St & 4050 Adeline St., Oakland,
Figure 3, Project No. 70-03365.00 (09/06/02)
- Aerial Photography and Ground Measurement

N

0 40 80 120

SCALE IN FEET
(approximate)

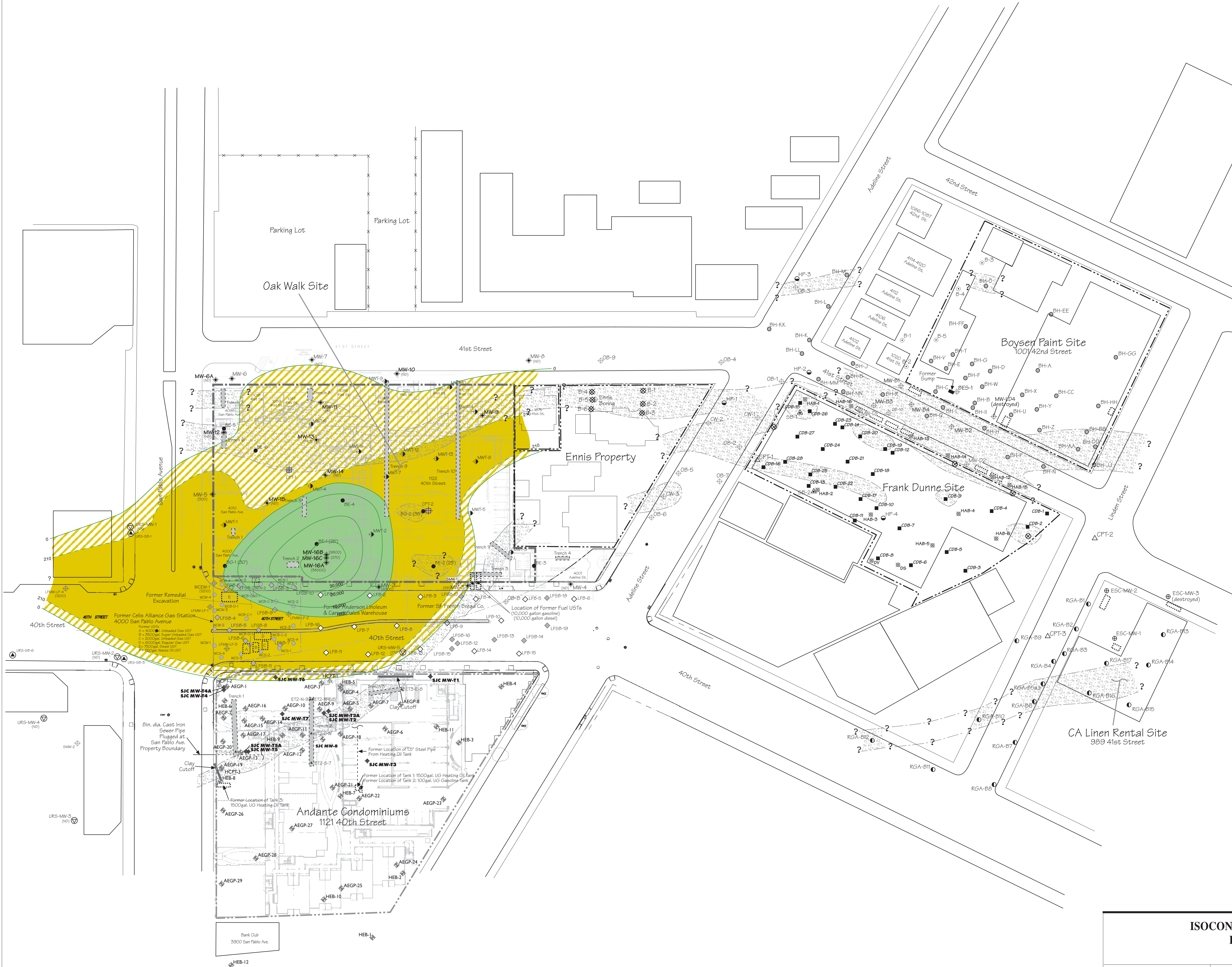
Note:
Except on Andante and Frank Dunn sites, location and continuity of paleo streambed deposits are tentative. Continuity of paleo streambed channels as shown on Boyson Paint Site, 41st Street, Ennis Property, 40th Street, California Linen Rental, and Adeline Street are assumed based on a preponderance of available boring log, hydrostratigraphic and geochemical data.

EXPLANATION

- MW-1 — SJC Monitoring Well (Oak Walk)
- MWT-1 — SJC Temporary Monitoring Well (Oak Walk)
- BE-1 — SJC Environmental Boring (Oak Walk)
- BG-1 — SJC Geotech Boring (Oak Walk)
- CPT-1 — Cone Penetrometer Test Location (Oak Walk)
- Exploratory Trench
- Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- OB-6 — Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)
- B-2 — Clayton Boring (Ennis)
- CDB-10 — Clayton Boring (Dunn)
- B-2 — ERM Boring (6/06)
- MW-B1 — Kozel Property Monitoring Well
- URS-SB-1 — URS Geoprobe Soil Boring
- URS-MW-3 — URS Monitoring Well
- RGA-B17 — RGA Environmental Boring
- Extraction Well
- WCW-1 — Woodward-Clyde Soil Sample
- LFSB-14 — Levine • Fricke Soil Boring
- LFB-1 — Levine • Fricke Soil Boring
- LFMW-LF-2 — Levine • Fricke Monitoring Well
- HEB-2 — Harza Exploratory Boring
- SMW-1 — SECOR Monitoring Well
- AEGP-6 — APEX Envirotech , Inc. Boring
- SJC MW-T1 — SJC Temporary Monitoring Well (GNK Andante)
- Paleo Streambed, Gravelly Areas
- ET1-S-6 — Trench Soil Sample Location
- MW-D1 — Dunne Paints Monitoring Well
- HP-2 — ASE Boring
- BH-5 — ASE Temporary Well
- ESC-MW-1 — Environmental Strategies Corp Monitoring Well
- HAB-4 — Hageman-Aguiar, Inc. Soil Boring
- CPT-2 — Cone Penetrometer Test (SCI)
- SB-2 — Soil Boring (SCI)
- (370) — Result of analysis of middle distillate-range hydrocarbons in groundwater (µg/L) (3/10)
- 1000 — Isocon of middle distillate-range hydrocarbons in groundwater (µg/L)
- Middle distillate-range hydrocarbons 0 to 210 µg/L
- Middle distillate-range hydrocarbons 210 to 999 µg/L
- Middle distillate-range hydrocarbons >1,000 µg/L

ISOCONS OF MIDDLE DISTILLATE-RANGE HYDROCARBONS IN GROUNDWATER FOR COMBINED OAK WALK & CELIS SITES (March 2010)
Oak Walk Site, Emeryville, California

FIG 24	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 04/14/10



Base Map:
This base map was prepared from various resources, including information provided by:

- Hunt Hale Jones Architects (Project # 429001.00, Revision Date 12.03.08,)
- Bay Area Land Surveying - ALTA / ACSM Land Title Survey; Portion of Lots 3, 4, 5 & 6 of the H.C. Dohr's Homestead (Nov. 2003)
- Sandis Humber Jones - ALTA / ACSM Land Title Survey; San Pablo Ave. & 40th Street Extension Drawing No. 600104.ALTA (7/25/01)
- Clayton Group Services - Monitoring Well Locations Former Dunner Paints 1007 41st St. Oakland, Figure 2, Project No. 70-03365.04 (12/05/03)
- Clayton Group Services - Historical Subject Property Plan 1007 41st St & 4050 Adeline St., Oakland, Figure 3, Project No. 70-03365.00 (09/06/02)
- Aerial Photography and Ground Measurement

0 40 80 120
SCALE IN FEET
(approximate)

Note:
Except on Andante and Frank Dunn sites, location and continuity of paleo streambed deposits are tentative. Continuity of paleo streambed channels as shown on Boyson Paint Site, 41st Street, Ennis Property, 40th Street, California Linen Rental, and Adeline Street are assumed based on a preponderance of available boring log, hydrostratigraphic and geochemical data.

EXPLANATION

MW-1	SJC Monitoring Well (Oak Walk)
MWT-1	SJC Temporary Monitoring Well (Oak Walk)
BE-1	SJC Environmental Boring (Oak Walk)
BG-1	SJC Geotech Boring (Oak Walk)
CPT-1	Cone Penetrometer Test Location (Oak Walk)
	Exploratory Trench
	Underground Storage Tank (removed)
WCEW-1	Woodward-Clyde Extraction Well
OB-6	Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)
B-2	Clayton Boring (Ennis)
CDB-10	Clayton Boring (Dunn)
B-2	ERM Boring (6/06)
MW-B1	Kozel Property Monitoring Well
URS-SB-1	URS Geoprobe Soil Boring
URS-MW-3	URS Monitoring Well
RGA-B17	RGA Environmental Boring
	Extraction Well
WCW-1	Woodward-Clyde Soil Sample
LFSB-14	Levine • Fricke Soil Boring
LFB-1	Levine • Fricke Soil Boring
LFMW-LF-2	Levine • Fricke Monitoring Well
HEB-2	Harza Exploratory Boring
SMW-1	SECOR Monitoring Well
AEGP-6	APEX Envirotech , Inc. Boring
SJC MW-T1	SJC Temporary Monitoring Well (SNK Andante)
	Paleo Streambed, Gravelly Areas
ET1-S-6	Trench Soil Sample Location
MW-D1	Dunne Paints Monitoring Well
HP-2	ASE Boring
BH-S	ASE Temporary Well
ESC-MW-1	Environmental Strategies Corp Monitoring Well
HAB-4	Hageman-Aguiar, Inc. Soil Boring
CPT-2	Cone Penetrometer Test (SCI)
SB-2	Soil Boring (SCI)
(800)	Result of analysis of gasoline-range hydrocarbons in groundwater (μg/L) (3/10)
5000	Isocon of gasoline-range hydrocarbons in groundwater (μg/L)
	Gasoline-range hydrocarbons 0-210 μg/L
	Gasoline-range hydrocarbons 210 to 4999 μg/L
	Gasoline-range hydrocarbons >5000 μg/L

ISOCONS OF GASOLINE-RANGE HYDROCARBONS IN GROUNDWATER
FOR COMBINED OAK WALK & CELIS SITES (March 2010)
Oak Walk Site, Emeryville, California

FIG 25	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001 Drawn by: GNM Date: 04/13/10

Base Map:
This base map was prepared from various resources, including information provided by:

- Hunt Hale Jones Architects
(Project # 429001.00, Revision Date 12.03.08.)
- Bay Area Land Surveying - ALTA / ACSM Land Title Survey:
Portion of Lots 3, 4, 5 & 6 of the H.C. Dohr's Homestead
(Nov. 2003)
- Sandis Humber Jones - ALTA / ACSM Land Title Survey:
San Pablo Ave. & 40th Street Extension
Drawing No. 600104.ALTA (7/25/01)
- Clayton Group Services - Monitoring Well Locations
Former Dunner Paints 1007 41st St. Oakland,
Figure 2, Project No. 70-03365.04 (12/05/03)
- Clayton Group Services - Hietorical Subject Property Plan
1007 41st St & 4050 Adeline St., Oakland,
Figure 3, Project No. 70-03365.00 (09/06/02)
- Aerial Photography and Ground Measurement

0 40 80 120
SCALE IN FEET
(approximate)

Note:
Except on Andante and Frank Dunn sites, location and continuity of paleo streambed deposits are tentative. Continuity of paleo streambed channels as shown on Boyson Paint Site, 41st Street, Ennis Property, 40th Street, California Linen Rental, and Adeline Street are assumed based on a preponderance of available boring log, hydrostratigraphic and geochemical data.

EXPLANATION

- MW-1 — SJC Monitoring Well (Oak Walk)
- MWT-1 — SJC Temporary Monitoring Well (Oak Walk)
- BE-1 — SJC Environmental Boring (Oak Walk)
- BG-1 — SJC Geotech Boring (Oak Walk)
- CPT-1 — Cone Penetrometer Test Location (Oak Walk)
- Exploratory Trench
- Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- OB-6 — Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)
- B-2 — Clayton Boring (Ennis)
- CDB-10 — Clayton Boring (Dunn)
- B-2 — ERM Boring (6/06)
- MW-B1 — Kozel Property Monitoring Well
- URS-SB-1 — URS Geoprobe Soil Boring
- URS-MW-3 — URS Monitoring Well
- RGA-B17 — RGA Environmental Boring
- Extraction Well
- WCW-1 — Woodward-Clyde Soil Sample
- LFSB-14 — Levine • Fricke Soil Boring
- LFB-1 — Levine • Fricke Monitoring Well
- LFMW-LF-2
- HEB-2 — Harza Exploratory Boring
- SMW-1 — SECOR Monitoring Well
- AEGP-6 — APEX Envirotech , Inc. Boring
- SJC MW-T1 — SJC Temporary Monitoring Well (SNK Andante)
- Paleo Streambed, Gravelly Areas
- ET1-S-6 — Trench Soil Sample Location
- MW-D1 — Dunne Paints Monitoring Well
- HP-2 — ASE Boring
- BH-5 — ASE Temporary Well
- ESC-MW-1 — Environmental Strategies Corp Monitoring Well
- HAB-4 — Hageman-Aguiar, Inc. Soil Boring
- CPT-2 — Cone Penetrometer Test (SCI)
- SB-2 — Soil Boring (SCI)
- (90) — Result of analysis of Benzene in groundwater (µg/L) (3/10)
- 5000 — Isocon of Benzene in groundwater (µg/L)
- Benzene 0-46 µg/L
- Benzene >46 µg/L

ISOCONS OF BENZENE IN GROUNDWATER FOR COMBINED OAK WALK & CELIS SITES (March 2010)
Oak Walk Site, Emeryville, California

FIG 26	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001	
		Drawn by: GNM	Date: 04/14/10

Base Map:
This based map was prepared from various resources, including information provided by:

- Hunt Hale Jones Architects
(Project # 429001.00, Revision Date 12.03.08.)
- Bay Area Land Surveying - ALTA / ACSM Land Title Survey:
Portion of Lots 3, 4, 5 & 6 of the H.C. Dohr's Homestead
(Nov. 2003)
- Sandis Humber Jones - ALTA / ACSM Land Title Survey:
San Pablo Ave. & 40th Street Extension
Drawing No. 600104.ALTA (7/25/01)
- Clayton Group Services - Monitoring Well Locations
Former Dunner Paints 1007 41st St. Oakland,
Figure 2, Project No. 70-03365.04 (12/05/03)
- Clayton Group Services - Historical Subject Property Plan
1007 41st St & 4050 Adeline St., Oakland,
Figure 3, Project No. 70-03365.00 (09/06/02)
- Aerial Photography and Ground Measurement

N

0 40 80 120

SCALE IN FEET
(approximate)

Note:
Except on Andante and Frank Dunn sites, location and continuity of paleo streambed deposits are tentative. Continuity of paleo streambed channels as shown on Boyson Paint Site, 41st Street, Ennis Property, 40th Street, California Linen Rental, and Adeline Street are assumed based on a preponderance of available boring log, hydrostratigraphic and geochemical data.

EXPLANATION

- MW-1 — SJC Monitoring Well (Oak Walk)
- MWT-1 — SJC Temporary Monitoring Well (Oak Walk)
- BE-1 — SJC Environmental Boring (Oak Walk)
- BG-1 — SJC Geotech Boring (Oak Walk)
- CPT-1 — Cone Penetrometer Test Location (Oak Walk)
- Exploratory Trench
- Underground Storage Tank (removed)
- WCEW-1 — Woodward-Clyde Extraction Well
- OB-6 — Clayton Monitoring Well (CW) & Temporary Monitoring Well (OB)
- B-2 — Clayton Boring (Ennis)
- CDB-10 — Clayton Boring (Dunn)
- B-2 — ERM Boring (6/06)
- MW-B1 — Kozel Property Monitoring Well
- URS-GB-1 — URS Geoprobe Soil Boring
- URS-MW-3 — URS Monitoring Well
- RGA-B17 — RGA Environmental Boring
- Extraction Well
- WCW-1 — Woodward-Clyde Soil Sample
- LFSB-14 — Levine • Fricke Soil Boring
- LFB-1 — Levine • Fricke Soil Boring
- LFMW-LF-2 — Levine • Fricke Monitoring Well
- HEB-2 — Harza Exploratory Boring
- SMW-1 — SECOR Monitoring Well
- AEGP-6 — APEX Envirotech , Inc. Boring
- SJC MW-T1 — SJC Temporary Monitoring Well (SNK Andante)
- Paleo Streambed, Gravelly Areas
- ET1-S-6 — Trench Soil Sample Location
- MW-D1 — Dunne Paints Monitoring Well
- HP-2 — ASE Boring
- BH-5 — ASE Temporary Well
- ESC-MW-1 — Environmental Strategies Corp Monitoring Well
- HAB-4 — Hageman-Aguiar, Inc. Soil Boring
- CPT-2 — Cone Penetrometer Test (SCI)
- SB-2 — Soil Boring (SCI)
- (66) — Result of analysis of MTBE in groundwater (3/10)
- Area affected by MTBE at concentrations above the applicable ESL for groundwater
- Area affected by MTBE at concentrations below the applicable ESL for groundwater

AREAS OF THE COMBINED OAK WALK & CELIS SITES AFFECTED BY MTBE IN GROUNDWATER (March 2010)
Oak Walk Site, Emeryville, California

FIG 27	*DIETZ ENGINEERING AND CONSTRUCTION, INC.*	Project Number: 0707.1001
		Drawn by: GNM | Date: 04/14/10

APPENDIX A

Field Notes

Field Notes March 12-14, 2010 [1]

Oalk Walk Site, Emeryville, California

Global ID: T06019705080

Well No.	Date	pH	Temperature Degrees Centigrade	Conductivity µmhos/cm
WCEW-1	03/14/10	6.96	20.0	5020
		6.91	20.4	5480
		6.89	20.5	5510
MW-2	03/14/10	6.80	20.1	7880
		7.04	20.8	7930
		6.88	21.0	7940
MW-3	03/14/10	10.47	18.9	3720
		10.31	18.9	3870
		10.37	18.9	4050
		7.80	19.4	6440
		7.55	19.3	6420
		7.38	19.3	6420
MW-4	03/13/10	6.87	19.7	4440
		6.72	19.6	4580
		6.74	20.2	5050
		6.73	20.4	5050
MW-5	03/14/10	6.96	17.9	5860
		6.85	17.9	5820
		6.79	17.9	5650
		6.83	18.0	5260
		6.85	18.1	5210
MW-6A	03/13/10	7.41	17.4	2260
		7.26	17.4	2380
		7.13	17.3	2600
		7.08	17.4	2590
MW-7	03/13/10	6.83	19.3	3970
		6.79	19.4	3810
		6.78	19.5	3820
MW-8	03/13/10	6.62	19.1	5170
		6.67	19.2	5280
		6.77	19.5	5540
MW-9	03/14/10	6.54	17.8	5160
		6.66	17.9	5110
		6.71	17.9	5090
		6.73	17.9	5070

DEC

Well No.	Date	pH	Temperature Degrees Centigrade	Conductivity μmhos/cm
MW-10	03/13/10	6.83	17.4	3700
		6.80	17.5	3690
		6.78	17.7	3690
MW-11	03/13/10	7.26	17.4	5150
		7.16	17.5	5140
		7.05	17.4	5140
		7.04	17.4	5140
MW-12	03/13/10	6.78	18.3	4750
		6.87	18.6	4820
		6.88	18.6	4800
MW-13	03/13/10	7.84	17.7	4980
		7.42	17.8	1800
		7.27	18.0	4650
		7.21	18.0	4660
MW-14	03/13/10	6.77	19.4	5750
		6.76	19.4	5800
		6.76	19.4	5780
MW-15	03/13/10	6.72	18.2	8210
		6.77	18.4	8240
		6.65	18.6	8200
MW-16A	03/14/10	8.14	20.7	8020
		7.31	20.3	7880
		6.95	20.4	7790
		6.89	20.2	7810
		6.85	20.2	7810
MW-16B	03/14/10	6.75	20.2	7460
		6.71	20.1	7500
		6.69	20.2	7500
MW-16C	03/14/10	6.87	19.9	6630
		6.89	20.0	6620 [2]

Notes:
1. Except as noted, all sampled wells purged a minimum of 15 gallons
2. Casing pumped dry before 15 gallons extracted.

DEC

APPENDIX B

Certificates of Analysis

ANALYTICAL REPORT

Job Number: 720-26586-1

Job Description: Bay Rock Oak Walk Emeryville

For:
Deitz Engineering and Construction, Inc.
1120 Hollywood Ave Suite 3
Oakland, CA 94602-1459

Attention: Mr. Dai Watkins

Approved for release.
Surinder Sidhu
Customer Service Manager
3/23/2010 1:50 PM

Surinder Sidhu
Customer Service Manager
surinder.sidhu@testamericainc.com
03/23/2010

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.

A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-26586-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for sample 26586-18 is due to the presence of discrete peaks: MW-16C (720-26586-18).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: MW-9 (720-26586-9). Evidence of matrix interference is present.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-26586-1	**WCEW-1**				
Methyl tert-butyl ether		31	0.50	ug/L	8260B/CA_LUFTMS
Benzene		3.5	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		4.3	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		1.3	1.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1200	50	ug/L	8260B/CA_LUFTMS
TBA		5.4	4.0	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1600	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]		460	50	ug/L	8015B
720-26586-2	**MW-2**				
Methyl tert-butyl ether		74	10	ug/L	8260B/CA_LUFTMS
Benzene		1500	10	ug/L	8260B/CA_LUFTMS
Ethylbenzene		790	10	ug/L	8260B/CA_LUFTMS
Toluene		47	10	ug/L	8260B/CA_LUFTMS
Xylenes, Total		740	20	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		8300	1000	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		780	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]		870	50	ug/L	8015B
720-26586-3	**MW-3**				
Methyl tert-butyl ether		1.9	0.50	ug/L	8260B/CA_LUFTMS
Benzene		4.6	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		7.2	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		5.6	1.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		58	50	ug/L	8260B/CA_LUFTMS
TBA		4.1	4.0	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		130	50	ug/L	8015B
720-26586-5	**MW-5**				
Methyl tert-butyl ether		0.51	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		300	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		190	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]		230	50	ug/L	8015B

EXECUTIVE SUMMARY - Detections

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-26586-9	**MW-9**				
Gasoline Range Organics (GRO)-C5-C12		140	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		150	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]		89	50	ug/L	8015B
720-26586-11	**MW-11**				
Gasoline Range Organics (GRO)-C5-C12		81	50	ug/L	8260B/CA_LUFTMS
720-26586-13	**MW-13**				
Benzene		0.67	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		0.76	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		140	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		130	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]		100	50	ug/L	8015B
720-26586-14	**MW-14**				
Methyl tert-butyl ether		11	0.50	ug/L	8260B/CA_LUFTMS
720-26586-15	**MW-15**				
Methyl tert-butyl ether		6.0	0.50	ug/L	8260B/CA_LUFTMS
720-26586-16	**MW-16A**				
Methyl tert-butyl ether		840	50	ug/L	8260B/CA_LUFTMS
Benzene		11000	100	ug/L	8260B/CA_LUFTMS
Ethylbenzene		2400	50	ug/L	8260B/CA_LUFTMS
Toluene		780	50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		7500	100	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		38000	5000	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		2000	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]		4000	50	ug/L	8015B

EXECUTIVE SUMMARY - Detections

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Sample ID / Client Sample ID Analyte	Result / Qualifier	Reporting Limit	Units	Method
720-26586-17 MW-16B				
Methyl tert-butyl ether	520	10	ug/L	8260B/CA_LUFTMS
Benzene	5200	50	ug/L	8260B/CA_LUFTMS
Ethylbenzene	650	10	ug/L	8260B/CA_LUFTMS
Toluene	220	10	ug/L	8260B/CA_LUFTMS
Xylenes, Total	1800	20	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12	9800	1000	ug/L	8260B/CA_LUFTMS
TBA	100	80	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup				
Diesel Range Organics [C10-C28]	930	50	ug/L	8015B
Mineral Spirit Range Organics [C9-C13]	1600	50	ug/L	8015B
720-26586-18 MW-16C				
Methyl tert-butyl ether	370	5.0	ug/L	8260B/CA_LUFTMS
Benzene	4.9	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene	1.6	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total	1.3	1.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12	270	50	ug/L	8260B/CA_LUFTMS
TBA	24	4.0	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-26586-1	WCEW-1	Water	03/14/2010 1220	03/15/2010 1053
720-26586-2	MW-2	Water	03/13/2010 1712	03/15/2010 1053
720-26586-3	MW-3	Water	03/13/2010 1758	03/15/2010 1053
720-26586-4	MW-4	Water	03/13/2010 1338	03/15/2010 1053
720-26586-5	MW-5	Water	03/14/2010 1049	03/15/2010 1053
720-26586-6	MW-6A	Water	03/13/2010 1238	03/15/2010 1053
720-26586-7	MW-7	Water	03/13/2010 1140	03/15/2010 1053
720-26586-8	MW-8	Water	03/13/2010 1055	03/15/2010 1053
720-26586-9	MW-9	Water	03/14/2010 0918	03/15/2010 1053
720-26586-10	MW-10	Water	03/13/2010 1205	03/15/2010 1053
720-26586-11	MW-11	Water	03/13/2010 1435	03/15/2010 1053
720-26586-12	MW-12	Water	03/13/2010 1345	03/15/2010 1053
720-26586-13	MW-13	Water	03/13/2010 1828	03/15/2010 1053
720-26586-14	MW-14	Water	03/13/2010 1634	03/15/2010 1053
720-26586-15	MW-15	Water	03/13/2010 1402	03/15/2010 1053
720-26586-16	MW-16A	Water	03/14/2010 1340	03/15/2010 1053
720-26586-17	MW-16B	Water	03/14/2010 1153	03/15/2010 1053
720-26586-18	MW-16C	Water	03/14/2010 1020	03/15/2010 1053

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **WCEW-1**

Lab Sample ID: 720-26586-1 Date Sampled: 03/14/2010 1220
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	26586-A-1 3-16-2010
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1857		Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1857			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	31		0.50
Benzene	3.5		0.50
Ethylbenzene	4.3		0.50
Toluene	ND		0.50
Xylenes, Total	1.3		1.0
Gasoline Range Organics (GRO)-C5-C12	1200		50
TBA	5.4		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-2**

Lab Sample ID: 720-26586-2 Date Sampled: 03/13/2010 1712
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	26586-A-2 3-16-2010
Dilution:	20			Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1925			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1925				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	74		10
Benzene	1500		10
Ethylbenzene	790		10
Toluene	47		10
Xylenes, Total	740		20
Gasoline Range Organics (GRO)-C5-C12	8300		1000
TBA	ND		80
DIPE	ND		10
TAME	ND		10
Ethyl t-butyl ether	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		67 - 130
1,2-Dichloroethane-d4 (Surr)	105		67 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-3**

Lab Sample ID: 720-26586-3 Date Sampled: 03/13/2010 1758
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720	Instrument ID:	SAT 3900C	
Preparation:	5030B		Lab File ID:	26586-A-3 3-16-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	03/16/2010 2047		Final Weight/Volume:	10	mL
Date Prepared:	03/16/2010 2047				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	1.9		0.50
Benzene	4.6		0.50
Ethylbenzene	7.2		0.50
Toluene	ND		0.50
Xylenes, Total	5.6		1.0
Gasoline Range Organics (GRO)-C5-C12	58		50
TBA	4.1		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	104		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-26586-4 Date Sampled: 03/13/2010 1338
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	26586-A-4 3-16-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2115			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2115				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		67 - 130
1,2-Dichloroethane-d4 (Surr)	104		67 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-5**

Lab Sample ID: 720-26586-5 Date Sampled: 03/14/2010 1049
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67751		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03171018.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1732			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1732				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	0.51		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	300		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		67 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-6A**

Lab Sample ID: 720-26586-6 Date Sampled: 03/13/2010 1238
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	26586-A-6 3-16-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2210			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2210				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-7**

Lab Sample ID: 720-26586-7 Date Sampled: 03/13/2010 1140
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720	Instrument ID:	SAT 3900C	
Preparation:	5030B		Lab File ID:	26586-A-7 3-16-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	03/16/2010 2237		Final Weight/Volume:	10	mL
Date Prepared:	03/16/2010 2237				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		67 - 130
1,2-Dichloroethane-d4 (Surr)	102		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-26586-8 Date Sampled: 03/13/2010 1055
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	26586-A-8 3-16-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2305			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2305				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 130
1,2-Dichloroethane-d4 (Surr)	106		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-9**

Lab Sample ID: 720-26586-9 Date Sampled: 03/14/2010 0918
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67804	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	26586-B-9 3-17-2010
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 2224		Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 2224			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	140		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	134	X	67 - 130
1,2-Dichloroethane-d4 (Surr)	106		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-10**

Lab Sample ID: 720-26586-10 Date Sampled: 03/13/2010 1205
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	26586-A-10
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0000		Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0000			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-11**

Lab Sample ID: 720-26586-11 Date Sampled: 03/13/2010 1435
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	26586-A-11
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0028			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0028				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	81		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	126		67 - 130
1,2-Dichloroethane-d4 (Surr)	103		67 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-12**

Lab Sample ID: 720-26586-12 Date Sampled: 03/13/2010 1345
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67720		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	26586-A-12
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0055			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0055				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	102		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-13**

Lab Sample ID: 720-26586-13 Date Sampled: 03/13/2010 1828
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67732		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03161035.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0339			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0339				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	0.67		0.50
Ethylbenzene	0.76		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	140		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	91		67 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-14**

Lab Sample ID: 720-26586-14 Date Sampled: 03/13/2010 1634
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67732		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03161036.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0412			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0412				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	11		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		67 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-15**

Lab Sample ID: 720-26586-15 Date Sampled: 03/13/2010 1402
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67732		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03161037.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0444			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0444				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	6.0		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		67 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16A**

Lab Sample ID: 720-26586-16 Date Sampled: 03/14/2010 1340
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67732		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03161038.D
Dilution:	100			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0515			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0515				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	840		50
Ethylbenzene	2400		50
Toluene	780		50
Xylenes, Total	7500		100
Gasoline Range Organics (GRO)-C5-C12	38000		5000
TBA	ND		400
DIPE	ND		50
TAME	ND		50
Ethyl t-butyl ether	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16A**

Lab Sample ID: 720-26586-16 Date Sampled: 03/14/2010 1340
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67818		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	03171014.D
Dilution:	200			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 2221			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 2221				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	11000		100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		67 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16B**

Lab Sample ID: 720-26586-17 Date Sampled: 03/14/2010 1153
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67732		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03161039.D
Dilution:	20			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 0548			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 0548				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	520		10
Ethylbenzene	650		10
Toluene	220		10
Xylenes, Total	1800		20
Gasoline Range Organics (GRO)-C5-C12	9800		1000
TBA	100		80
DIPE	ND		10
TAME	ND		10
Ethyl t-butyl ether	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16B**

Lab Sample ID: 720-26586-17 Date Sampled: 03/14/2010 1153
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67751		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03171020.D
Dilution:	100			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1836			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1836				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	5200		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16C**

Lab Sample ID: 720-26586-18 Date Sampled: 03/14/2010 1020
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67751		Instrument ID:	HP4
Preparation:	5030B			Lab File ID:	03171019.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1804			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1804				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	4.9		0.50
Ethylbenzene	1.6		0.50
Toluene	ND		0.50
Xylenes, Total	1.3		1.0
Gasoline Range Organics (GRO)-C5-C12	270		50
TBA	24		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16C**

Lab Sample ID: 720-26586-18 Date Sampled: 03/14/2010 1020
Client Matrix: Water Date Received: 03/15/2010 1053

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-67922		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	03191011.D
Dilution:	10			Initial Weight/Volume:	10 mL
Date Analyzed:	03/19/2010 1414			Final Weight/Volume:	10 mL
Date Prepared:	03/19/2010 1414				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	370		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **WCEW-1**

Lab Sample ID: 720-26586-1 Date Sampled: 03/14/2010 1220
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/17/2010 2233			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1600		50
Mineral Spirit Range Organics [C9-C13]	460		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	2		0 - 5
p-Terphenyl	72		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-2**

Lab Sample ID: 720-26586-2 Date Sampled: 03/13/2010 1712
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/17/2010 2254			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	780		50
Mineral Spirit Range Organics [C9-C13]	870		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	88		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-3**

Lab Sample ID: 720-26586-3 Date Sampled: 03/13/2010 1758
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/17/2010 2315			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	130		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	85		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-26586-4 Date Sampled: 03/13/2010 1338
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/17/2010 2337			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	79		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-5**

Lab Sample ID: 720-26586-5 Date Sampled: 03/14/2010 1049
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/17/2010 2358			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	190		50
Mineral Spirit Range Organics [C9-C13]	230		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	86		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-6A**

Lab Sample ID: 720-26586-6 Date Sampled: 03/13/2010 1238
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0020			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	84		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-7**

Lab Sample ID: 720-26586-7 Date Sampled: 03/13/2010 1140
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0041			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	83		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-26586-8 Date Sampled: 03/13/2010 1055
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0103			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	77		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-9**

Lab Sample ID: 720-26586-9 Date Sampled: 03/14/2010 0918
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0124			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	150		50
Mineral Spirit Range Organics [C9-C13]	89		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	2		0 - 5
p-Terphenyl	86		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-10**

Lab Sample ID: 720-26586-10 Date Sampled: 03/13/2010 1205
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0146			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	82		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-11**

Lab Sample ID: 720-26586-11 Date Sampled: 03/13/2010 1435
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0207			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	84		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-12**

Lab Sample ID: 720-26586-12 Date Sampled: 03/13/2010 1345
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0229			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	75		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-13**

Lab Sample ID: 720-26586-13 Date Sampled: 03/13/2010 1828
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0250			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	130		50
Mineral Spirit Range Organics [C9-C13]	100		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	94		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-14**

Lab Sample ID: 720-26586-14 Date Sampled: 03/13/2010 1634
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0311			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	89		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-15**

Lab Sample ID: 720-26586-15 Date Sampled: 03/13/2010 1402
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0333			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	79		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16A**

Lab Sample ID: 720-26586-16 Date Sampled: 03/14/2010 1340
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0354			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	2000		50
Mineral Spirit Range Organics [C9-C13]	4000		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	2		0 - 5
p-Terphenyl	83		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16B**

Lab Sample ID: 720-26586-17 Date Sampled: 03/14/2010 1153
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67749		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/18/2010 0416			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	930		50
Mineral Spirit Range Organics [C9-C13]	1600		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	2		0 - 5
p-Terphenyl	81		31 - 150

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Client Sample ID: **MW-16C**

Lab Sample ID: 720-26586-18 Date Sampled: 03/14/2010 1020
Client Matrix: Water Date Received: 03/15/2010 1053

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-67750		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-67760		Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	03/17/2010 2211			Injection Volume:	1 uL
Date Prepared:	03/17/2010 0927			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	69		31 - 150

DATA REPORTING QUALIFIERS

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Section	Qualifier	Description
GC/MS VOA		
	X	Surrogate is outside control limits

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-67720					
LCS 720-67720/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-67720/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-67720/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-67720/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-67720/4	Method Blank	T	Water	8260B/CA_LUFT	
720-26586-1	WCEW-1	T	Water	8260B/CA_LUFT	
720-26586-2	MW-2	T	Water	8260B/CA_LUFT	
720-26586-2MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-26586-2MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-26586-3	MW-3	T	Water	8260B/CA_LUFT	
720-26586-4	MW-4	T	Water	8260B/CA_LUFT	
720-26586-6	MW-6A	T	Water	8260B/CA_LUFT	
720-26586-7	MW-7	T	Water	8260B/CA_LUFT	
720-26586-8	MW-8	T	Water	8260B/CA_LUFT	
720-26586-10	MW-10	T	Water	8260B/CA_LUFT	
720-26586-11	MW-11	T	Water	8260B/CA_LUFT	
720-26586-12	MW-12	T	Water	8260B/CA_LUFT	
Analysis Batch:720-67732					
LCS 720-67732/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-67732/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-67732/5	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-67732/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-67732/3	Method Blank	T	Water	8260B/CA_LUFT	
720-26586-13	MW-13	T	Water	8260B/CA_LUFT	
720-26586-14	MW-14	T	Water	8260B/CA_LUFT	
720-26586-15	MW-15	T	Water	8260B/CA_LUFT	
720-26586-16	MW-16A	T	Water	8260B/CA_LUFT	
720-26586-17	MW-16B	T	Water	8260B/CA_LUFT	
Analysis Batch:720-67751					
LCS 720-67751/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-67751/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-67751/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-67751/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-67751/4	Method Blank	T	Water	8260B/CA_LUFT	
720-26586-5	MW-5	T	Water	8260B/CA_LUFT	
720-26586-17	MW-16B	T	Water	8260B/CA_LUFT	
720-26586-18	MW-16C	T	Water	8260B/CA_LUFT	

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-67804					
LCS 720-67804/10	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-67804/8	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-67804/11	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-67804/9	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-67804/7	Method Blank	T	Water	8260B/CA_LUFT	
720-26586-9	MW-9	T	Water	8260B/CA_LUFT	
Analysis Batch:720-67818					
LCS 720-67818/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-67818/5	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-67818/3	Method Blank	T	Water	8260B/CA_LUFT	
720-26586-16	MW-16A	T	Water	8260B/CA_LUFT	
Analysis Batch:720-67922					
LCS 720-67922/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-67922/5	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-67922/3	Method Blank	T	Water	8260B/CA_LUFT	
720-26586-18	MW-16C	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-67749					
LCS 720-67760/2-A	Lab Control Sample	A	Water	8015B	720-67760
LCSD 720-67760/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-67760
MB 720-67760/1-A	Method Blank	A	Water	8015B	720-67760
720-26586-1	WCEW-1	A	Water	8015B	720-67760
720-26586-2	MW-2	A	Water	8015B	720-67760
720-26586-3	MW-3	A	Water	8015B	720-67760
720-26586-4	MW-4	A	Water	8015B	720-67760
720-26586-5	MW-5	A	Water	8015B	720-67760
720-26586-6	MW-6A	A	Water	8015B	720-67760
720-26586-7	MW-7	A	Water	8015B	720-67760
720-26586-8	MW-8	A	Water	8015B	720-67760
720-26586-9	MW-9	A	Water	8015B	720-67760
720-26586-10	MW-10	A	Water	8015B	720-67760
720-26586-11	MW-11	A	Water	8015B	720-67760
720-26586-12	MW-12	A	Water	8015B	720-67760
720-26586-13	MW-13	A	Water	8015B	720-67760
720-26586-14	MW-14	A	Water	8015B	720-67760
720-26586-15	MW-15	A	Water	8015B	720-67760
720-26586-16	MW-16A	A	Water	8015B	720-67760
720-26586-17	MW-16B	A	Water	8015B	720-67760
Analysis Batch:720-67750					
720-26586-18	MW-16C	A	Water	8015B	720-67760

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-67760					
LCS 720-67760/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-67760/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-67760/1-A	Method Blank	A	Water	3510C SGC	
720-26586-1	WCEW-1	A	Water	3510C SGC	
720-26586-2	MW-2	A	Water	3510C SGC	
720-26586-3	MW-3	A	Water	3510C SGC	
720-26586-4	MW-4	A	Water	3510C SGC	
720-26586-5	MW-5	A	Water	3510C SGC	
720-26586-6	MW-6A	A	Water	3510C SGC	
720-26586-7	MW-7	A	Water	3510C SGC	
720-26586-8	MW-8	A	Water	3510C SGC	
720-26586-9	MW-9	A	Water	3510C SGC	
720-26586-10	MW-10	A	Water	3510C SGC	
720-26586-11	MW-11	A	Water	3510C SGC	
720-26586-12	MW-12	A	Water	3510C SGC	
720-26586-13	MW-13	A	Water	3510C SGC	
720-26586-14	MW-14	A	Water	3510C SGC	
720-26586-15	MW-15	A	Water	3510C SGC	
720-26586-16	MW-16A	A	Water	3510C SGC	
720-26586-17	MW-16B	A	Water	3510C SGC	
720-26586-18	MW-16C	A	Water	3510C SGC	

Report Basis

A = Silica Gel Cleanup

Client: Deitz Engineering and Construction, Inc.

Job Number: 720-26586-1

Method Blank - Batch: 720-67720

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-67720/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1500
Date Prepared: 03/16/2010 1500

Analysis Batch: 720-67720
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: MB 3-16-2010 3;00;43 PM.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	67 - 130
1,2-Dichloroethane-d4 (Surr)	109	67 - 130
Toluene-d8 (Surr)	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67720

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67720/5	Analysis Batch:	720-67720	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCS 3-16-2010 3;28;18 PM.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1528			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1528				

LCSD Lab Sample ID:	LCSD 720-67720/6	Analysis Batch:	720-67720	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCSD 3-16-2010 3;55;53 PM.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1555			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1555				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	99	92	81 - 125	7	20		
Benzene	84	82	82 - 127	3	20		
Ethylbenzene	92	92	86 - 135	0	20		
Toluene	106	88	83 - 129	19	20		
TBA	90	102	85 - 110	12	20		
DIPE	89	93	74 - 155	4	20		
TAME	100	97	79 - 129	2	20		
Ethyl t-butyl ether	90	96	70 - 130	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	103	67 - 130
1,2-Dichloroethane-d4 (Surr)	112	113	67 - 130
Toluene-d8 (Surr)	97	99	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67720

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67720/7	Analysis Batch:	720-67720	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCS GAS 3-16-2010 4;23;28
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1623			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1623				

LCSD Lab Sample ID:	LCSD 720-67720/8	Analysis Batch:	720-67720	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCSD GAS 3-16-2010 4;51;37
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1651			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1651				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	84	87	70 - 130	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	113	111	67 - 130
Toluene-d8 (Surr)	99	103	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-67720

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-26586-2	Analysis Batch:	720-67720	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	26586-A-2MS 3-16-2010
Dilution:	20			Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 1952			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 1952				

MSD Lab Sample ID:	720-26586-2	Analysis Batch:	720-67720	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	26586-A-2MSD 3-16-2010
Dilution:	20			Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2020			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2020				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	98	94	60 - 138	3	20		
Benzene	74	77	60 - 140	0	20		
Ethylbenzene	93	101	60 - 140	3	20		
Toluene	89	94	60 - 140	5	20		
TBA	98	97	60 - 140	1	20		
DIPE	94	98	60 - 140	4	20		
TAME	99	97	60 - 140	2	20		
Ethyl t-butyl ether	98	99	60 - 140	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	105	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	103	67 - 130
Toluene-d8 (Surr)	100	95	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc.

Job Number: 720-26586-1

Method Blank - Batch: 720-67732

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID:	MB 720-67732/3	Analysis Batch:	720-67732	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03161022.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2045			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2045				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	105	67 - 130
Toluene-d8 (Surr)	101	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67732

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67732/4	Analysis Batch:	720-67732	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03161023.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2117			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2117				

LCSD Lab Sample ID:	LCSD 720-67732/5	Analysis Batch:	720-67732	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03161024.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2149			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2149				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	110	102	81 - 125	8	20		
Benzene	106	98	82 - 127	8	20		
Ethylbenzene	115	105	86 - 135	9	20		
Toluene	108	99	83 - 129	9	20		
TBA	105	93	85 - 110	11	20		
DIPE	106	98	74 - 155	8	20		
TAME	114	106	79 - 129	7	20		
Ethyl t-butyl ether	105	97	70 - 130	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	110	103	67 - 130
1,2-Dichloroethane-d4 (Surr)	104	97	67 - 130
Toluene-d8 (Surr)	108	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67732

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67732/7	Analysis Batch:	720-67732	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03161025.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2220			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2220				

LCSD Lab Sample ID:	LCSD 720-67732/8	Analysis Batch:	720-67732	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03161026.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/16/2010 2252			Final Weight/Volume:	10 mL
Date Prepared:	03/16/2010 2252				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	75	76	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	94	98	67 - 130
Toluene-d8 (Surr)	98	101	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc.

Job Number: 720-26586-1

Method Blank - Batch: 720-67751

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-67751/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 0951
Date Prepared: 03/17/2010 0951

Analysis Batch: 720-67751
Prep Batch: N/A
Units: ug/L

Instrument ID: HP4
Lab File ID: 03171004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	67 - 130
1,2-Dichloroethane-d4 (Surr)	96	67 - 130
Toluene-d8 (Surr)	98	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67751

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67751/5	Analysis Batch:	720-67751	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03171005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1023			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1023				

LCSD Lab Sample ID:	LCSD 720-67751/6	Analysis Batch:	720-67751	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03171006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1055			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1055				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	98	99	81 - 125	0	20		
Benzene	98	99	82 - 127	0	20		
Ethylbenzene	107	105	86 - 135	2	20		
Toluene	101	99	83 - 129	2	20		
TBA	93	90	85 - 110	3	20		
DIPE	97	97	74 - 155	1	20		
TAME	103	104	79 - 129	2	20		
Ethyl t-butyl ether	95	96	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	96	67 - 130
1,2-Dichloroethane-d4 (Surr)	92	90	67 - 130
Toluene-d8 (Surr)	100	97	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67751

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67751/7	Analysis Batch:	720-67751	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03171007.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1127			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1127				

LCSD Lab Sample ID:	LCSD 720-67751/8	Analysis Batch:	720-67751	Instrument ID:	HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03171008.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1158			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1158				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	77	77	70 - 130	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	94	67 - 130
1,2-Dichloroethane-d4 (Surr)	93	92	67 - 130
Toluene-d8 (Surr)	96	93	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc.

Job Number: 720-26586-1

Method Blank - Batch: 720-67804

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-67804/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1537
Date Prepared: 03/17/2010 1537

Analysis Batch: 720-67804
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: MB 3-17-2010 3;37;26 PM.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	109	67 - 130
Toluene-d8 (Surr)	107	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67804

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67804/8	Analysis Batch:	720-67804	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCS 3-17-2010 4;04;57 PM.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1604			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1604				

LCSD Lab Sample ID:	LCSD 720-67804/9	Analysis Batch:	720-67804	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCSD 3-17-2010 4;32;38 PM.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1632			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1632				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	101	98	81 - 125	4	20		
Benzene	92	94	82 - 127	3	20		
Ethylbenzene	92	94	86 - 135	1	20		
Toluene	92	89	83 - 129	4	20		
TBA	99	101	85 - 110	2	20		
DIPE	100	97	74 - 155	4	20		
TAME	103	99	79 - 129	4	20		
Ethyl t-butyl ether	102	101	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	94	67 - 130
1,2-Dichloroethane-d4 (Surr)	110	108	67 - 130
Toluene-d8 (Surr)	105	95	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67804

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67804/10	Analysis Batch:	720-67804	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCS GAS 3-17-2010 5;00;09
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1700			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1700				

LCSD Lab Sample ID:	LCSD 720-67804/11	Analysis Batch:	720-67804	Instrument ID:	SAT 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCSD GAS 3-17-2010 5;27;47
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1727			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1727				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	79	88	70 - 130	11	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	114	108	67 - 130
Toluene-d8 (Surr)	100	103	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc.

Job Number: 720-26586-1

Method Blank - Batch: 720-67818

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-67818/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1834
Date Prepared: 03/17/2010 1834

Analysis Batch: 720-67818
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 03171007.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		4.0
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	95	67 - 130
Toluene-d8 (Surr)	98	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67818

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-67818/4	Analysis Batch:	720-67818	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03171008.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1907			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1907				

LCSD Lab Sample ID:	LCSD 720-67818/5	Analysis Batch:	720-67818	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03171009.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2010 1940			Final Weight/Volume:	10 mL
Date Prepared:	03/17/2010 1940				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	101	102	81 - 125	0	20		
Benzene	101	100	82 - 127	1	20		
Ethylbenzene	104	103	86 - 135	1	20		
Toluene	97	96	83 - 129	1	20		
TBA	89	89	85 - 110	0	20		
DIPE	100	99	74 - 155	1	20		
TAME	111	111	79 - 129	1	20		
Ethyl t-butyl ether	100	100	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	90	89	67 - 130
Toluene-d8 (Surr)	99	100	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deitz Engineering and Construction, Inc. Job Number: 720-26586-1

Method Blank - Batch: 720-67922

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-67922/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2010 0955
Date Prepared: 03/19/2010 0955

Analysis Batch: 720-67922
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 03191004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	98	67 - 130
Toluene-d8 (Surr)	99	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67922

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-67922/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2010 1039
Date Prepared: 03/19/2010 1039

Analysis Batch: 720-67922
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 03191005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-67922/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2010 1112
Date Prepared: 03/19/2010 1112

Analysis Batch: 720-67922
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 03191006.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	109	103	81 - 125	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	103	67 - 130
1,2-Dichloroethane-d4 (Surr)	95	92	67 - 130
Toluene-d8 (Surr)	101	100	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-67760

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-67760/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 2211
Date Prepared: 03/17/2010 0927

Analysis Batch: 720-67749
Prep Batch: 720-67760
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000037.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Mineral Spirit Range Organics [C9-C13]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	88	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-67760

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-67760/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2010 0438
Date Prepared: 03/17/2010 0927

Analysis Batch: 720-67749
Prep Batch: 720-67760
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000055.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-67760/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2010 0459
Date Prepared: 03/17/2010 0927

Analysis Batch: 720-67749
Prep Batch: 720-67760
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000056.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	49	42	32 - 119	15	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	89	85	31 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-26586

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TA-123004

Dietz Engineering and Construction, Inc.

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS

Transmit results to office checked below:

☐ 33233 South Koster Road, Tracy, CA 95304
Voice: (209) 832-2910 Fax: (209) 833-1288

☑ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
Voice (510) 336-9119 Fax: (510) 336-9119

LABORATORY: **TestAmerica**
CARRIER: Dietz Engineering and Construction, Inc.

Project: **Bay Rock - Oak Walk Emeryville**
Project No.: **0707.1002** Project Mgr.: **DJW/AO**
Sampling Team: **DJW/AO/SM**

WAYBILL NO.: N/A

SITE GLOBAL I.D. NO.: **T06019705080**

Sample Number	Type	Field Point	Depth to GW in ft.	Casing Elev. in ft.	Date Sampled	Time Sampled	Analyses Requested	Lab. No.
WCEW-1	water	WCEW-1	5.40	41.73	03/14/10	12:20	Analyze **all samples** for: TPH(g)+BTEX+ TBA, MTBE, DIPE, ETBE & TAME; TPH(d) + Mineral Spirits using silica gel cleanup	
MW-2		MW-2	5.40	44.40	03/13/10	17:12		
MW-3		MW-3	2.96	45.49	03/13/10	17:58		
MW-4		MW-4	4.23	47.31	03/13/10	13:38		
MW-5		MW-5	5.70	42.51	03/14/10	10:49		
MW-6A		MW-6A	6.08	43.18	03/13/10	12:58		
MW-7		MW-7	6.26	44.75	03/13/10	11:40		
MW-8		MW-8	6.70	48.38	03/13/10	10:55		
MW-9		MW-9	7.07	47.85	03/14/10	09:15		
MW-10		MW-10	5.84	45.66	03/13/10	12:05		
MW-11		MW-11	6.78	45.10	03/13/10	14:35		
MW-12		MW-12	5.60	42.93	03/13/10	13:45		
MW-13	▼	MW-13	7.27	45.56	03/13/10	18.28		

Sample Hazards: Low to high concentrations of fuel hydrocarbons and solvents **Priority:** Routine ☑ Expedited ☐ Special ☐

Notes: Pricing per Bay Rock Emeryville Agreement **GEOTRACKER ZIP FILE REQUIRED.**

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	Dai Watkins	Dietz Engineering	—	—	03/15/10	10:53	
Received/ Relinquished by:	Mullen	TestAmerica	3-15-10	10:53			
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:					—	—	

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TA
123004

Dietz Engineering and Construction, Inc.

Transmit results to office checked below:

☐ 33233 South Koster Road, Tracy, CA 95304
Voice: (209) 832-2910 Fax: (209) 833-1288

☑ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
Voice (510) 336-9118 Fax: (510) 336-9119

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS

Project: **Bay Rock - Oak Walk Emeryville**
Project No.: **0004.087** Project Mgr.: **DJW**
Sampling Team: **DJW/AO**

LABORATORY: **TestAmerica**
CARRIER: Dietz Engineering and Construction Inc.

WAYBILL NO.: N/A

SITE GLOBAL I.D. NO.: **T06019705080**

Sample Number	Type	Field Point	Depth to GW in ft.	Casing Elev. in ft.	Date Sampled	Time Sampled	Analyses Requested	Lab. No.
MW-14	water	MW-14	6.56	45.19	03/13/10	16:34		
MW-15	↓	MW-15	6.88	43.55	03/13/10	14:02		
MW-16A		MW-16A	5.22	44.50	03/14/10	13:40		
MW-16B		MW-16B	5.42	44.59	03/14/10	11:53		
MW-16C		MW-16C	12.84	44.48	03/14/10	10:20		
							Analyze **all samples** for:	
							TPH(g)+BTEX+ TBA, MTBE, DIPE, ETBE & TAME;	
							TPH(d) + Mineral Spirits using silica gel cleanup	

Sample Hazards: Low to high concentrations of fuel hydrocarbons and solvents **Priority:** Routine ☑ Expedited ☐ Special ☐

Notes: Pricing per Bay Rock Emeryville Agreement **GEOTRACKER ZIP FILE REQUIRED.**

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	DAI WATKINS	Dietz Engineering	—	—	03/15/10	10:53	
Received/ Relinquished by:	Mullen	TestAmerica	3-15-10	1053			
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:					—	—	

Rev. 09/09

Login Sample Receipt Check List

Client: Deitz Engineering and Construction, Inc.

Job Number: 720-26586-1

Login Number: 26586

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	