

THRIFTY OIL CO.

January 11, 2011

RECEIVED

O.11238

Mr. Paresh Khatri
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

10:27 am, Jan 12, 2011
Alameda County
Environmental Health

Local #RO0000004
RWQCB #01-1478

RE: **Former Thrifty Oil Co. Station #049**
3400 San Pablo Avenue
Oakland, CA 94612

**SUBJECT: Verification Soil Sampling and Downgradient Groundwater Investigation
Report and Recommendation for Low Risk Regulatory Closure**

Dear Mr. Khatri:

Enclosed, please find the *Verification Sampling and Downgradient Groundwater Investigation Report Recommendation for Low Risk Regulatory Closure* (Report) dated December 27, 2010, and prepared by GeoHydrologic Consultants, Inc. (GHC) for former Thrifty Oil Co. (Thrifty) Station #049, located at 3400 San Pablo Avenue, Oakland, California (**Figure 1**). The Report summarizes the installation of two onsite confirmation soil borings (SB-1 and SB-2) and two off-site confirmation borings (SB-3 and SB-4) by GHC on November 30, 2010, each to a depth of 20-feet below ground surface (bgs) (**Figure 2**). The purpose of the offsite soil borings SB-3 and SB-4 installation was to characterize the current offsite downgradient sub-surface soil conditions and to define the downgradient limit of the dissolved-phase petroleum hydrocarbon plume.

Thrifty believes that the results of the above-mentioned site assessment activities as well as the results of historical groundwater data indicate the hydrocarbon plume has been defined, is stable, is essentially restricted to the site property, will continue to diminish through natural attenuation, and the site poses very little to no threat to human health or the environment. Therefore, we respectfully request low risk regulatory closure for this site.

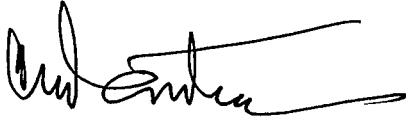
I declare, under penalty of perjury, that the information and/or recommendations contained in this document are true and correct to the best of my knowledge.



13116 Imperial Hwy, Santa Fe Springs, CA 90670-0138 • Ph: (562)921-3581

Should you have any questions regarding this report, please contact Simon Tregurtha at (562) 921-3581 Ext. 260, or Chris at Ext. 390.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Chris Panaitescu", with a long horizontal flourish extending to the right.

Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC, Mr. John Skance
File

**Verification Soil Sampling and Downgradient
Groundwater Investigation Report
Recommendation for Low Risk Regulatory Closure**

**Former Thrifty Oil Co. Station No. 049
3400 San Pablo Avenue
Oakland, California**

**RWQCB File No. 01-1478
Facility Global ID No. T0600101365**

**December 27, 2010
GHC 1665**

Prepared for
Thrifty Oil Co.
13116 Imperial Highway
Santa Fe Springs, California 90670

Prepared by
GeoHydrologic Consultants, Inc.
PO Box 2234
Huntington Beach, California 92647

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1.0 INTRODUCTION

On behalf of Thrifty Oil Co. (Thrifty), GeoHydrologic Consultants, Inc. (GHC) has prepared this report to fulfill the requirements of the Alameda County Health Care Services (ACHCS), which required Thrifty to conduct verification soil sampling and a downgradient groundwater investigation for Thrifty Station No. 049 located at 3400 San Pablo Avenue in Oakland, California (“the Site”; **Figure 1**). The oversight agency for the soil and groundwater remediation at this Site is the Alameda County Healthcare Agency (ACHCS). The scope of work for the verification sampling and downgradient groundwater investigation were set forth in the Verification Sampling and Downgradient Investigation Workplan prepared by Thrifty and dated September 22, 2010. The ACHCS conditionally approved the scope of work in their letter to Thrifty dated October 14, 2010.

The verification sampling and downgradient groundwater investigation were conducted by GHC on November 30, 2010. The sampling consisted of two onsite soil borings (SB-1 and SB-2) and two offsite soil borings (SB-3 and SB-4), with grab groundwater samples proposed from the two offsite borings.

2.0 SITE DESCRIPTION

The Site is an active service station located at the northeast corner of the intersection of San Pablo Avenue and 34th Street in the City of Oakland, California. The Site consists of two active dispenser islands, a cashier’s booth, and two 20,000-gallon double-walled underground storage tanks (USTs) (**Figure 2**).

3.0 SITE CHARACTERIZATION DATA

3.1 Geology/Hydrogeology

3.1.1 Geology

The Site is located within the San Francisco Bay structural depression of the Coast Ranges Physiographic Province in central Alameda County, California. Bedrock in the region consists of sedimentary, metasedimentary, volcanic, and intrusive rocks of Jurassic through Tertiary geologic age. Quaternary marine and alluvial sediments blanket the downwarped bedrock within the basin in which the Site is located. Based on previous drilling activities performed, the soils beneath the Site consist mainly of silty, sandy, and gravelly clays to 25 feet below ground surface.

Geologic cross sections are included as **Figures 3A, 3B, and 3C**. The lines of cross section are shown in **Figure 2**. Historic and recent soil laboratory analytical results are summarized in **Table 1A and 1B**.

3.1.2 Hydrogeology

The Site lies within the East Bay Plain groundwater basin which consists of two main water bearing units. The primary unit is comprised of unconsolidated alluvial deposits of Late Quaternary age and a secondary, older semi-consolidated deposit of Tertiary-Quaternary age. Groundwater within these deposits is both confined and unconfined, with the majority of the aquifers being confined. The Site is within the Berkeley alluvial plain sub area of the Bay Plains Groundwater Basin.

Groundwater generally occurs beneath the Site at depths ranging from approximately 4 to 7 feet below ground surface (bgs), which is shown in **Table 2A**, along with historic and recent groundwater sample laboratory analytical results. A groundwater elevation contour map based on the October 20, 2010 monitoring data indicates that groundwater flows to the west at an approximate gradient of 0.0192 feet/foot (**Figure 5**).

3.2 Production Well/Utility Location Survey

Based on the Groundwater Production Well and Utility Conduit Survey Report conducted by AGE, dated October 21, 2003, well driller's reports were found for seven water wells located within a one-mile radius of the Site, with four of the seven wells having been located. The nearest groundwater production well is located approximately 900 feet west of the Site. No other sensitive receptors were identified visually; however, three additional leaking underground storage tanks (LUST) sites were located adjacent to the Site, with the nearest LUST site located 50 feet north of the Site at a Shell station. The East Bay Municipal Utilities Department (EBMUD) provides the water and sewer service for the Site and has no municipal wells in the area. The Utility Conduit Survey concluded that two main trenches border the Site, which follow 34th Street and San Pablo Avenue. The approximate locations of utilities including water service, storm line drain, sanitary sewer line, gas main, and underground electric service are shown in **Figure 2**.

3.3 Previous Site Assessment Activities

An initial site assessment was conducted by Groundwater Technology in August of 1986 and consisted of advancing three soil borings and installing three 2-inch monitoring wells to 15 feet bgs. Only soil samples from SB-1 at 9 feet bgs and MW-3 at 4 feet bgs were found to contain detectable hydrocarbons (67 and 22 parts per million (ppm), respectively, with TPHg being the only constituent analyzed). However, these concentrations were below the SFRWQCB's ESLs for TPHg in shallow soil.

A follow-up assessment in November 1986 was conducted by Woodward-Clyde Consultants and consisted of installing four monitoring wells (MW-4 through MW-7). Wells MW-4 and MW-7 were constructed as 4-inch diameter wells to allow them to be used for extraction activities, if required, while MW-5 and MW-6 were constructed as 2-inch diameter wells. Free product was found to be present in MW-1 at a thickness of approximately 0.3 feet. Soil samples were taken at the approximate location of the water table at a depth of 7 feet in all of the borings except for MW-5 where a sample could not

be recovered. Only the samples from MW-4 and MW-7 exhibited hydrocarbon odors and were submitted to a laboratory for analysis. Only the sample from MW-4 was found to have detectable levels of TPHg of 1,200 ppm, which is above the ESL of 100 mg/kg, and total benzene, toluene, xylenes, ethylbenzene, and xylenes (BTEX) of 107 ppm, which is higher than the highest individual BTEX constituent ESL (3.3 mg/kg for ethylbenzene). Water samples were taken from each newly installed well and submitted for laboratory analysis. Only the water samples from MW-4 and MW-7 had detectable levels of TPHg of 97 ppm and 38 ppm, respectively, and total BTEX of 18.8 ppm and 13.9 ppm, respectively. The SFRWQCB's BPOs for TPHg, benzene, toluene, ethylbenzene, and xylenes in groundwater are 100 µg/L, 1.0 µg/L, 40 µg/L, 30 µg/L, and 20 µg/L, respectively.

Soil borings B-1 through B-5 were completed to total a depth of 16 feet (except for B-4 which was completed to 4 feet) on September 11, 1987 by Interstate Soils Sampling under an engineering geologist from Hydrotech. Laboratory analysis was performed on soil samples from borings B-2 and B-3 because they had the highest field-measured readings. TPH was present at the five foot interval of B-2 at a concentration of 3,600 mg/kg, which is higher than the ESL (100 mg/kg). The soil samples collected from B-3 were non-detect.

On March 23, 1998, four gasoline USTs and their associated piping were removed from the Site. The USTs were 10,000-gallon and 8,000-gallon capacity and were constructed of single-walled steel. On March 27, 1998, two 20,000-gallon double-walled USTs were installed at the Site. Approximately 1,093 tons of impacted soil was excavated. Soil samples and groundwater samples were collected and analyzed. Areas of significant petroleum hydrocarbon impact were the former UST basin and the product piping trenches. TPH concentrations were detected between 9.5 mg/kg in soil sample P-5 to 4,900 mg/kg in soil sample P-4. The ESL for TPHg in soil is 100 mg/kg.

On January 6, 2004, AGE completed four offsite soil borings (B-1 through B-4) to a total depth of 20 feet bgs. TPH as gasoline (TPHg) was detected in B-2 at the five foot interval at a concentration of 654 mg/kg and in B-4 at the five foot interval at 30 mg/kg. The ESL for TPHg in soil is 100 mg/kg.

In a transmittal letter dated March 11, 2004, Thrifty submitted preliminary soil and groundwater data from the four offsite soil borings (B-1 through B-4) and onsite well replacement activities performed by AGE. Post-initial remediation concentrations of TPHg were detected in samples B2-5 (654 mg/kg) and B4-5 (30 mg/kg), benzene concentrations detected ranged from 0.0018J mg/kg in B1-5 to 0.016 mg/kg in B1-10, and MTBE concentrations ranged from 0.0055 mg/kg in B2-20 to 1.32 mg/kg in B3-15. The ESLs for TPHg, benzene, and MTBE in soil are 100 mg/kg, 0.044 mg/kg, and 0.023 mg/kg, respectively. In a letter dated March 19, 2004, the ACHCS requested that Thrifty prepare a workplan to address the offsite contamination detected during the January 2004 site assessment conducted by AGE. After further discussing the scope of work with the ACHCS in an e-mail dated April 27, 2004, Thrifty submitted a workplan to install one onsite (MW-10) and two offsite wells (MW-8 and MW-9) downgradient of the Site (**Figure 2**). The ACHCS responded in an e-mail dated May 4, 2004, requesting additional

borings to delineate the plume to the west and southwest of the Site. Thrifty submitted a revised Workplan for Additional Offsite Assessment dated May 7, 2004 that included two additional borings (SB-5 and SB-6) to the southwest of the Site (**Figure 2**). In a letter dated May 17, 2004, the ACHCS approved the May 7, 2004 workplan with the request that additional borings be considered if soil and groundwater samples indicate significant hydrocarbon contamination. Thrifty has selected GHC to conduct site assessment activities. GHC had obtained well permits and information regarding the process of obtaining an encroachment permit from the City of Oakland Public Works Department (COPWD). Thrifty to date has not been able to obtain an encroachment permit or access agreements from the COPWD.

On May 18, 2007, ACHCS sent a letter to Thrifty with technical comments regarding the dissolved hydrocarbon plume characterization, proposed soil boring installation and soil sampling, well installation and development, preferential pathway study, soil and groundwater chemical analysis, and site conceptual model development. ACHCS has requested the preparation of a Revised Workplan for Soil and Groundwater Investigation with Revised Site Conceptual Model and Updated Preferential Pathway Study and Soil and Groundwater Investigation Report.

On July 18, 2007, Thrifty submitted a Revised Workplan for Additional Off-Site Assessment (Workplan). The Workplan proposed three offsite soil borings, three offsite groundwater wells, and one onsite groundwater well. The Workplan also proposed completing a revised preferential pathway study and revised site conceptual model. On August 7, 2007 the ACHCS provided approval of the Workplan.

In a letter dated August 7, 2007, ACHCS requested that Thrifty provide an explanation for the inconsistent groundwater monitoring data observed in the analytical results of groundwater samples collected during the first and second quarter 2007. On August 21, 2007 Thrifty submitted an Explanation of Fluctuating Dissolved-Phase Hydrocarbon Concentrations in response to the August 7, 2007 ACHCS letter.

The Revised Workplan, Additional Off-Site Assessment, Thrifty Oil Co. Station No. 049, ARCO Products Company Station #9535, 3400 San Pablo Avenue, Oakland, California (Revised Workplan) dated July 18, 2007 prepared by Equipoise (EQC) was submitted to the ACHCS to address the ACHCA request. On August 7, 2007 the ACHCS conditionally approved the Revised Workplan.

On August 8, 2007 Thrifty contacted the City of Oakland and requested an encroachment permit application package for the proposed offsite groundwater well locations on San Pablo Avenue, Oakland.

Thrifty's legal representatives have had numerous communications with the City of Oakland Attorneys Office regarding encroachment permit requirements but to date no agreement has been reached.

On September 13, 2007 EQC on behalf of Thrifty submitted a Request for Extension letter to the ACHCS. EQC had submitted requests to both the DWR and ACPW for

production well information needed for the Revised Preferential Pathway Study. As of September 13, 2007 EQC had not received a response from either agency and therefore requested that the ACHCS provide an extension of the due date of the requested report.

On September 27, 2007, Thrifty submitted an Encroachment Permit Delays and Request for Revised Well and Soil Borings Locations letter to the ACHCS. The letter indicated that Thrifty was still negotiating with the City of Oakland regarding the encroachment permits for the wells proposed in San Pablo Avenue, Oakland, but requested that the ACHCS consider revised well locations (which were proposed on private property).

On November 6, 2007, ACHCS sent a letter to Thrifty responding to Thrifty's September 27, 2007 letter and indicated that moving the monitoring wells MW-8, MW-9, and MW-11 to adjacent private properties was acceptable provided the new locations of the monitoring wells are as close as practicable to the sidewalk at each location.

On November 13, 2007, EQC submitted the Revised Preferential Pathway Study (PPS) which discussed the results of the nearby well survey.

Thrifty and EQC identified and contacted the property owners for the three proposed offsite well locations (MW-8, MW-9, and MW-11). Site access agreements were sent via certified mail to each property owner on December 7, 2007.

In concurrently sent letters dated January 31, 2008, Steven Plunkett of the ACHCS informed the adjacent property owners that they were required to execute the access agreements sent by Thrifty otherwise they could potentially be responsible for the cost of environmental assessments on their properties.

On February 12, 2008, Thrifty received an executed access agreement from Vern Lenberg LLC (executed by Mr. Vernon Coleman) for the property located at 3431 San Pablo Avenue, Oakland, California.

On March 5, 2008, Thrifty spoke to Mr. Kelvin Tse (the owner of the property located at 3315 San Pablo Avenue, Oakland, California). During the telephone conversation Mr. Tse requested that Thrifty supply: 1) an assurance that the proposed groundwater well be installed as close as possible to the northern corner of your property; 2) an explanation of why Thrifty has proposed to install a groundwater well on your property and the details of the sampling and chemical analysis Thrifty will conduct during the installation and during quarterly groundwater sampling events, and 3) a guarantee that Thrifty will mitigate contamination encountered during our investigation at the above mentioned property. On March 5, 2008 Thrifty sent an email summarizing the telephone conversation to Mr. Tse with an attached copy of the Third Quarter 2007 Status Report, for Thrifty Station No. 049. On March 12, 2008 Thrifty sent a letter to Mr. Tse in response to his request on March 5, 2008 for information and guarantees. Included in Thrifty's letter were documents that Thrifty acquired from online databases that indicated Mr. Kelvin Tse and Ms. Linda Tse are the only legal owners of the above mentioned property.

The access agreement Thrifty sent to the Moriah Christian Fellowship Baptist Church, Inc located at 3354 San Pablo Avenue, Oakland, California, 94608, was returned to Thrifty on March 14, 2008. It appears that the post office attempted delivery of the package on December 13, 2007 and March 8, 2008, and finally returned it to Thrifty with a "final notice" and "unable to forward" stamps on the front of the package. Thrifty called the United States Postal Service (USPS) at 800-275-8777 and they confirmed that the stamps on the front of the envelope indicated that the package had not been received by the addressee and the package had probably been classified as abandoned, and therefore returned to Thrifty. A short examination of the returned envelope showed that the seals applied on the envelope as part of the certified mail features were broken which suggests that somewhere, someone searched the contents of the envelope. Thrifty conducted a search on the United States Postal Service website to track the package (tracking number 7007 0710 0005 2435 5749) and discovered that the only recorded delivery of the package was its return to Thrifty on March 14, 2008 at 8:49 AM.

On April 21, 2008, a Thrifty representative contacted Mr. Kelvin Tse to request that he return an executed copy of the access agreement that had been mailed to him on March 12, 2008. During the conversation with Kelvin Tse once again insisted that his brother, Mr. Jack Chi Tse, was an owner of the property located at 3315 San Pablo Avenue, Oakland, California. On April 21, 2008, Thrifty completed an additional property title database search, results of the search identified Mr. Jack Chi Tse as an owner of the property located at 3315 San Pablo Avenue, Oakland California. On April 22, 2008, Thrifty mailed a revised access agreement (which included Mr. Jack Chi Tse) to Mr. Kelvin Tse and Mr. Jack Chi Tse. In early May 2008, executed access agreements were received by Thrifty from Mr. Jack Tse and Mr. and Mrs. Kelvin Tse and on May 19, 2008 Thrifty executed the agreements and mailed copies back to the respective parties.

On June 25, 2008, Steven Plunkett of ACHCS contacted Simon Tregurtha (a Thrifty representative) via the telephone and stated he had recently been in contact with a representative of the Moriah Christian Fellowship Baptist Church (the Church) regarding the placement of a groundwater monitoring well on their property. Mr. Plunkett said that the Church representative had indicated they would be reviewing the access agreement and would return a signed copy to Thrifty in the near future. Mr. Plunkett also stated that he was going to enlist the help of the Oakland Fire Department to convince the Church to sign the access agreement. To date, Thrifty has not received the executed access agreement from the Church.

In a letter dated October 14, 2010, the Alameda County Health Care Service (ACHCS) conditionally approved the *Verification Sampling and Downgradient Investigation Workplan* (Workplan) prepared by Thrifty and dated September 22, 2010. As conditional approval, the ACHCS letter requested that Thrifty propose one additional boring location across Linden Street north of the proposed boring SB-3. In response to the ACHCS letter, Thrifty proposed one additional offsite soil boring location (SB-4) in the October 29, 2010 *Addendum to the September 22, 2010 Verification Sampling and Downgradient Investigation Workplan*.

A summary of soil sample results is included as **Table 1A**, and soil sample results for oxygenates is included as **Table 1B**. Historic groundwater data is tabulated in **Table 2A**, and historic oxygenates in groundwater data is tabulated in **Table 2B**. A summary table of well completion details for all historic wells completed at the Site is included as **Table 3**. **Figures 4A through 4C** represent contaminant concentrations of total petroleum hydrocarbons as gasoline, benzene, and MTBE in soil pre-remediation (0 – 10 feet bgs), respectively; **Figures 4D through 4F** represent contaminant concentrations of total petroleum hydrocarbons as gasoline, benzene, and MTBE in soil pre-remediation (11 – 20 feet bgs), respectively.

As stated in the First Semester 2010, Status Report submitted by Thrifty dated June 29, 2010, based on historical laboratory groundwater analytical data, Thrifty believes that the petroleum hydrocarbon plume associated with the adjacent Shell Station has migrated into the subsurface soils and groundwater of the Thrifty Station No. 049 property. Thrifty suggests that the ACHCS request Shell to take measures to mitigate the southern migration of their hydrocarbon plume. First Semester 2010 monitoring and sampling results of the Shell service station wells indicate the following maximum concentrations in dissolved phase:

- 37,000 µg/L TPHg in Shell well MW-6R and 2,100 µg/L benzene in Shell well MW-2; and
- 140 µg/L MTBE in Shell well MW-2
- Shell did not analyze TBA in any of its wells this semester

3.4 Previous Remedial Activities

Site remedial activities were initiated in April 1991. The remediation system consists of a groundwater treatment system using activated carbon, with groundwater extraction from well RW-1. On April 4, 2003, the system was shut off for upgrade activities after producing and treating approximately 1,445,088 gallons of water. As of June 24, 2008, the upgraded system produced and treated approximately 398,608 gallons of groundwater, and the old system and upgraded system produced and treated a combined cumulative system total of 1,843,696 gallons of groundwater since the system startup (April 1991).

Thrifty selected Advance GeoEnvironmental (AGE) to conduct remedial system upgrade activities including installation of a new treatment compound, installation of new piping, connection of piping to the replacement well network, and the operation and maintenance of the upgraded groundwater pump and treat system. In January 2004, AGE abandoned wells MW-2, MW-4, and RW-1 and replaced them with wells MW-2R, MW-4R, and RW-1R.

The upgraded remediation system was restarted by AGE for continuous operation on June 21, 2004. The primary components of the upgraded system within the treatment

compound consist of an air compressor, 500-gallon settling tank, control panel, and three 200-pound granular activated carbon canisters. The upgraded system is removing groundwater from extraction wells MW-2R, MW-4R, and RW-1R that are each equipped with downhole submersible pumps. On November 2, 2004, AGE reported that the pump had been stolen from well MW-4R. Because well MW-4R was producing more water than well MW-2R, the pump from well MW-2R was removed and installed in well MW-4R. On February 25, 2005, a new pump was installed in well MW-4R and the existing pump was replaced in well MW-2R.

On January 12, 2005, system operations and maintenance duties were assumed by EMC from AGE. According to EMC, as of December 14, 2010, the old system and upgraded system produced and treated a cumulative system total of 2,565,426 gallons (**Table 4**).

3.6 Interim Remedial Action

During underground storage tank (UST) removal activities conducted in March 1998, approximately 1,093 tons of impacted soil were excavated and removed from the site for disposal.

On April 22, 2008 Thrifty submitted the *Workplan for Five Bi-Weekly 24-Hour Mobile Dual Phase Extraction Events* (Workplan). The Workplan proposed conducting five bi-weekly 24-hour mobile DPE events as an interim remedial action in order to supplement current groundwater pump-and-treat operations and accelerate the remediation of the groundwater and soil contamination at the site and expedite case closure. Historical groundwater analytical data indicates a decreasing trend in dissolved-phase hydrocarbon concentrations at the site with the plume currently being limited to the area of wells MW-2R, MW-4R, and RW-1R. Thrifty proposed using onsite wells MW-2R, MW-4R, and RW-1R as simultaneous extraction points, and wells MW-1, MW-3, and MW-7 as observation wells.

In a letter dated July 29, 2008 the ACHCS stated that they did not agree with the scope of work proposed in Thrifty's Workplan and directed Thrifty to submit a Feasibility Study and Corrective Action Plan (FS/CAP). On September 25, 2008, Thrifty submitted a FS/CAP prepared by GHC and dated September 22, 2008. The FS/CAP proposed a 5-Day 24-hour MPE event.

From March 22 through 27, 2010, CalClean Inc. (CalClean) conducted a continuous 5-day (24 hour/day) high vacuum dual-phase extraction (HVDPE) event in wells MW-2R, MW-4R, and RW-1R. The HVDPE event was implemented under the "60-day rule" and completed in accordance with the September 25, 2008 FS/CAP and February 9, 2010, *Notification to Proceed with the Proposed 5 Consecutive Day (24-hour/day) Multi-Phase Extraction Event* letter. Details of the HVDPE event were presented in a *Continuous 5-day Mobile High Vacuum Dual-Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual-Phase Extraction Event* (HVDPE Report/WP) dated April 21, 2010. The HVDPE event was very successful in reducing residual vapor phase hydrocarbons in the subsurface soils. Reportedly, 510.40 pounds of

vapor phase hydrocarbons were removed and destroyed, and 12,840 gallons of groundwater were removed and discharged to the sewer through the existing onsite groundwater treatment system. First Semester 2010 groundwater sampling results for wells MW-2R, MW-4R and RW-1R indicate a significant decrease in total petroleum hydrocarbons as gasoline (TPHg) and benzene concentrations when compared to Second Semester 2009 results.

From August 4, 2010 through September 4, 2010, CalClean Inc. (CalClean) conducted a continuous 30-day (24 hour/day) high vacuum dual-phase extraction (HVDPE) event in wells MW-2R, MW-4R, and RW-1R. The HVDPE event was implemented in accordance with the *Continuous 5-day Mobile High Vacuum Dual-Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual-Phase Extraction Event* (HVDPE Report/WP) dated April 21, 2010 which was approved by default under the "60-day rule". The HVDPE event was very successful in reducing residual vapor phase hydrocarbons in the subsurface soils. Reportedly, 1,613.97 pounds of vapor phase hydrocarbons were removed and destroyed at an average removal rate of 2.24 pounds per hour, and 12,869 gallons of groundwater were removed and discharged to the sewer through the existing onsite groundwater treatment system. During the last ten days of operation vapor concentrations declined significantly and the vapor removal rate dropped to approximately 0.54 pounds per hour. The results of this work were documented in CalClean's *High Vacuum Dual Phase Extraction Report* dated September 29, 2010.

4.0 CLEANUP LEVELS FOR SOIL AND GROUNDWATER

San Francisco Bay Regional Water Quality Control Board's (SFRWQCB) environmental screening levels (ESLs) are attached in Appendix A and chemicals of concern ESLs are summarized in the table below:

ESLs

Compound	In Soils	In Soils	In
	(<3 Meters bgs)	(>3 Meters bgs)	Groundwater
	(mg/kg)	(mg/kg)	(ug/l)
	commercial/residential use	commercial/residential use	
Benzene	0.044/0.044	0.044/0.044	1
Toluene	2.9/2.9	2.9/2.9	40
Ethylbenzene	3.3/3.3	3.3/3.3	30

Total Xylenes	2.3/2.3	2.3/2.3	20
MtBE	0.03/0.03	0.03/0.03	5
TPHg	100/100	100/100	100

5.0 VERIFICATION SOIL SAMPLING AND DOWNGRADIENT GROUNDWATER INVESTIGATION

The scope of work for the verification sampling and downgradient groundwater investigation were set forth in the Verification Sampling and Downgradient Investigation Workplan prepared by Thrifty dated September 22, 2010. The ACHCS conditionally approved the scope of work in their letter to Thrifty dated October 14, 2010. The verification sampling and downgradient groundwater investigation were conducted by GHC on November 30, 2010. The sampling consisted of two onsite soil borings (SB-1 and SB-2) and two offsite soil borings (SB-3 and SB-4), with grab groundwater samples proposed from the two offsite borings.

Assessment activities were performed under the guidance of the site-specific Health and Safety Plan provided by GHC. The confirmation borings were drilled to verify the current soil concentrations at the Site following completion of soil and groundwater remediation activities and to define the downgradient limit of the dissolved-phase contamination plume. The boring logs are included in **Appendix A**. Soil boring permits were obtained from Alameda County prior to drilling activities and are included in **Appendix B** and access agreements were obtained for the offsite boring locations.

5.1 Soil Sampling and Analysis

Soil boring SB-1 through SB-4 was drilled using a truck mounted Geoprobe direct push hydraulic drilling rig. Soil samples were collected at continuous intervals using a 4-foot long split spoon sampler with an acetate liner. Soil samples were collected by cutting a piece of the acetate liner, covering it with Teflon tape, and capping it for laboratory analysis and the remaining soil was used to describe lithology conditions, and collect headspace vapor emissions. A total of 5 soil samples were collected from soil borings SB-1 (4 ft, 5 ft, 10 ft, 15 ft, and 20 ft), SB-2 (4 ft, 5 ft, 10 ft, 15 ft, and 20 ft), and SB-3 (5 ft, 10 ft, 15 ft, 20 ft, and 25 ft), and four soil samples were collected from SB-4 (5 ft, 10 ft, 15 ft, and 20 ft), and submitted for laboratory analysis. Soil types and other pertinent information were recorded on field boring logs in accordance with the Unified Soil Classification System. The boring logs are included in **Appendix A**. Headspace vapor emissions from each soil sample were also recorded in the field logs.

The collected soil samples were capped, sealed, and labeled. Each sample was packaged, labeled, and placed in an ice-chilled cooler in preparation for delivery to a State-certified

analytical laboratory. The soil samples were delivered the next day to a stationary laboratory, Associated Laboratories in Orange, California, which is certified by the state for the analytical methods performed.

Grab groundwater samples were attempted to be collected from soil borings SB-3 and SB-4. Soil boring SB-3 was drilled and extra five feet to a total depth of 25 feet bgs, however even after pulling the push rod back and waiting over 2 hours, free water was not present in the boring so a grab groundwater sample could not be obtained. A grab groundwater sample was easily collected from soil boring SB-4 which was drilled to a total depth of 20 feet bgs.

Each soil and groundwater sample was analyzed for TPHg by EPA Method 8015M, and for BTEX, MTBE, and other oxygenates by EPA Method 8260B.

Sampling equipment was washed in a soap solution and then rinsed twice prior to sampling in an effort to minimize cross-contamination. Drill cuttings were stored in labeled Department of Transportation (DOT) approved 55-gallon containers pending proper disposal. The drilling augers were steam-cleaned prior to and after drilling the boring to prevent cross-contamination, and decontamination water was stored in labeled DOT approved 55-gallon containers pending proper disposal.

5.2 Soil Sampling Results

A total of 5 soil samples were collected and analyzed from boring SB-1, with results summarized as follows:

- TPHg concentrations were only detected in the 5 foot sample above the MDL at a concentration of 7.1 mg/kg;
- Benzene concentrations were not detected above the MDL of 0.00018 mg/kg in all five soil samples;
- Toluene concentrations were not detected above the MDL of 0.00017 mg/kg in all five soil samples;
- Ethylbenzene concentrations were not detected above the MDL of 0.00023 mg/kg in all five soil samples;
- Xylenes concentrations were not detected above the MDL of 0.00023 mg/kg in all five soil samples;
- MTBE concentrations were detected above the MDL in the 10 foot sample, 15 foot sample, and 20 foot sample, which were collected below the water table, at concentrations of 0.003 J mg/kg, 0.014 mg/kg, and 0.0083 mg/kg, respectively;

- TBA concentrations were detected above the MDL in the 15 foot sample and 20 foot sample, which were collected below the water table, at concentrations of 1.65 mg/kg and 0.141 mg/kg, respectively; and
- The oxygenated compounds ETBE, DIPE, and TAME concentrations were not detected above the MDL or PQL in boring SB-1.

A total of 5 soil samples were collected and analyzed from boring SB-2, with results summarized as follows:

- TPHg concentrations were only detected in the 5 foot sample above the MDL at a concentration of 510 mg/kg;
- Benzene concentrations were only detected in the 15 foot sample above the MDL at a concentration of 0.0059 mg/kg;
- Toluene concentrations were not detected above the MDL of 0.00017 mg/kg in all five soil samples;
- Ethylbenzene concentrations were only detected in the 5 foot and 10 foot samples above the MDL at concentrations of 1.52 mg/kg and 0.0035 J mg/kg, respectively;
- Xylenes concentrations were only detected in the 5 foot and 10 foot samples above the MDL at concentrations of 0.839 mg/kg and 0.0019 J mg/kg, respectively;
- MTBE concentrations were detected above the MDL in the 10 foot sample and 15 foot sample, which were collected below the water table, at concentrations of 0.0033 J mg/kg and 0.091 mg/kg, respectively;
- TBA concentrations were detected above the MDL in the 15 foot sample and 20 foot sample, which were collected below the water table, at concentrations of 0.678 mg/kg and 0.956 mg/kg, respectively; and
- The oxygenated compounds ETBE, DIPE, and TAME concentrations were not detected above the MDL or PQL in boring SB-2.

A total of 5 soil samples were collected and analyzed from boring SB-3, with results summarized as follows:

- TPHg concentrations were not detected above the MDL of 0.018 mg/kg in all five soil samples;
- Benzene concentrations were not detected above the MDL of 0.00018 mg/kg in all five soil samples;

- Toluene concentrations were not detected above the MDL of 0.00017 mg/kg in all five soil samples;
- Ethylbenzene concentrations were not detected above the MDL of 0.00023 mg/kg in all five soil samples;
- Xylenes concentrations were not detected above the MDL of 0.00038 mg/kg in all five soil samples; and
- The oxygenated compounds MTBE, TBA, ETBE, DIPE, and TAME concentrations were not detected above the MDL or PQL in boring SB-3.

A total of 4 soil samples were collected and analyzed from boring SB-4, with results summarized as follows:

- TPHg concentrations were not detected above the MDL of 0.018 mg/kg in all five soil samples;
- Benzene concentrations were not detected above the MDL of 0.00018 mg/kg in all five soil samples;
- Toluene concentrations were not detected above the MDL of 0.00017 mg/kg in all five soil samples;
- Ethylbenzene concentrations were not detected above the MDL of 0.00023 mg/kg in all five soil samples;
- Xylenes concentrations were not detected above the MDL of 0.00038 mg/kg in all five soil samples; and
- MTBE concentrations were only detected above the MDL in the 15 foot sample, which was collected from below the water table, at concentrations of 0.0052 mg/kg; and
- The oxygenated compounds TBA, ETBE, DIPE, and TAME concentrations were not detected above the MDL or PQL in boring SB-4.

Figures 4G through 4J represent contaminant concentrations of total petroleum hydrocarbons as gasoline, benzene, MTBE, and TBA in soil post-remediation (0 – 10 feet bgs), respectively; **Figures 4K through 4N** represent contaminant concentrations of total petroleum hydrocarbons as gasoline, benzene, MTBE, and TBA in soil post-remediation (11 – 20 feet bgs), respectively. Soil sample results for boring SB-1, SB-2, SB-3, and SB-4 are summarized in **Tables 1A and 1B**. The laboratory reports and chain-of-custody documentation for samples collected during this investigation are included in **Appendix C**.

5.3 Grab Groundwater Sampling Results

Grab groundwater samples were proposed to be collected from the two offsite borings, SB-3 and SB-4. Soil boring SB-3 was drilled to 20 feet bgs and the probe was retracted and after approximately 30 minutes there was no water in the borehole. The boring was drilled another 5 feet in depth to a maximum of 25 feet bgs, however, even after waiting for two hours for water to enter the boring there was no free water present so a grab groundwater sample could not be collected from this location. It should be noted that there were no analytes of concern detected from any of the soil samples collected from boring SB-3 indicated that if there was any groundwater present at the depths sampled, it did not appear to be impacted by petroleum hydrocarbons. Soil boring SB-4 was drilled to a total depth of 20 feet bgs, and a grab groundwater sample was easily obtained filling 4 preserved VOA vials.

The grab groundwater sample collected and analyzed from boring SB-4, had the following results:

- TPHg concentrations were not detected above the MDL of 0.0066 mg/L;
- Benzene concentrations were not detected above the MDL of 0.00018 mg/L;
- Toluene concentrations were not detected above the MDL of 0.00024 mg/L;
- Ethylbenzene concentrations were not detected above the MDL of 0.00021 mg/L;
- Xylenes concentrations were not detected above the MDL of 0.00045 mg/L;
- MTBE concentrations were not detected at 0.012 mg/L which is below the MCL for this compound;
- The oxygenated compounds TBA, ETBE, DIPE, and TAME concentrations were not detected above the MDL or PQL in the grab groundwater sample collected from soil boring SB-4.

The distributions of the maximum detected TPHg, benzene, MTBE, and TBA concentrations in groundwater post-remediation are depicted in **Figure 6A, 6B, 6C, and 6D**, respectively. Groundwater sample results from boring SB-4 are summarized in **Tables 2A and 2B**. The laboratory reports and chain-of-custody documentation for samples collected during this investigation are included in **Appendix C**.

6.0 CONCLUSIONS

The data collected during this investigation indicate that hydrocarbon-affected soil in the area surrounding borings SB-1 and SB-2 have been successfully remediated, as indicated by the residual hydrocarbon concentrations detected in these soil samples being below the

San Francisco Bay Regional Water Quality Control Board's (SFRWQCB) environmental screening levels (ESLs) with the exception of only two soil samples from SB-2 which were only slightly over the ESLs with a TPHg concentration of 510 mg/kg and the 15 foot soil sample from SB-2 with an MTBE concentration of 0.091 mg/kg.

Groundwater was not present in shallow soil in boring SB-3 so a sample could not be collected, however the soil sample results indicated that there did not appear to be any hydrocarbon impacts in the offsite soils sampled and groundwater if it were present. The grab groundwater sample collected from soil boring SB-4 indicated only a minor detectable concentration of MTBE at 0.012 mg/L, which is below the California MCL (0.013 µg/L for MTBE) for this compound. Based on these results it appears that the petroleum hydrocarbon groundwater plume is relatively confined to the property and it has been successfully delineated. It is also very possible that this minor impact in offsite boring SB-4 has actually originated from the neighboring Shell Station located upgradient of this area.

7.0 RECOMMENDATIONS

Based on the data collected and analyzed during this investigation, along with the remedial efforts performed by Thrifty at the Site for soil and groundwater issues to date, GHC believes that the Site has been successfully assessed and remediated to residual concentrations that no longer appear to present a threat to groundwater or the environment. Any residual concentrations that may remain below the Site, are not migrating offsite and will naturally attenuate to non-detect levels in a reasonable time frame. Therefore GHC on behalf of Thrifty respectfully requests closure for soil and groundwater issues at the Site and recommends no further action for assessment and remedial measures at the Site.

8.0 REFERENCES

Thrifty Oil Co., *Workplan for Bi-Weekly Mobile Dual Phase Vapor Extraction (DPE) Events*, April 22, 2008. TOC SS #049, located at 3400 San Pablo Avenue, Oakland, California.

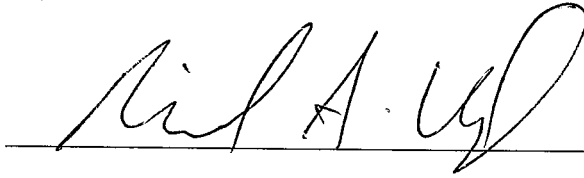
Thrifty Oil Co., *Second Quarter 2008 Status Report*, June 26, 2008. TOC SS #049, located at 3400 San Pablo Avenue, Oakland, California.

Blaine Tech Services Inc., *Second Quarter 2008 Groundwater Monitoring Report*, May 8, 2008. Shell/Current AmeriGas Service Station, located at 3420 San Pablo Avenue, Oakland, California.

Geohydrologic Consultants, *Site Conceptual Model and Plume Travel Time Report*, May 3, 2006. TOC SS #049, located at 3400 San Pablo Avenue, Oakland, California.

CERTIFICATION

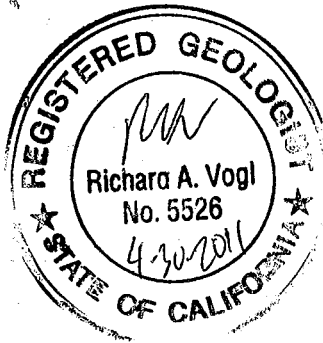
All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Geohydrologic Consultants, Inc. California Registered Geologist.



Dec 27, 2010

Richard A. Vogl
Principal Hydrogeologist
California Registered Geologist (5526)
California Certified Hydrogeologist (47)
California Certified Engineering Geologist (2036)

Date



TABLES

TABLE 1A
Historic and Recent Soil Sample Laboratory Analytical Results
 Thrifty Oil Station #049 - Oakland, CA
 GHC - 1665

Sample ID	Date Sampled	ANALYTICAL PARAMETERS					
		TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)
ESLs shallow soil (<3m bgs)		100	0.044	2.9	3.3	2.3	0.023
ESLs deep soil (>3m bgs)		100	0.044	2.9	3.3	2.3	0.023
MW-1	7/31/1986	ND					
MW-2	7/31/1986	ND					
MW-3(4-4.5 ft)	7/31/1986	22					
SB-1	7/31/1986	ND					
SB-2(9-9.5 ft)	7/31/1986	67					
SB-3	7/31/1986	ND					
MW-4(6.75 ft)	11/14/1986	1,200	12				
MW-5	11/14/1986						
MW-6	11/14/1986						
MW-7(6.50 ft)	11/14/1986	ND	ND				
B-1	9/11/1987						
B-2(5 ft)	9/11/1987	3,600					
B-3	9/11/1987	ND					
B-4	9/11/1987						
B-5	9/11/1987						
T-1	3/23/1998	430	3.0	<1.2	7.3	7.5	<6.2
T-2	3/23/1998	31	0.74	0.15	0.65	1.1	4.7
T-3	3/23/1998	73	0.34	<0.10	<0.10	0.56	<0.50
T-4	3/23/1998	1,600	9.3	17	22	100	27
P-1	3/23/1998	27	0.36	0.054	0.53	0.10	13
P-2	3/23/1998	1,800	3.4	3.1	11	21	6.0
P-3	3/23/1998	14	0.28	0.023	0.048	0.16	2.8
P-4	3/23/1998	3,900	19	42	53	330	22
P-5	3/23/1998	9.5	0.15	0.080	0.031	0.12	0.066
B1-5	1/6/2004	<0.401	0.0018J	<0.00042	<0.00041	<0.0008	0.097
B1-10	1/6/2004	<0.401	0.016	<0.00042	0.0023J	0.001J	0.411
B1-15	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	<0.0008	0.053
B1-20	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	<0.0008	0.019
B2-5	1/6/2004	654	<0.0195	<0.021	5.89	31.3	0.140J
B2-10	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	0.007	0.939
B2-15	1/6/2004	<0.401	<0.00039	<0.00042	0.0014J	0.0084	0.22
B2-20	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	<0.0008	0.0055
B3-10	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	0.0035J	0.609
B3-15	1/6/2004	<0.401	0.0021J	0.0061	0.0041J	0.02	1.32
B3-20	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	0.0032J	1.06
B4-5	1/6/2004	30	0.0023J	<0.00042	0.0018J	0.0035J	0.024
B4-10	1/6/2004	<0.041	<0.00039	<0.00042	<0.00041	<0.0008	1.07
B4-15	1/6/2004	<0.041	<0.00039	<0.00042	<0.00041	<0.0008	0.121
B4-20	1/6/2004	<0.401	<0.00039	<0.00042	<0.00041	<0.0008	0.42
SB-1-4	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-1-5	11/30/2010	7.1	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-1-10	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	0.003 J
SB-1-15	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	0.014
SB-1-20	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	0.0083
SB-2-4	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-2-5	11/30/2010	510	<0.00018	<0.00017	1.52	0.839	<0.00017
SB-2-10	11/30/2010	<0.018	<0.00018	<0.00017	0.0035 J	0.0019 J	0.0033 J
SB-2-15	11/30/2010	<0.018	0.0059	<0.00017	<0.00023	<0.00038	0.091
SB-2-20	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-3-5	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-3-10	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-3-15	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-3-20	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-3-25	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017

TABLE 1A
Historic and Recent Soil Sample Laboratory Analytical Results
 Thrifty Oil Station #049 - Oakland, CA
 GHC - 1665

Sample ID	Date Sampled	ANALYTICAL PARAMETERS					
		TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)
SB-4-5	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-4-10	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017
SB-4-15	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	0.0052
SB-4-20	11/30/2010	<0.018	<0.00018	<0.00017	<0.00023	<0.00038	<0.00017

NOTES: TPHg analyzed by EPA Method 8015M
 BTEX and MTBE analysis by EPA Method 8260B
 "<" = Less than the specified laboratory detection limit
 "J" = Trace
 * = Total Recoverable Petroleum Hydrocarbons
 = Not analyzed
 ESLs = Environmental Screening Levels
 3m bgs = 3 meters (10 feet) below ground surface

TABLE 1B
Historic and Recent Soil Sample Laboratory Analytical Results
Other Oxygenates

Thrifty Oil Station #049 - Oakland, CA
GHC - 1665

Sample ID	Date Sampled	ANALYTICAL PARAMETERS			
		DIPE (mg/Kg)	ETBE (mg/Kg)	TAME (mg/Kg)	TBA (mg/Kg)
B1-5	10/6/2004	<0.00082	<0.00077	<0.00061	0.132
B1-10	10/6/2004	<0.00082	<0.00077	0.024	0.304
B1-15	10/6/2004	<0.00082	<0.00077	<0.00061	0.012J
B1-20	10/6/2004	<0.00082	<0.00077	<0.00061	<0.005
B2-5	10/6/2004	<0.041	<0.0385	<0.0305	<0.250
B2-10	10/6/2004	<0.00082	<0.00077	0.011	0.339
B2-15	10/6/2004	0.0016J	<0.00077	0.0011J	0.038J
B2-20	10/6/2004	<0.00082	<0.00077	<0.00061	<0.005
B3-10	10/6/2004	<0.00082	<0.00077	0.0024J	0.488
B3-15	10/6/2004	<0.00082	<0.00077	0.025	0.263
B3-20	10/6/2004	<0.00082	<0.00077	0.025	0.175
B4-5	10/6/2004	<0.00082	<0.00077	<0.00061	0.013J
B4-10	10/6/2004	<0.00082	<0.00077	0.0028J	0.496
B4-15	10/6/2004	<0.00082	<0.00077	<0.00061	0.019J
B4-20	10/6/2004	<0.00082	<0.00077	<0.00061	0.070
SB-1-4	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-1-5	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-1-10	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-1-15	11/30/2010	<0.00017	<0.00025	<0.00013	1.650
SB-1-20	11/30/2010	<0.00017	<0.00025	<0.00013	0.141
SB-2-4	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-2-5	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-2-10	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-2-15	11/30/2010	<0.00017	<0.00025	<0.00013	0.678
SB-2-20	11/30/2010	<0.00017	<0.00025	<0.00013	0.956
SB-3-5	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-3-10	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-3-15	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-3-20	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-3-25	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-4-5	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-4-10	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-4-15	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088
SB-4-20	11/30/2010	<0.00017	<0.00025	<0.00013	<0.0088

NOTES: Oxygenate analysis by EPA Method 8260B
"<" = Less than the specified laboratory detection limit
"J" = Trace
DIPE = Di IsoPropyl Ether TAME = Tert Amyl Methyl Ether
ETBE = Ethyl Tert Butyl Ether TBA = Tert Butyl Alcohol

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-1											
Screen Interval = 5 to 25 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	5.54	0.00	98.03	92.49
04/13/92	-	-	-	-	-	-	NP	5.86	0.00	98.03	92.17
10/05/92	-	-	-	-	-	-	NP	9.39	0.00	98.03	88.64
01/06/93	-	-	-	-	-	-	NP	4.76	0.00	98.03	93.27
04/26/93	-	-	-	-	-	-	NP	4.96	0.00	98.03	93.07
01/04/94	-	-	-	-	-	-	NP	7.00	0.00	98.03	91.03
04/05/94	-	-	-	-	-	-	NP	6.44	0.00	98.03	91.59
10/09/95	44,000	4,500	4,300	1,700	10,000	-	-	-	-	98.03	-
01/08/96	21,000	1,200	150	34	4,800	-	-	-	-	98.03	-
04/08/96	4,700	80	110	10	910	-	NP	6.15	0.00	98.03	91.88
07/22/96	7,000	280	130	<3.0	2,100	440	NP	5.40	0.00	98.03	92.63
10/16/96	120	<0.3	<0.3	<0.3	<0.5	180	NP	5.50	0.00	98.03	92.53
01/22/97	160	<0.3	<0.3	<0.3	<0.5	360	NP	6.02	0.00	98.03	92.01
04/21/97	20,000	420	140	5.8	840	55,000	NP	4.40	0.00	98.03	93.63
07/14/97	13,000	<0.3	<0.3	<0.3	<0.55	30,000	NP	6.30	0.00	98.03	91.73
10/07/97	-	-	-	-	-	-	NP	5.92	0.00	98.03	92.11
01/15/98	<50	0.3	<0.3	<0.3	<0.5	-	7.70	7.71	0.01	98.03	90.33
04/23/98	540	<0.3	<0.3	<0.3	<0.5	<20	NP	4.40	0.00	98.03	93.63
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	8.10	0.00	98.03	89.93
10/14/98	50	1.4	0.56	<0.3	11	22	NP	5.55	0.00	98.03	92.48
01/21/99	<50	0.59	<0.3	<0.3	<0.5	<5.0	NP	7.05	0.00	98.03	90.98
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	4.10	0.00	98.03	93.93
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	4.30	0.00	98.03	93.73
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	5.54	0.00	98.03	92.49
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.13	0.00	98.03	91.90
04/05/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	NP	6.04	0.00	98.03	91.99
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	4.03	0.00	98.03	94.00
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.00	0.00	98.03	94.03
01/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.53	0.00	98.03	92.50
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.97	0.00	98.03	94.06
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.98	0.00	98.03	94.05
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.51	0.00	98.03	92.52
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.97	0.00	98.03	94.06
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.95	0.00	98.03	94.08
07/31/02	<50	<0.18	1.3	<0.18	<0.26	<0.24	NP	2.42	0.00	98.03	95.61
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	16	NP	5.49	0.00	98.03	92.54
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	6.13	0.00	98.03	91.90
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	2.45	0.00	98.03	95.58
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	7.02	0.00	98.03	91.01
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.15	0.00	98.03	92.88
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.13	0.00	98.03	92.90
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	3.92	0.00	98.03	94.11
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.54	0.00	98.03	93.49
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	7.01	0.00	98.03	91.02
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.46	0.00	98.03	92.57
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.48	0.00	98.03	92.55
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.99	0.00	98.03	91.04
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.42	0.00	98.03	91.61
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.98	0.00	98.03	91.05
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.56	0.00	98.03	93.47
07/19/06	17,100	21	279	388	2,010	128	NP	3.93	0.00	98.03	94.10
								5.92	0.00	98.03	92.11

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/15/06	<5.6	<0.32	<0.10	<0.24	<0.30	33	NP	6.38	0.00	98.03	91.65
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.99	0.00	98.03	91.04
01/17/07	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.40	0.00	31.55	26.15
04/18/07	<5.6	<0.32	<0.10	<0.24	<0.3	7.1	NP	5.46	0.00	31.55	26.09
07/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	4.9	NP	5.92	0.00	31.55	25.63
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	1.6	NP	5.46	0.00	31.55	26.09
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	1.3	NP	5.46	0.00	31.55	26.09
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.45	0.00	31.55	26.10
07/16/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.44	0.00	31.55	26.11
10/15/08	<6.6	<0.18	<0.24	<0.21	1.2 J	<0.19	NP	6.96	0.00	31.55	24.59
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.44	0.00	31.55	26.11
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.47	0.00	31.55	26.08
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.48	0.00	31.55	26.07
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.46	0.00	31.55	26.09
10/20/10	<6.6	<0.18	1.1 J	<0.21	1.7 J	<0.19	NP	5.30	0.00	31.55	26.25
						<0.19	NP	5.46	0.00	31.55	26.09
MONITORING WELL #MW-2											
Screen Interval = 5 to 25 feet											
01/09/92	-	-	-	-	-	-	NP	5.35	0.00	97.44	92.09
04/13/92	-	-	-	-	-	-	NP	7.42	0.00	97.44	90.02
10/05/92	-	-	-	-	-	-	NP	12.15	0.00	97.44	85.29
01/06/93	-	-	-	-	-	-	NP	5.46	0.00	97.44	91.98
04/26/93	-	-	-	-	-	-	NP	5.15	0.00	97.44	92.29
01/04/94	-	-	-	-	-	-	NP	9.45	0.00	97.44	87.99
04/05/94	-	-	-	-	-	-	NP	8.23	0.00	97.44	89.21
10/09/95	33,000	6,000	390	1,700	4,900	-	-	-	-	97.44	-
01/08/96	<50	0.32	<0.3	0.41	2.1	-	NP	5.60	0.00	97.44	91.84
04/08/96	10,000	490	210	210	830	-	NP	5.43	0.00	97.44	92.01
07/22/96	60,000	6,500	1,000	1,500	10,000	8,500	NP	5.65	0.00	97.44	91.79
10/16/96	6,500	12	0.34	0.72	110	4,700	NP	5.82	0.00	97.44	91.62
01/22/97	3,200	<0.3	0.46	0.37	<0.5	8,000	NP	4.30	0.00	97.44	93.14
04/21/97	66,000	5,300	1,000	2,300	14,000	30,000	NP	5.80	0.00	97.44	91.64
07/14/97	17,000	1.8	4.6	4.6	350	24,000	NP	8.92	0.00	97.44	88.52
10/07/97	220,000	5,200	1,700	3,800	15,000	-	NP	6.80	0.00	97.44	90.64
01/19/98	25,000	5.4	2.2	2.1	240	-	NP	8.50	0.00	97.44	88.94
04/23/98	7,700	<0.3	0.55	0.38	4.9	28,000	NP	7.60	0.00	97.44	89.84
07/20/98	430,000	4,200	10,000	5,400	28,000	77,000	NP	6.94	0.00	97.44	90.50
10/14/98	27,000	<0.3	4.5	4.1	4.6	65,000	NP	8.45	0.00	97.44	88.99
01/21/99	16,000	7.6	9.8	4.2	310	*49,000 / 42,000	NP	6.95	0.00	97.44	90.49
04/15/99	20,000	<0.3	<0.3	<0.3	<0.5	*31,000 / 30,000	NP	8.45	0.00	97.44	88.99
07/26/99	6,700	<6.0	<6.0	<6.0	<10	*11,000 / 15,000	NP	6.94	0.00	97.44	90.50
10/13/99	7,600	<3.0	3.7	<3.0	11	11,000	NP	5.48	0.00	97.44	91.96
01/20/00	7,500	<6.0	<6.0	<6.0	<10	*14,000 / 16,000	NP	5.84	0.00	97.44	91.60
04/05/00	10,400	<0.25	<0.25	<0.25	<0.5	*10,000 / 14,400	NP	5.41	0.00	97.44	92.03
07/19/00	130	<0.3	<0.3	<0.3	<0.6	*9,620 / 6,520	NP	5.40	0.00	97.44	92.04
10/18/00	150	<0.18	<0.14	<0.18	<0.26	*9,090 / 6,560	NP	6.91	0.00	97.44	90.53
01/17/01	75	<0.18	2.0	2.0	3.0	*8,650 / 9,710	NP	5.41	0.00	97.44	92.03
04/19/01	4,380	<0.18	<0.14	<0.18	<0.26	8,890	NP	5.40	0.00	97.44	92.04
07/18/01	3,260	<0.18	<0.14	<0.18	2.0	*7960 / 1,710	NP	6.92	0.00	97.44	90.52
10/10/01	1,760	<0.18	<0.14	<0.18	<0.26	*2,980 / 2,600	NP	3.87	0.00	97.44	93.57
01/30/02	1,770	<0.18	1.0	1.0	2.0	*2,560 / 1,590	NP	8.45	0.00	97.44	88.99
04/17/02	1,470	1.0	<0.14	<0.18	<0.26	*2,460 / 2,080	NP	8.45	0.00	97.44	88.99

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/31/02	3,910	<0.18	1.2	<0.18	2.1	*2,090 / 1,740	NP	9.98	0.00	97.44	87.46
11/14/02	39,400	1,680	728	173	5,120	8,270	NP	5.40	0.00	97.44	92.04
01/29/03	22,100	746	76	<1.0	2,840	8,220	NP	8.43	0.00	97.44	89.01
04/23/03	19,500	<0.8	<0.4	<0.4	<1.2	9,580	NP	5.38	0.00	97.44	92.06
07/10/03	29,900	<2.2	<3.2	<3.1	<4.0	6,690	NP	5.10	0.00	97.44	92.34
10/20/03	13,000	4.79	<0.02	<0.02	<0.06	*6,330 / 5,980	NP	5.10	0.00	97.44	92.34
WELL ABANDONED 01/2004											
MONITORING WELL #MW-2R											
Screen Interval = 5 to 20 feet						Casing Diameter = 4 inches					
02/03/04											
04/08/04	11,600	304	16 J	55	427	4,170	-	-	-	-	-
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.58	0.00	-	-
10/20/04	20,900	3,180	2,970	259	1,240	92	NP	6.72	0.00	-	-
01/19/05	18,900	537	250	866	2,290	3,340	NP	3.72	0.00	-	-
04/20/05	13,100	<2.2	<3.2	<3.1	<4.0	563	NP	4.50	0.00	-	-
07/07/05	2,500	70	7.6	<0.24	160	1,930	-	-	0.00	-	-
07/20/05	4,260	392	15 J	175	100	742	-	-	-	-	-
10/19/05	321	<0.32	<0.10	<0.24	<0.30	423	NP	6.12	0.00	-	-
01/24/06	3,200	34	331	87	510	86	NP	5.28	0.00	-	-
04/19/06	22,100	440	4,240	234	1,530	195	NP	4.58	0.00	-	-
07/19/06	15,800	377	629	627	578	530	NP	3.38	0.00	-	-
09/15/06	-	-	-	-	-	-	NP	8.10	0.00	-	-
10/18/06	57,600	75	5,730	1,770	7,820	263	NP	-	-	-	-
01/17/07	117,000	254	15,200	4,840	28,800	300	NP	5.28	0.00	-	-
04/18/07	896	<0.32	<0.10	<0.24	117	49	NP	6.82	0.00	30.49	23.67
07/18/07	2,290	106	3.7 J	2.2 J	160	146	NP	7.60	0.00	30.49	22.89
10/17/07	313	<0.18	5.9	1.6 J	20	162	NP	5.62	0.00	30.49	24.87
01/16/08	77	<0.18	<0.24	<0.21	<0.45	105	NP	3.41	0.00	30.49	27.08
04/22/08	30,300	165	3,660	2,060	11,400	<19	NP	4.51	0.00	30.49	25.98
07/16/08	15,100	62	600	186	1,280	148	NP	7.59	0.00	30.49	22.90
10/15/08	291	12	<0.24	<0.21	1.1 J	263	NP	5.26	0.00	30.49	25.23
01/21/09	1,060	11	176	41	243	123	NP	4.52	0.00	30.49	25.97
04/15/09	26,500	154	2,360	874	5,600	66	NP	4.52	0.00	30.49	25.97
10/21/09	12,600	396	2,380	469	2,870	<1.9	NP	4.53	0.00	30.49	25.96
04/21/10	6,350	40	180	109	878	24	NP	3.79	0.00	30.49	26.70
10/20/10	83	<0.18	<0.24	<0.21	<0.45	23	NP	4.35	0.00	30.49	26.14
							NP	4.51	0.00	30.49	25.98
MONITORING WELL #MW-3											
Screen Interval = 5 to 25 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	17.60	0.00	97.69	80.09
04/13/92	-	-	-	-	-	-	NP	17.40	0.00	97.69	80.29
10/05/92	-	-	-	-	-	-	NP	17.35	0.00	97.69	80.34
01/06/93	-	-	-	-	-	-	NP	17.40	0.00	97.69	80.29
04/26/93	-	-	-	-	-	-	NP	17.90	0.00	97.69	79.79
01/04/94	-	-	-	-	-	-	NP	17.60	0.00	97.69	80.09
04/05/94	-	-	-	-	-	-	NP	16.25	0.00	97.69	81.44
01/08/96	-	-	-	-	-	-	NP	7.11	0.00	97.69	90.58
04/08/96	8,800	610	31	530	900	-	NP	7.20	0.00	97.69	90.49
07/22/96	38,000	4,100	1,500	1,600	5,400	2,600	NP	6.82	0.00	97.69	90.87
10/16/96	2,400	<0.3	<0.3	<0.3	<0.5	3,800	NP	6.84	0.00	97.69	90.85
01/22/97	2,200	<0.3	<0.3	<0.3	<0.5	5,500	NP	4.80	0.00	97.69	92.89
04/21/97	15,000	1,500	36	260	710	11,000	NP	9.40	0.00	97.69	88.29

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/14/97	5,400	0.45	<0.3	<0.3	<0.5	14,000	NP	10.92	0.00	97.69	86.77
10/07/97	8,800	0.39	<0.3	<0.3	0.88	-	NP	11.95	0.00	97.69	85.74
01/19/98	22,000	1,300	15	20	310	-	NP	7.85	0.00	97.69	89.84
04/23/98	9,200	3.9	3.1	5.7	9.8	16,000	NP	11.20	0.00	97.69	86.49
07/20/98	750	0.41	1.4	0.47	1.8	2,800	NP	7.36	0.00	97.69	90.33
10/14/98	750	<0.3	<0.3	<0.3	<0.5	15,000	NP	11.95	0.00	97.69	85.74
01/21/99	4,700	0.32	<0.3	<0.3	<0.5	* 12,000 / 16,000	NP	10.45	0.00	97.69	87.24
04/15/99	7,900	0.59	0.69	<0.3	0.94	* 11,000 / 14,000	NP	7.86	0.00	97.69	89.83
07/26/99	5,200	<3.0	<3.0	<3.0	<5.0	*9,600 / 11,000	NP	10.40	0.00	97.69	87.29
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	7.09	0.00	97.69	90.60
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.86	0.00	97.69	90.83
04/05/00	<50	0.8	<0.25	<0.25	<0.5	*5.6 / <5.0	NP	8.85	0.00	97.69	88.84
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	8.86	0.00	97.69	88.83
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	7.32	0.00	97.69	90.37
01/17/01	<50	<0.18	2.0	<0.18	1.0	*39 / 39	NP	5.40	0.00	97.69	92.29
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	8.87	0.00	97.69	88.82
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	7.32	0.00	97.69	90.37
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	8.87	0.00	97.69	88.82
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.78	0.00	97.69	91.91
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	7.31	0.00	97.69	90.38
07/31/02	138	1.1	1.2	<0.18	<0.26	<0.24	NP	5.76	0.00	97.69	91.93
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	21	NP	5.73	0.00	97.69	91.96
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	16	NP	7.30	0.00	97.69	90.39
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	16	NP	5.76	0.00	97.69	91.93
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	11	NP	5.63	0.00	97.69	92.06
10/20/03	13,700	4.13	<0.02	<0.02	<0.06	*6,570 / 4,920	NP	5.61	0.00	97.69	92.08
01/14/04	1,160	2.0	2.2	6.1	7.8	*1,510 / 767	NP	4.23	0.00	97.69	93.46
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.48	0.00	97.69	92.21
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.66	0.00	97.69	91.03
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.20	0.00	97.69	93.49
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.74	0.00	97.69	91.95
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	7.23	0.00	97.69	90.46
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.82	0.00	97.69	90.87
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	7.0	NP	7.26	0.00	97.69	90.43
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.50	0.00	97.69	92.19
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.72	0.00	97.69	91.97
07/19/06	12,900	539	744	169	296	1,640	NP	5.63	0.00	97.69	92.06
09/15/06	1,750	4.3	68	11	90	502	NP	6.62	0.00	97.69	91.07
10/18/06	75	<0.32	<0.10	1.1 J	1.1 J	47	NP	5.72	0.00	97.69	91.97
01/17/07	<5.6	<0.32	2.1 J	<0.24	1.0 J	13	NP	5.73	0.00	31.15	25.42
04/18/07	<5.6	<0.32	2.0 J	<0.24	6.2	11	NP	5.74	0.00	31.15	25.41
07/18/07	<5.6	<0.18	2.2 J	<0.21	1.3 J	5.3	NP	8.36	0.00	31.15	22.79
10/17/07	<5.6	1.0	<0.24	<0.21	<0.45	1.5	NP	5.74	0.00	31.15	25.41
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	1.3	NP	5.73	0.00	31.15	25.42
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	1.2	NP	5.73	0.00	31.15	25.42
07/16/08	<6.6	<0.18	1.0 J	<0.21	1.5 J	<0.19	NP	7.23	0.00	31.15	23.92
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.72	0.00	31.15	25.43
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.76	0.00	31.15	25.39
04/15/09	<6.6	<0.18	1.1 J	<0.21	<0.45	<0.19	NP	5.73	0.00	31.15	25.42
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.23	0.00	31.15	26.92
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.90	0.00	31.15	25.25
10/20/10	<6.6	<0.18	<0.24	<0.21	1.2 J	<0.19	NP	5.71	0.00	31.15	25.44

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-4 Screen Interval = 4 to 14 feet											
01/09/92	-	-	-	-	-	-	NP	5.25	0.00	97.33	92.08
04/13/92	-	-	-	-	-	-	NP	6.40	0.00	97.33	90.93
10/05/92	-	-	-	-	-	-	NP	9.95	0.00	97.33	87.38
01/06/93	-	-	-	-	-	-	NP	4.10	0.00	97.33	93.23
04/26/93	-	-	-	-	-	-	NP	4.84	0.00	97.33	92.49
01/04/94	-	-	-	-	-	-	NP	9.05	0.00	97.33	88.28
04/05/94	-	-	-	-	-	-	NP	8.10	0.00	97.33	89.23
10/09/95	63,000	9,000	2,100	2,500	9,600	-	-	-	-	97.33	-
01/08/96	23,000	2,200	830	880	3,600	-	NP	5.57	0.00	97.33	91.76
04/08/96	56,000	5,000	2,500	2,600	11,000	-	NP	5.36	0.00	97.33	91.97
07/22/96	33,000	3,700	1,600	1,400	6,000	2,400	NP	4.80	0.00	97.33	92.53
10/16/96	2,800	7.8	0.60	0.41	52	2,000	NP	5.47	0.00	97.33	91.86
01/22/97	1,400	<0.3	<0.3	<0.3	<0.5	3,100	NP	5.15	0.00	97.33	92.18
04/21/97	-	-	-	-	-	-	5.30	6.36	1.06	97.33	91.77
07/14/97	-	-	-	-	-	-	5.21	5.24	0.03	97.33	92.11
10/07/97	-	-	-	-	-	-	7.80	7.82	0.02	97.33	89.53
01/15/98	-	-	-	-	-	-	6.60	6.68	0.08	97.33	90.71
04/23/98	-	-	-	-	-	-	5.30	6.36	1.06	97.33	91.77
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.05	0.00	97.33	91.28
10/14/98	3,100	86	23	2.0	520	1,100	NP	6.85	0.00	97.33	90.48
01/21/99	9,100	3.2	5.6	1.8	130	* 24,000 / 17,000	NP	6.10	0.00	97.33	91.23
04/15/99	14,000	<0.3	0.71	<0.3	<0.5	* 20,000 / 22,000	NP	6.05	0.00	97.33	91.28
07/26/99	4,500	<6.0	<6	<6	<10	*8,700 / 9,800	NP	6.07	0.00	97.33	91.26
10/13/99	410	<0.3	0.63	<0.3	<0.5	660	NP	5.54	0.00	97.33	91.79
01/20/00	770	<0.3	<0.3	<0.3	<0.5	*2,400 / 1,900	NP	5.49	0.00	97.33	91.84
04/05/00	61,200	0.9	<0.25	<0.25	<0.5	*18,500 / 21,900	NP	5.30	0.00	97.33	92.03
07/19/00	96,600	1,770	1,760	2,690	8,730	21,900 / 9,740 J	NP	5.29	0.00	97.33	92.04
10/18/00	34,900	698	1,010	607	4,130	*27,800 / 15,900	NP	6.02	0.00	97.33	91.31
01/17/01	29,100	799	930	614	3,400	*24,300 / 31,400	NP	4.88	0.00	97.33	92.45
04/19/01	103,000	4,880	3,980	3,260	11,800	66,900	NP	4.89	0.00	97.33	92.44
07/18/01	52,200	3,320	2,090	440	5,520	*55,500 / 16,800	NP	6.04	0.00	97.33	91.29
10/10/01	8,580	6.1	14	5.3	70	*40,100 / 30,000	NP	4.51	0.00	97.33	92.82
01/30/02	36,500	<0.18	3.0	1.0	3.0	*43,000 / 24,900	NP	4.51	0.00	97.33	92.82
04/17/02	12,900	8.0	1.0	<0.18	1.0	16,000 / 13,600	NP	4.51	0.00	97.33	92.82
07/31/02	19,300	<0.18	1.2	1.5	2.6	*13,200 / 10,100	NP	5.26	0.00	97.33	92.07
11/14/02	36,200	1,720	940	235	6,190	8,280	NP	5.27	0.00	97.33	92.06
01/29/03	13,000	444	39	<0.4	1,200	8,160	NP	4.50	0.00	97.33	92.83
04/23/03	7,430	130	5.7	<0.2	387	5,830	NP	4.80	0.00	97.33	92.53
07/10/03	16,200	<2.2	<3.2	<3.1	<4.0	3,930	NP	4.55	0.00	97.33	92.78
10/20/03	6,040	672	384	3.4	444	*3,780 / 3,220	NP	4.56	0.00	97.33	92.77
WELL ABANDONED 01/2004											

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-4R											
Screen Interval = 5 to 20 feet						Casing Diameter = 4 inches					
02/03/04							-		-	-	-
04/08/04	37,900	819	424	159	3,190	18,400	NP	4.96	0.00	-	-
07/21/04	14,500	<2.2	<3.2	<3.1	39 J	18,900	NP	6.60	0.00	-	-
10/20/04	66,000	6,390	6,560	672	3,290	13,300	NP	3.38	0.00	-	-
01/19/05	17,600	513	240	855	2,230	3,310	NP	4.32	0.00	-	-
04/20/05	19,200	190	109	452	974	1,870	NP	4.72	0.00	-	-
07/07/05	11,500	233	68	369	875	2,350	-	-	-	-	-
07/20/05	11,300	251	90	154	1,460	1,280	NP	6.08	0.00	-	-
10/19/05	1,310	<0.32	<0.10	<0.24	<0.30	1,160	NP	5.08	0.00	-	-
01/24/06	41,300	391	2,310	871	5,430	388	NP	4.98	0.00	-	-
04/19/06	26,100	399	1,290	254	3,350	732	NP	4.72	0.00	-	-
07/19/06	34,500	38	1,120	251	3,950	115	NP	6.84	0.00	-	-
09/15/06	-	-	-	-	-	-	-	-	-	-	-
10/18/06	37,000	<32	3,910	1,350	5,770	389	NP	5.85	0.00	-	-
01/17/07	211,000	223	22,800	5,670	33,800	<126	NP	6.62	0.00	30.23	23.61
04/18/07	13,000	52	2,300	97 J	5,140	102	NP	7.02	0.00	30.23	23.21
07/18/07	2,510	88	1.7 J	<0.21	107	124	NP	5.36	0.00	30.23	24.87
10/17/07	580	<0.18	24	3.9 J	81	120	NP	4.72	0.00	30.23	25.51
01/16/08	2,040	14	5.6	33	97	107	NP	4.34	0.00	30.23	25.89
04/22/08	1,310	24	329	111	582	<1.9	NP	7.00	0.00	30.23	23.23
07/16/08	33,400	236	2,030	1,030	6,990	6.6	NP	5.05	0.00	30.23	25.18
10/15/08	1,800	61	2.4 J	<0.21	23	130	NP	4.35	0.00	30.23	25.88
01/21/09	750	15	170	38	221	109	NP	4.35	0.00	30.23	25.88
04/15/09	27,100	197	2,300	834	4,810	<19.0	NP	4.35	0.00	30.23	25.88
10/21/09	5,240	161	712	145	1,000	<1.9	NP	3.40	0.00	30.23	26.83
04/21/10	2,480	22	<1.2	17 J	723	27	NP	4.52	0.00	30.23	25.71
10/20/10	20,300	351	3,600	483	2,780	<3.8	NP	4.32	0.00	30.23	25.91
MONITORING WELL #MW-5											
Screen Interval = 4 to 14 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	5.32	0.00	98.85	93.53
04/13/92	-	-	-	-	-	-	NP	4.82	0.00	98.85	94.03
10/0/92	-	-	-	-	-	-	NP	8.78	0.00	98.85	90.07
01/06/93	-	-	-	-	-	-	NP	3.46	0.00	98.85	95.39
04/26/93	-	-	-	-	-	-	NP	4.66	0.00	98.85	94.19
01/04/94	-	-	-	-	-	-	NP	6.36	0.00	98.85	92.49
04/05/94	-	-	-	-	-	-	NP	5.94	0.00	98.85	92.91
07/12/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	-	-	98.85	-
10/09/95	440	31	11	19	84	-	-	-	-	98.85	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	-	-	-	98.85	-
04/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	NP	6.63	0.00	98.85	92.22
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	-	NP	5.22	0.00	98.85	93.63
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.62	0.00	98.85	92.23
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.12	0.00	98.85	92.73
04/21/97	73	2.5	0.34	0.74	3.8	21	NP	5.17	0.00	98.85	93.68
07/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.64	0.00	98.85	92.21
10/07/97	130	<0.3	<0.3	<0.3	<0.5	-	NP	6.67	0.00	98.85	92.18
01/19/98	85	<0.3	<0.3	<0.3	<0.5	-	NP	1.55	0.00	98.85	90.65
04/23/98	220	0.39	<0.3	<0.3	<0.5	350	NP	8.10	0.00	98.85	97.30
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.30	0.00	98.85	90.75
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	7.65	0.00	98.85	91.20

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/21/99	<50	<0.3	<0.3	<0.3	<0.5	*6.7 / <5.0	NP	6.15	0.00	98.85	92.70
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	1.60	0.00	98.85	97.25
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.13	0.00	98.85	92.72
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.61	0.00	98.85	92.24
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.14	0.00	98.85	92.71
04/05/00	<50	0.5	<0.25	<0.25	<0.5	*5.4 / <5.0	NP	4.58	0.00	98.85	94.27
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	4.59	0.00	98.85	94.26
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	6.28	0.00	98.85	94.26
01/17/01	<50	<0.18	<0.14	<0.18	1.0	*5.0 / 4.8	NP	4.58	0.00	98.85	92.57
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.58	0.00	98.85	94.27
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	6.12	0.00	98.85	94.27
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.58	0.00	98.85	92.73
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.48	0.00	98.85	94.27
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.58	0.00	98.85	94.37
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	6.10	0.00	98.85	94.27
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	9.0	NP	6.11	0.00	98.85	92.75
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	7.1	NP	4.55	0.00	98.85	92.74
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	7.9	NP	3.03	0.00	98.85	94.30
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	7.4	NP	5.25	0.00	98.85	95.82
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	*9.11 / 9.2	NP	5.25	0.00	98.85	93.60
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	*8.2 / 4.1	NP	3.03	0.00	98.85	95.82
04/08/04	797	<0.22	<0.32	<0.31	<0.4	635	NP	4.35	0.00	98.85	94.50
07/21/04	548	<0.22	<0.32	<0.31	<0.4	788	NP	5.56	0.00	98.85	93.29
10/20/04	901	<0.22	<0.32	<0.31	<0.4	734	NP	4.15	0.00	98.85	94.70
01/19/05	350	<0.22	<0.32	<0.31	<0.4	860	NP	4.57	0.00	98.85	94.28
04/20/05	718	<0.22	<0.32	<0.31	<0.4	848	NP	6.10	0.00	98.85	92.75
07/20/05	255	<0.32	<0.10	<0.24	<0.30	274	NP	5.76	0.00	98.85	93.09
10/19/05	225	<0.32	<0.10	<0.24	<0.30	300	NP	6.10	0.00	98.85	92.75
01/24/06	681	<0.32	<0.10	<0.24	<0.30	334	NP	4.34	0.00	98.85	94.51
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.58	0.00	98.85	94.27
07/19/06	3,500	11	584	52	208	<0.63	NP	5.56	0.00	98.85	93.29
09/15/06	<5.6	<0.32	<0.10	<0.24	<0.30	1.8	NP	5.81	0.00	98.85	93.04
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.08	0.00	98.85	92.77
01/17/07	162	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.09	0.00	32.30	26.21
04/18/07	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	6.09	0.00	32.30	26.21
07/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.52	0.00	32.30	25.78
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.55	0.00	32.30	27.75
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.56	0.00	32.30	27.74
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.11	0.00	32.30	26.19
07/16/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.08	0.00	32.30	26.22
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.53	0.00	32.30	27.77
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.60	0.00	32.30	27.70
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.60	0.00	32.30	27.70
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.17	0.00	32.30	28.13
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.06	0.00	32.30	28.24
10/20/10	<6.6	<0.18	1.3 J	<0.21	2.0 J	1.2	NP	4.59	0.00	32.30	27.71

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-6											
Screen Interval = 4 to 14 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	6.30	0.00	99.67	93.37
04/13/92	-	-	-	-	-	-	NP	5.47	0.00	99.67	94.20
10/05/92	-	-	-	-	-	-	NP	9.85	0.00	99.67	89.82
01/06/93	-	-	-	-	-	-	NP	4.16	0.00	99.67	95.51
04/26/93	-	-	-	-	-	-	NP	5.75	0.00	99.67	93.92
01/14/94	-	-	-	-	-	-	NP	7.20	0.00	99.67	92.47
04/05/94	-	-	-	-	-	-	NP	6.76	0.00	99.67	92.91
07/10/95	<100	<0.5	0.9	<0.5	1.1	-	-	-	-	99.67	-
10/09/95	250	4.8	5.6	11	58	-	-	-	-	99.67	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	NP	6.16	0.00	99.67	93.51
04/08/96	230	4.6	4.7	3.2	33	-	NP	4.60	0.00	99.67	95.07
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	7.30	0.00	99.67	92.37
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	5.82	0.00	99.67	93.85
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	4.40	0.00	99.67	95.27
04/21/97	130	<0.3	<0.3	<0.3	<0.5	<20	NP	7.10	0.00	99.67	92.57
07/14/97	<50	<0.3	<0.3	<0.3	0.70	<20	NP	7.35	0.00	99.67	92.32
10/07/97	<50	0.78	0.3	<0.3	<0.5	-	NP	6.98	0.00	99.67	92.69
01/23/98	<50	<0.3	<0.3	<0.3	<0.5	-	NP	2.35	0.00	99.67	97.32
04/23/98	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.90	0.00	99.67	92.77
07/20/98	<50	<0.3	1.1	<0.3	1.4	<5.0	NP	5.45	0.00	99.67	94.22
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	4.95	0.00	99.67	94.72
01/21/99	<50	0.35	0.62	<0.3	<0.5	<5.0	NP	3.90	0.00	99.67	95.77
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	2.35	0.00	99.67	97.32
07/26/99	1,000	<0.3	<0.3	<0.3	<0.5	*2,300 / 3,900	NP	3.93	0.00	99.67	95.74
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.15	0.00	99.67	93.52
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*42 / 41	NP	5.84	0.00	99.67	93.83
04/05/00	4,600	338	2.8	1.2	55.2	*282 / 230	NP	3.89	0.00	99.67	95.78
07/19/00	60	1.0	2.0	<0.3	<0.6	*87 / 76	NP	3.07	0.00	99.67	96.60
10/18/00	-	-	-	-	-	-	-	-	-	99.67	-
01/17/01	103	<0.18	2.0	<0.18	3.0	*78 / 106	NP	3.87	0.00	99.67	95.80
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.40	0.00	99.67	94.27
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.40	0.00	99.67	94.27
11/14/02	140	3.2	<0.18	5.2	<0.4	111	NP	5.42	0.00	99.67	94.25
01/29/03	694 J	<0.04	<0.02	<0.02	<0.06	630	NP	3.88	0.00	99.67	95.79
04/23/03	1,550	<0.04	<0.02	<0.02	<0.06	578	NP	3.86	0.00	99.67	95.81
07/10/03	1,670	<0.22	<0.32	<0.31	<0.4	509	NP	5.31	0.00	99.67	94.36
10/20/03	1,320	<0.04	<0.02	<0.02	<0.06	*656 / 662	NP	5.30	0.00	99.67	94.37
01/14/04	272	<0.04	<0.02	<0.02	<0.06	*304 / 180	NP	3.82	0.00	99.67	95.85
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.18	0.00	99.67	94.49
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.42	0.00	99.67	93.25
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.62	0.00	99.67	94.05
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.40	0.00	99.67	94.27
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.41	0.00	99.67	94.26
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.07	0.00	99.67	95.60
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	3.86	0.00	99.67	95.81
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.20	0.00	99.67	94.47
04/19/06	78	<0.32	<0.10	<0.24	<0.30	201	NP	3.87	0.00	99.67	95.80

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.54	0.00	99.67	93.13
09/15/06	-	-	-	-	-	-	-	-	-	-	-
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.40	0.00	99.67	94.27
01/17/07	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.40	0.00	99.67	94.27
04/18/07	2,110	29	357	37	914	<0.63	NP	5.40	0.00	33.14	27.74
07/18/07	65	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.40	0.00	33.14	27.74
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	7.38	0.00	33.14	25.76
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	3.86	0.00	33.14	29.28
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.39	0.00	33.14	27.75
07/16/08	<6.6	<0.18	3.0 J	<0.21	2.7 J	<0.19	NP	5.42	0.00	33.14	27.72
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	3.84	0.00	33.14	29.30
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.40	0.00	33.14	27.74
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.42	0.00	33.14	27.72
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.42	0.00	33.14	27.72
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.60	0.00	33.14	27.54
10/20/10	<6.6	<0.18	1.7 J	<0.21	2.5 J	<0.19	NP	4.75	0.00	33.14	28.39
							NP	5.40	0.00	33.14	27.74

MONITORING WELL #MW-7											
Screen Interval = 4 to 14 feet						Casing Diameter = 4 inches					
DATE	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
01/09/92	-	-	-	-	-	-	NP	6.30	0.00	99.02	92.72
04/13/92	-	-	-	-	-	-	NP	6.68	0.00	99.02	92.34
10/05/92	-	-	-	-	-	-	NP	9.60	0.00	99.02	89.42
01/06/93	-	-	-	-	-	-	NP	13.90	0.00	99.02	85.12
04/26/93	-	-	-	-	-	-	NP	5.55	0.00	99.02	93.47
01/04/94	-	-	-	-	-	-	NP	7.58	0.00	99.02	91.44
04/05/94	-	-	-	-	-	-	NP	6.66	0.00	99.02	92.36
10/09/95	27,000	2,400	140	1,700	2,700	-	-	-	-	99.02	-
01/08/96	13,000	800	42	540	860	-	-	-	-	99.02	-
04/08/94	9,100	840	31	690	1,200	-	NP	6.94	0.00	99.02	92.08
07/22/96	11,000	1,700	22	660	700	840	NP	5.48	0.00	99.02	93.54
10/16/96	180	<0.3	<0.3	<0.3	<0.3	270	NP	6.60	0.00	99.02	92.42
01/22/97	130	<0.3	<0.3	<0.3	<0.5	470	NP	6.42	0.00	99.02	92.60
04/21/97	10,000	1,400	27	820	490	1,100	NP	5.70	0.00	99.02	93.32
07/14/97	8,200	660	15	230	270	560	NP	5.30	0.00	99.02	93.72
10/07/97	7,700	480	15	8.4	350	-	NP	7.90	0.00	99.02	91.12
01/19/98	1,400	20	0.74	0.46	4.4	-	NP	7.70	0.00	99.02	91.32
04/23/98	590	<0.3	<0.3	<0.3	<0.5	1,700	NP	6.05	0.00	99.02	92.97
07/20/98	4,900	570	150	300	500	1,500	NP	7.60	0.00	99.02	91.42
10/14/98	1,100	1.0	<0.3	<0.3	5.3	2,000	NP	5.30	0.00	99.02	93.72
01/21/99	570	0.32	<0.3	<0.3	<0.5	*1,500 / 1,700	NP	8.60	0.00	99.02	90.42
04/15/99	770	<0.3	<0.3	<0.3	<0.5	*1,400 / 1,200	NP	6.70	0.00	99.02	92.32
07/26/99	500	<0.3	<0.3	<0.3	<0.5	*710 / 950	NP	6.07	0.00	99.02	92.95
10/13/99	<50	<0.3	0.44	<0.3	0.62	<5.0	NP	7.86	0.00	99.02	91.16
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*5.0 / <5.0	NP	6.44	0.00	99.02	92.09
04/05/00	5,670	415	19	1.7	60.1	*329 / 194	NP	7.86	0.00	99.02	92.58
07/19/00	1,350	14	<3.0	<3.0	10	*237 / 120	NP	7.10	0.00	99.02	91.16
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	*63 / 41.1	NP	5.28	0.00	99.02	91.92
01/17/01	<50	<0.18	<0.14	<0.18	3.0	*57 / 81	NP	5.27	0.00	99.02	93.74
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	66	NP	7.86	0.00	99.02	93.75
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	*9.0 / 3.5	NP	6.30	0.00	99.02	91.16
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	*9.4 / 7.9	NP	8.23	0.00	99.02	92.72
01/30/02	2,590	40	9.0	8.0	6.0	*45 / 22	NP	5.14	0.00	99.02	90.79
							NP	5.14	0.00	99.02	93.88

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/17/02	51	<0.18	<0.14	<0.18	<0.26	*58 / 45	NP	5.53	0.00	99.02	93.49
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	*39 / 33	NP	5.93	0.00	99.02	93.09
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	6.8	NP	5.92	0.00	99.02	93.10
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.51	0.00	99.02	93.51
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.14	0.00	99.02	93.88
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.03	0.00	99.02	93.99
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.01	0.00	99.02	94.01
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	4.38	0.00	99.02	94.64
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.86	0.00	99.02	94.16
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.82	0.00	99.02	92.20
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.71	0.00	99.02	93.31
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.77	0.00	99.02	94.25
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.54	0.00	99.02	93.48
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.80	0.00	99.02	92.22
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.89	0.00	99.02	93.13
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.89	0.00	99.02	94.13
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	2.9	NP	5.13	0.00	99.02	93.89
07/19/06	3,430	58	28 J	<2.4	447	528	NP	6.31	0.00	99.02	92.71
09/15/06	<5.6	<0.32	<0.10	<0.24	<0.30	16	NP	6.72	0.00	99.02	92.30
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.13	0.00	99.02	93.89
01/17/07	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.62	0.00	31.61	24.99
04/18/07	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	5.86	0.00	31.61	25.75
07/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.82	0.00	31.61	24.79
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.87	0.00	31.61	25.74
01/06/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.79	0.00	31.61	26.82
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.84	0.00	31.61	25.77
07/16/08	<6.6	<0.18	2.1 J	<0.21	5.6	<0.19	NP	5.86	0.00	31.61	25.75
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.80	0.00	31.61	26.81
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.80	0.00	31.61	26.81
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.80	0.00	31.61	26.81
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.70	0.00	31.61	25.91
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.15	0.00	31.61	27.46
10/20/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.79	0.00	31.61	26.82

MONITORING WELL #RW-1											
Screen Interval = 5 to 20 feet							Casing Diameter = 4 inches				
01/09/92	-	-	-	-	-	-	NP	14.00	0.00	-	-
04/13/92	-	-	-	-	-	-	NP	14.00	0.00	-	-
10/05/92	-	-	-	-	-	-	NP	15.05	0.00	-	-
01/06/93	-	-	-	-	-	-	NP	5.43	0.00	-	-
04/26/93	-	-	-	-	-	-	NP	13.20	0.00	-	-
01/04/94	-	-	-	-	-	-	NP	14.30	0.00	-	-
04/05/94	-	-	-	-	-	-	NP	14.13	0.00	-	-
01/08/96	-	-	-	-	-	-	NP	14.22	0.00	-	-
04/08/96	-	-	-	-	-	-	NP	14.33	0.00	-	-
07/22/96	8,100	530	84	120	860	-	NP	14.27	0.00	-	-
10/16/96	-	-	-	-	-	-	NP	13.10	0.00	-	-
01/22/97	-	-	-	-	-	-	NP	16.97	0.00	-	-
10/07/97	-	-	-	-	-	-	NP	14.20	0.00	-	-
01/15/98	-	-	-	-	-	-	NP	15.60	0.00	-	-
04/23/98	81,000	0.72	1.4	3.2	5.7	270,000	NP	14.20	0.00	-	-
07/20/98	-	-	-	-	-	-	NP	14.30	0.00	-	-

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/14/98	-	-	-	-	-	-	-	-	-	-	-
01/21/99	-	-	-	-	-	-	-	-	-	-	-
04/15/99	-	-	-	-	-	-	-	-	-	-	-
07/26/99	4,400	<3.0	<3.0	<3.0	<5.0	*6,800 / 9,000	NP	13.10	0.00	-	-
10/13/99	-	-	-	-	-	-	NP	13.83	0.00	-	-
01/20/00	-	-	-	-	-	-	-	-	-	-	-
04/05/00	-	-	-	-	-	-	NP	13.22	0.00	-	-
07/19/00	-	-	-	-	-	-	-	-	-	-	-
10/18/00	-	-	-	-	-	-	NP	13.25	0.00	-	-
01/17/01	-	-	-	-	-	-	NP	11.14	0.00	-	-
04/19/01	-	-	-	-	-	-	NP	11.12	0.00	-	-
07/18/01	-	-	-	-	-	-	-	-	-	-	-
10/10/01	-	-	-	-	-	-	NP	11.20	0.00	-	-
01/30/02	-	-	-	-	-	-	NP	11.20	0.00	-	-
04/17/02	-	-	-	-	-	-	NP	12.30	0.00	-	-
07/31/02	-	-	-	-	-	-	NP	14.30	0.00	-	-
11/14/02	-	-	-	-	-	-	NP	14.21	0.00	-	-
01/29/03	-	-	-	-	-	-	NP	14.13	0.00	-	-
04/23/03	-	-	-	-	-	-	NP	13.12	0.00	-	-
07/10/03	-	-	-	-	-	-	-	No Access	-	-	-
10/20/03	-	-	-	-	-	-	-	No Access	-	-	-
WELL ABANDONED 01/2004											
MONITORING WELL #RW-1R											
Screen Interval = 5 to 20 feet											
02/03/04	-	-	-	-	-	-	-	-	-	-	-
04/08/04	6,740	42	32 J	<3.1	1,160	239	NP	-	-	-	-
07/21/04	118	<0.22	<0.32	<0.31	<0.4	107	NP	4.76	0.00	-	-
10/20/04	29,900	3,850	4,010	381	1,920	103	NP	6.85	0.00	-	-
01/19/05	13,400	272	243	24 J	2,230	2,110	NP	4.28	0.00	-	-
04/20/05	1,220	<0.22	<0.32	<0.31	<0.4	1,580	NP	4.54	0.00	-	-
07/07/05	6,490	410	74	84	620	2,560	-	-	-	-	-
07/20/05	4,900	133	52	<2.4	750	465	NP	-	-	-	-
10/19/05	572	<0.32	<0.10	<0.24	<0.30	417	NP	6.32	0.00	-	-
01/24/06	14,500	192	1,150	342	2,980	432	NP	5.68	0.00	-	-
04/19/06	7,430	94	411	<2.4	1,820	571	NP	4.78	0.00	-	-
07/19/06	5,020	55	17 J	<2.4	457	636	NP	4.94	0.00	-	-
09/15/06	-	-	-	-	-	-	-	7.10	0.00	-	-
10/18/06	41,500	63	4,710	1,510	6,390	343	NP	-	-	-	-
01/17/07	164,000	249	25,300	6,040	35,200	217	NP	6.06	0.00	-	-
04/18/07	13,000	<16	2,230	121 J	5,070	92	NP	6.83	0.00	30.59	23.76
07/18/07	3,930	90	64	291	437	117	NP	7.22	0.00	30.59	23.37
10/17/07	993	<0.18	22	4.7 J	85	108	NP	5.76	0.00	30.59	24.83
01/16/08	1,990	14	5.6	33	99	108	NP	4.93	0.00	30.59	25.66
04/22/08	22,400	330	2,350	517	3,250	15	NP	4.56	0.00	30.59	26.03
07/16/08	5,140	35	315	94	761	3.0	NP	7.23	0.00	30.59	23.36
10/15/08	2,430	71	3.5 J	<0.21	35	179	NP	5.65	0.00	30.59	24.94
01/21/09	75	<0.18	<0.24	<0.21	<0.45	128	NP	4.55	0.00	30.59	26.04
04/15/09	2,740	33	395	89	514	61	NP	4.57	0.00	30.59	26.02
10/21/09	16,400	124	920	358	2,250	5.1	NP	4.56	0.00	30.59	26.03
04/21/10	1,570	18	<1.2	<1.05	276	24	NP	4.30	0.00	30.59	26.29
10/20/10	49,000	425	7,260	2,700	15,900	<19.0	NP	3.92	0.00	30.59	26.67
								4.55	0.00	30.59	26.04

**TABLE 2A
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
Grab Groundwater Sample from Soil Boring SB-4											
11/30/10	<6.6	<0.18	<0.24	<0.21	<0.45	12	-	-	-	-	-

NOTE: * MTBE 8020 / 8260
 ND = Nondetectable
 NP = No free hydrocarbon product
 " - " = Not analyzed / Not available

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020.
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020 or 8260
 On 7/21/04, 4/08/04, 7/10/03 & 11/14/02, BTEX and MTBE done by 8260B

**TABLE 2B
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
MONITORING WELL # MW-1						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	12	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<2.9	<1.7	<2.8	<100	-	-
09/15/06	<0.29	<0.17	<0.28	<10	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL #MW-2						
11/14/02	<2.0	<1.2	111	341	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<2.9	<1.7	59	449	-	-
10/20/03	-	-	-	-	-	-
WELL ABANDONED 01/2004						
MONITORING WELL #MW-2R						
02/03/04	<0.29	<0.17	76	1,610	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	37	1,130	-	-
07/20/05	<0.29	<0.17	95	151	<20	<20
10/19/05	<0.29	<0.17	13	33	<20	<20
01/24/06	<0.29	<0.17	<0.28	42	<20	<20
04/19/06	<5.8	<3.4	<5.6	<200	<20	<20
07/19/06	<2.9	<1.7	68	113	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<2.9	<1.7	<2.8	174.0	-	-
01/17/07	<58	<34	<52	<2000	-	-
04/18/07	<0.29	<0.17	5.2	122.0	-	-
07/18/07	<0.20	<0.23	<0.19	39	-	-
10/17/07	<0.20	<0.23	11	119	-	-
01/16/08	<0.20	<0.23	2.9	<10	-	-
04/22/08	<20	<23	<19	<1,000	-	-
07/16/08	<0.20	<0.23	<0.19	9.5 J	-	-
10/15/08	<0.20	<0.23	25	151	-	-
01/21/09	<0.20	<0.23	1.6	<5.2	-	-
04/15/09	<2.0	<2.3	<1.9	<52.0	-	-

**TABLE 2B
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
10/21/09	<2.0	<2.3	<1.9	<52.0	9.66	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	1.4	21	-	-
MONITORING WELL # MW-3						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<2.9	<1.7	173	128	-	-
09/15/06	<0.29	<0.17	38	<10	-	-
10/18/06	<0.29	<0.17	2.8	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	18	-	-
07/18/07	<0.20	<0.23	<0.19	11	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	10	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	12	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-4						
11/14/02	<2.0	<1.2	106	281	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<2.9	<1.7	35	<100	-	-
10/20/03	-	-	-	-	-	-
WELL ABANDONED 01/2004						
MONITORING WELL # MW-4R						
02/03/04	<0.29	<0.17	209	1,350	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	57	167	-	-
07/20/05	<0.29	<0.17	<0.28	369	<20	<20
10/19/05	<0.29	<0.17	39	335	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<2.9	<1.7	36	231	<20	<20
07/19/06	<2.9	<1.7	<2.8	<100	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<29	<17	<28	<1000	-	-
01/17/07	<58	<34	<52	<2000	-	-
04/18/07	<14.5	<8.5	<14	<500	-	-
07/18/07	<0.20	<0.23	<0.19	20	-	-
10/17/07	<0.20	<0.23	3.9	89	-	-
01/16/08	<0.20	<0.23	<0.19	25	-	-

**TABLE 2B
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
04/22/08	<2.0	<2.3	<1.9	<100	-	-
07/16/08	<0.20	<0.23	<0.19	18	-	-
10/15/08	<0.20	<0.23	<0.19	23	-	-
01/21/09	<0.20	<0.23	2.6	51	-	-
04/15/09	<20	<23	<19	<520	-	-
10/21/09	<2.0	<2.3	<1.9	<52.0	25.4	-
04/21/10	<1.0	<1.15	<0.95	<26.0	-	-
10/20/10	<4.0	<4.6	<3.8	<104.0	-	-

MONITORING WELL # MW-5

11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	1.4	<10	<20	<20
01/24/06	<0.29	<0.17	1.2	19	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<0.29	<0.17	<0.28	<10	-	-
09/15/06	<0.29	<0.17	<0.28	<10	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-

MONITORING WELL # MW-6

11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	2.1	38	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	13	<20	<20
07/19/06	<0.29	<0.17	<0.28	<10	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-

**TABLE 2B
 ADDITIONAL GROUNDWATER DATA
 THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
<6.6	<0.20	<0.23	<0.19	<5.2	-	-

MONITORING WELL # MW-7

11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<2.9	<1.7	25	216	-	-
09/15/06	<0.29	<0.17	<0.28	<10	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/08/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-

MONITORING WELL # RW-1R

02/03/04	<0.29	<0.17	53	1,370	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	71	1,740	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	9.6	65	<20	<20
01/24/06	<2.9	<1.7	<2.8	156	<20	<20
04/19/06	<2.9	<1.7	11	206	<20	<20
07/19/06	<2.9	<1.7	<2.8	217	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<2.9	<1.7	<2.8	209	-	-
01/17/07	<58	<34	<52	<2000	-	-
04/18/07	<14.5	<8.5	<14	<500	-	-
07/18/07	<2.0	<2.3	<1.9	<100	-	-
10/17/07	<0.20	<0.23	<0.19	81	-	-
01/16/08	<0.20	<0.23	<0.19	31	-	-
04/22/08	<2.0	<2.3	<1.9	<100	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	31	-	-
01/21/09	<0.20	<0.23	1.6	14	-	-

**TABLE 2B
 ADDITIONAL GROUNDWATER DATA
 THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
04/15/09	<2.0	<2.3	<1.9	<52.0	-	-
10/21/09	<1.0	<1.15	<0.95	<26.0	10.6	-
04/21/10	<1.0	<1.15	<0.95	<26.0	-	-
10/20/10	<20.0	<23.0	<19.0	<520.0	-	-
Grab Groundwater Sample From Soil Boring SB-4						
11/30/10	<0.20	<0.23	<0.19	<0.0052	-	-
NOTE: DIPE, ETBE, TAME, TBA analyzed by EPA Method 8260B						

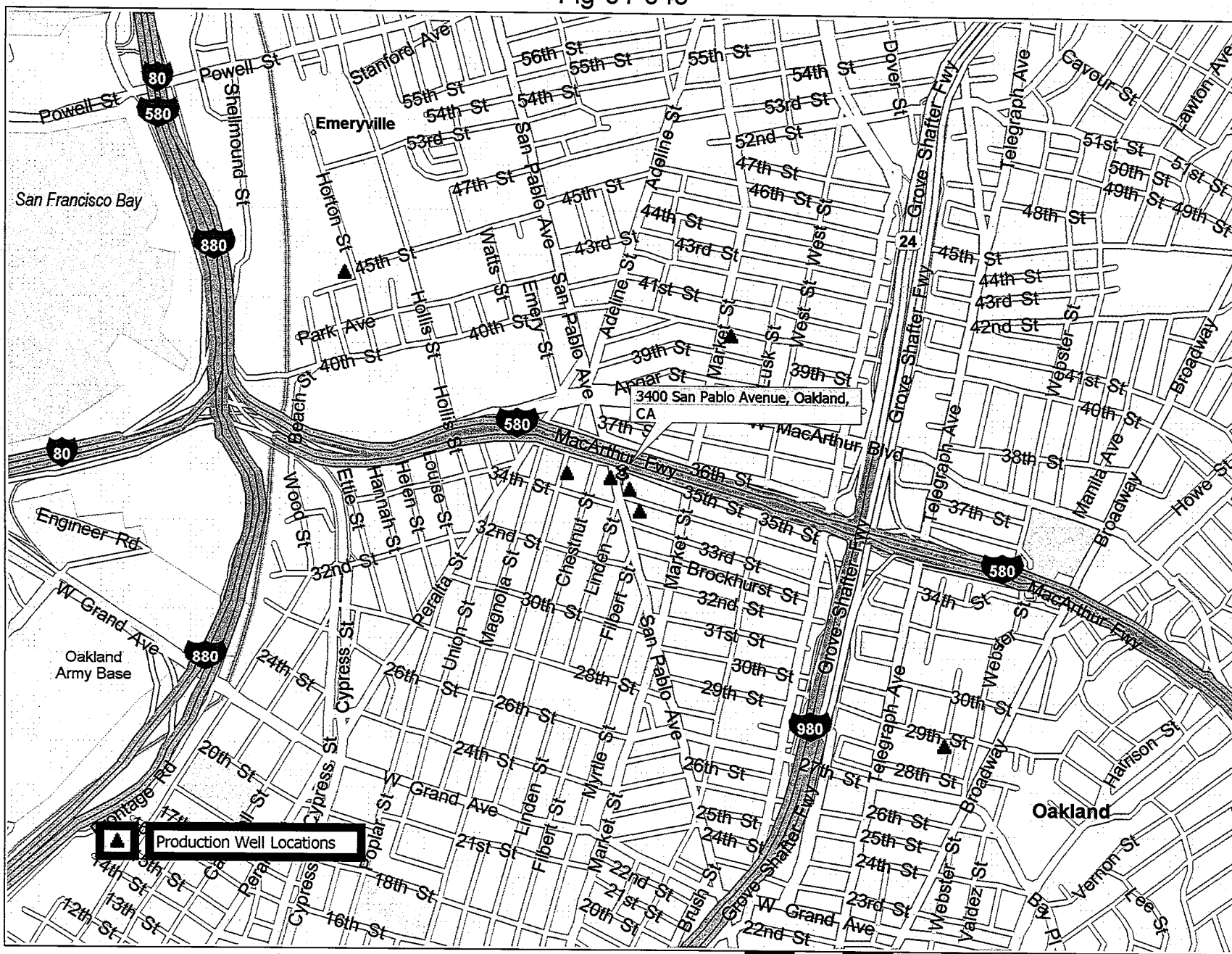
TABLE 3
WELL COMPLETION DETAILS
 Thrifty Oil Station #049 - Oakland, CA
 GHC - 1665

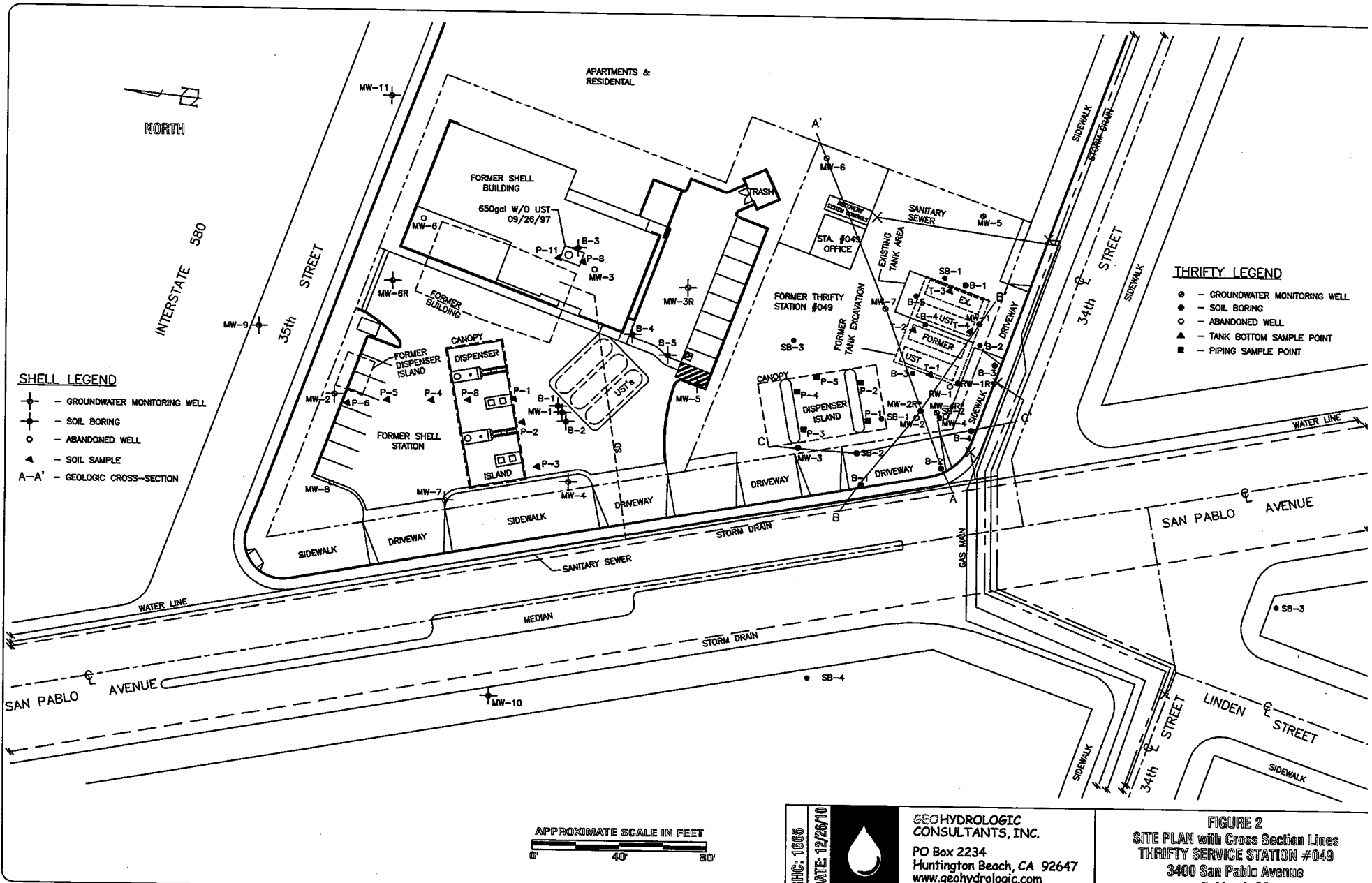
Well ID	Date Constructed	Total Depth	Casing Diameter	Screen Interval	TOC Elevation *
MW-1	07/31/86	25'	2-inch	5-25'	98.03
MW-2	07/31/86	25'	2-inch	5-25'	abandoned
MW-3	07/31/86	25'	2-inch	5-25'	97.69
MW-4	11/14/86	14'	4-inch	4-14'	abandoned
MW-5	11/14/86	14'	2-inch	4-14'	93.53
MW-6	11/14/86	14'	2-inch	4-14'	93.37
MW-7	11/14/86	14'	4-inch	4-14'	92.72
RW-1	1992	20'	4-inch	5-20'	abandoned
RW-1R	01/15/04	20'	4-inch	5-20'	-
MW-2R	01/15/04	20'	2-inch	5-20'	-
MW-4R	01/15/04	20'	4-inch	5-20'	-

NOTES: * Feet above mean sea level
 -- = Not surveyed

FIGURES

Fig-01-049





SHELL LEGEND

- ⊕ - GROUNDWATER MONITORING WELL
- ⊙ - SOIL BORING
- - ABANDONED WELL
- ▲ - SOIL SAMPLE
- A-A' - GEOLOGIC CROSS-SECTION

THRIFTY LEGEND

- ⊕ - GROUNDWATER MONITORING WELL
- ⊙ - SOIL BORING
- - ABANDONED WELL
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT



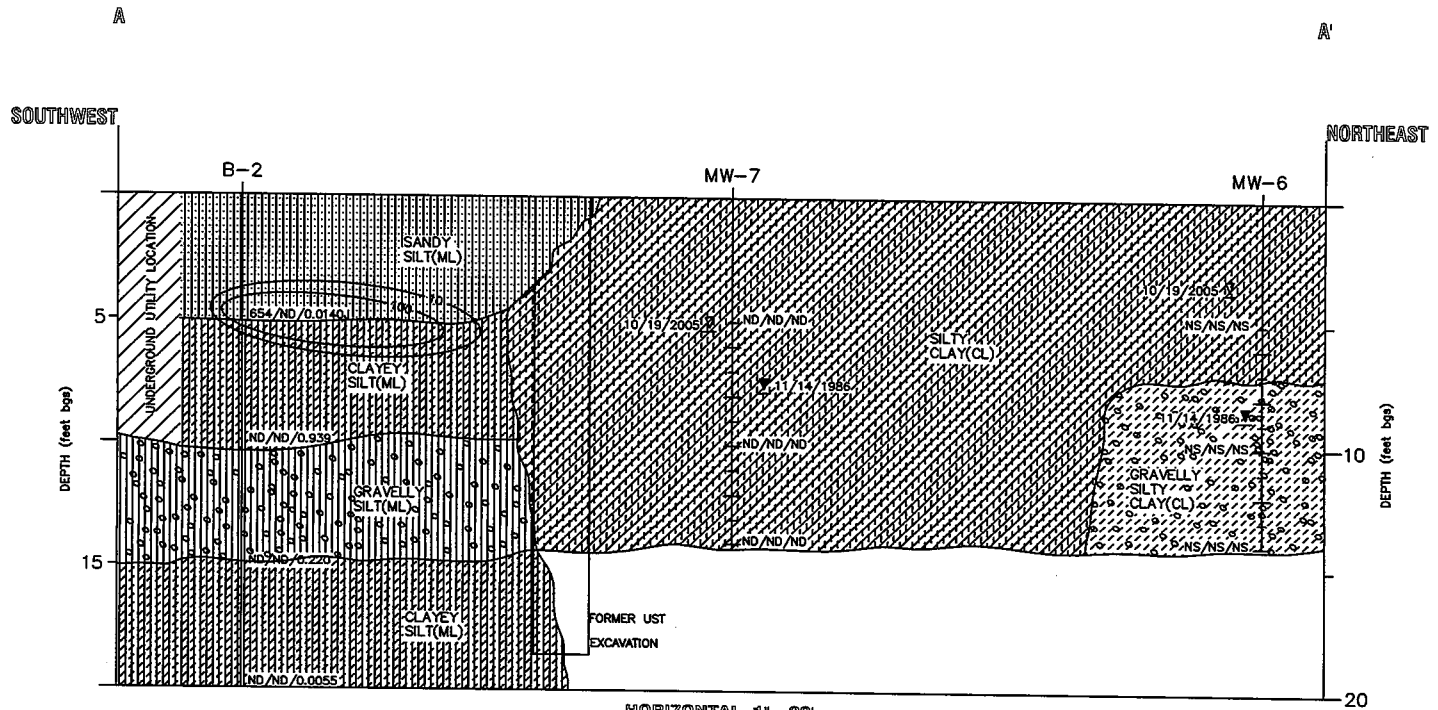
SBC: 1065
DATE: 12/26/10



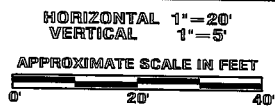
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FIGURE 2
SITE PLAN with Cross Section Lines
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

VIEW NORTHWEST



- LEGEND**
- ▼ - RECENT ENCOUNTERED
 - ▽ - MOST RECENT WATER LEVEL (DATE)
 - ND/ND/ND - TPH₉/BENZENE/MTBE CONCENTRATIONS in mg/Kg
 - ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
 - NS - NOT SAMPLED
 - 100 — - TPH₉ IN SOIL CONTOUR IN mg/Kg

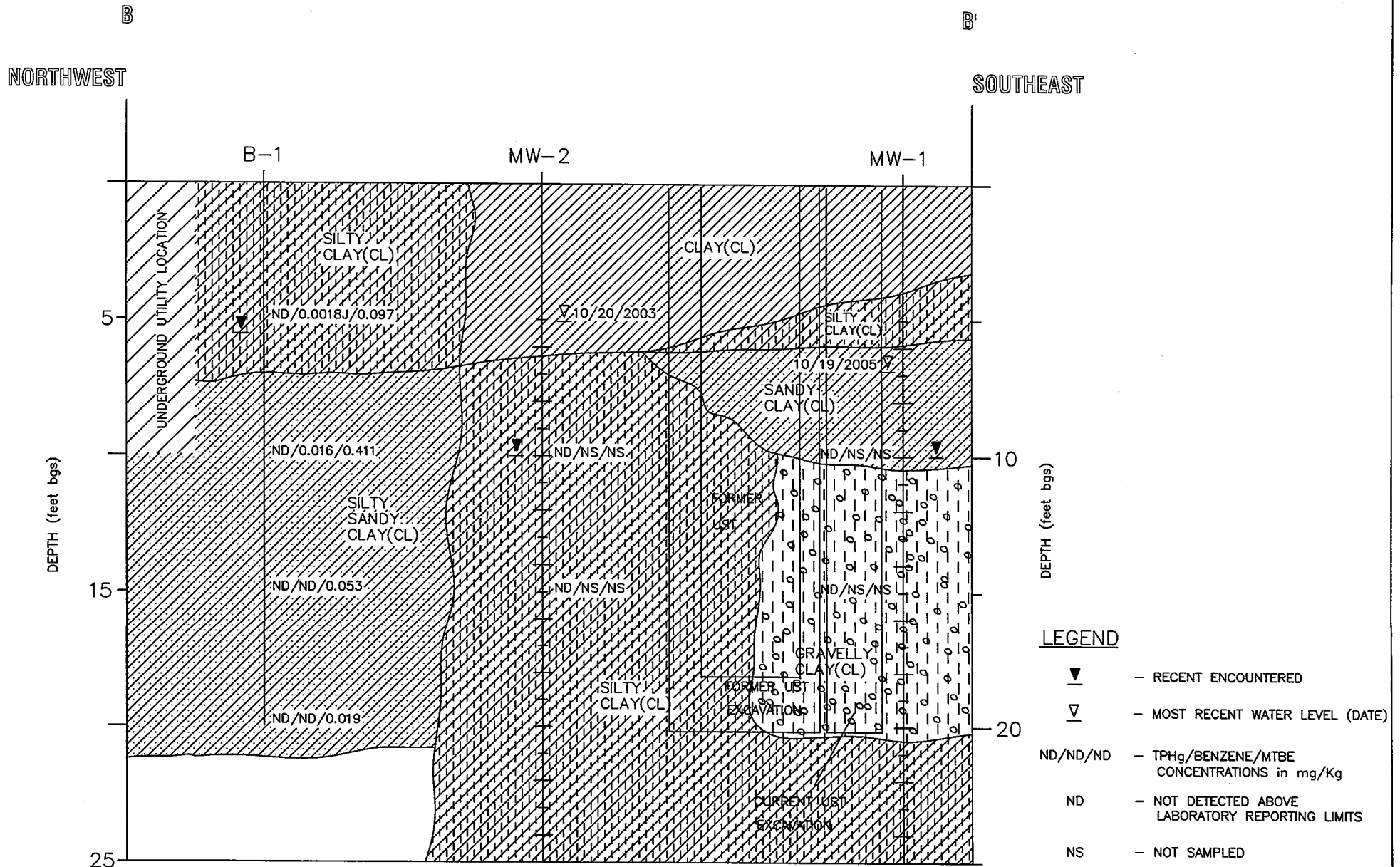


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FIGURE 3A
GEOLOGIC CROSS-SECTION A-A'
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

VIEW NORTHEAST



HORIZONTAL 1"=20'
VERTICAL 1"=5'

APPROXIMATE SCALE IN FEET



GHC: 1665

DATE: 12/26/10

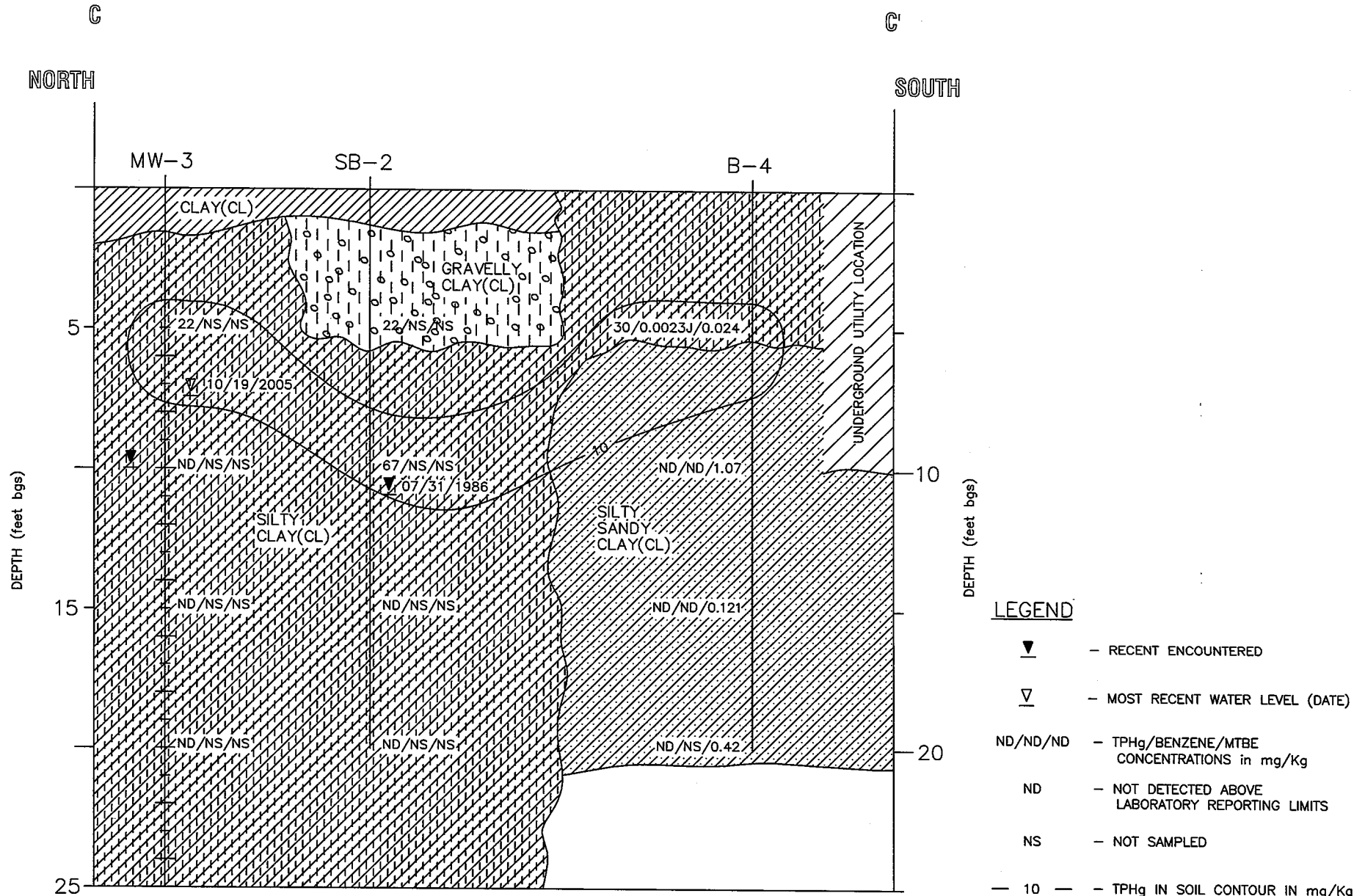


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FIGURE 3B
GEOLOGIC CROSS-SECTION B-B'
THRIFTY SERVICE STATION #049
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Oakland, CA

VIEW EAST

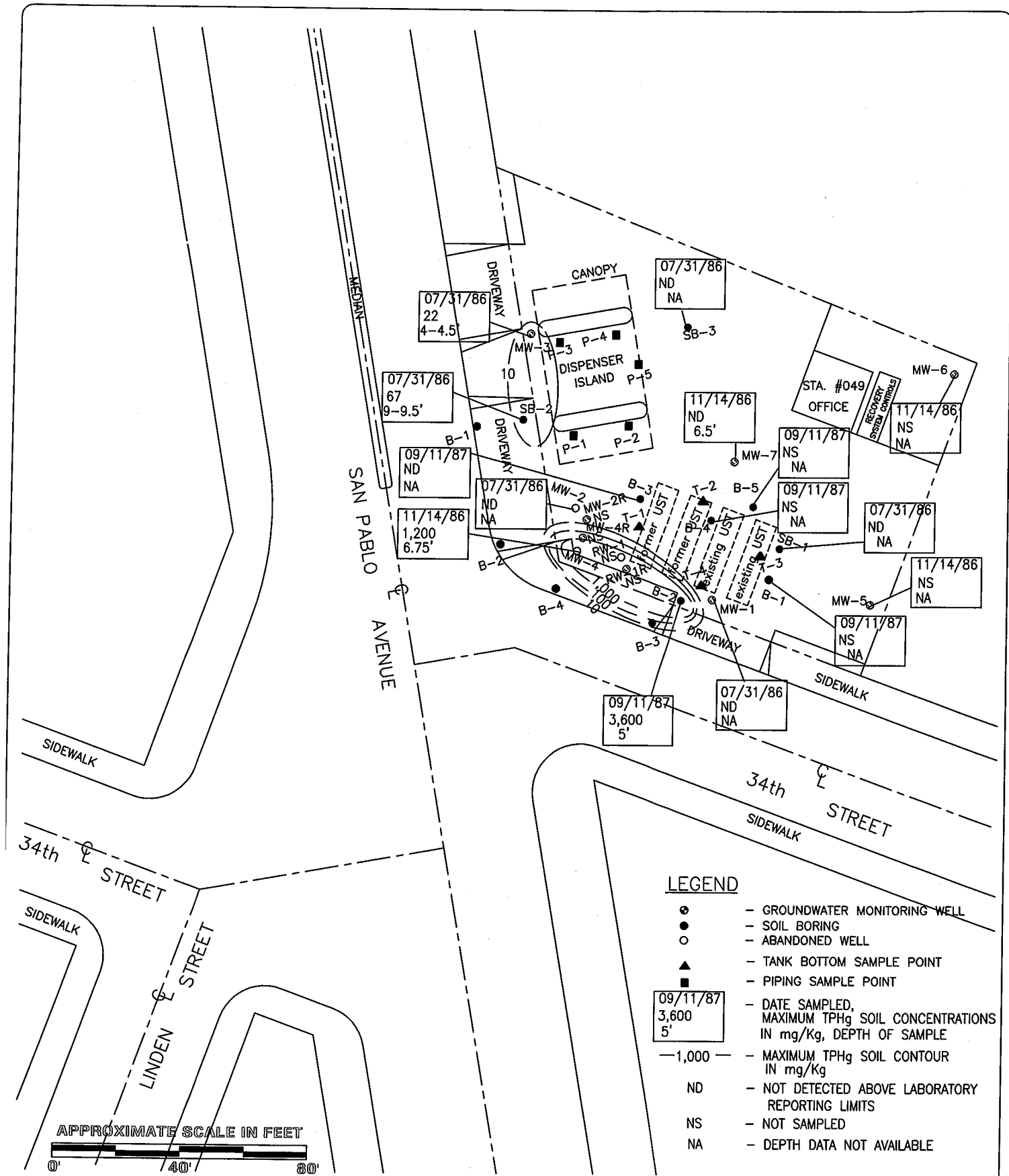


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FIGURE 3C
GEOLOGIC CROSS-SECTION C-C'
THRIFTY SERVICE STATION #049
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NORTH

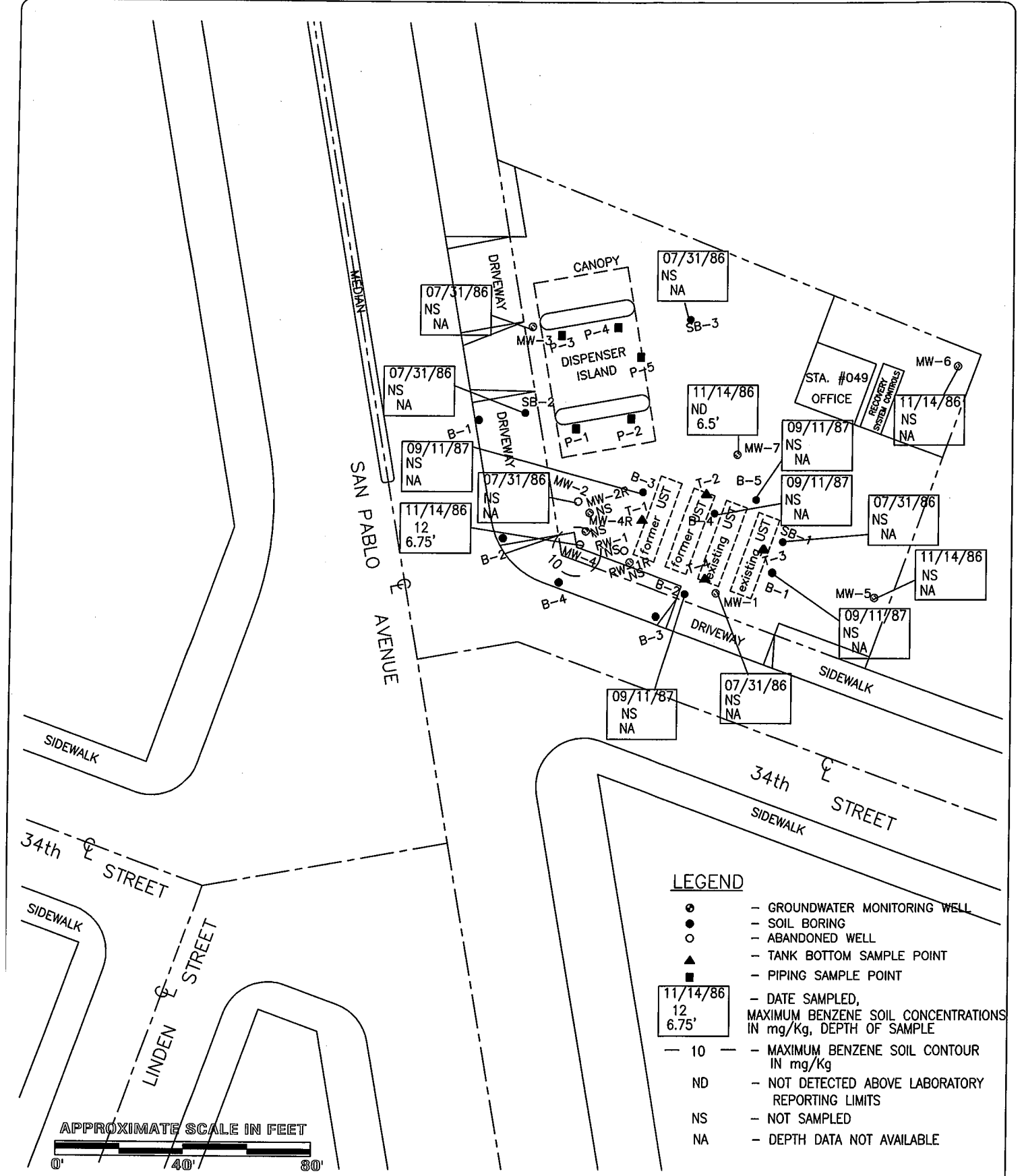


GHC: 1665

DATE: 12/26/10

FIGURE 4A
DISTRIBUTION OF TPHg IN SOIL
(Pre-Remediation, 0-10 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

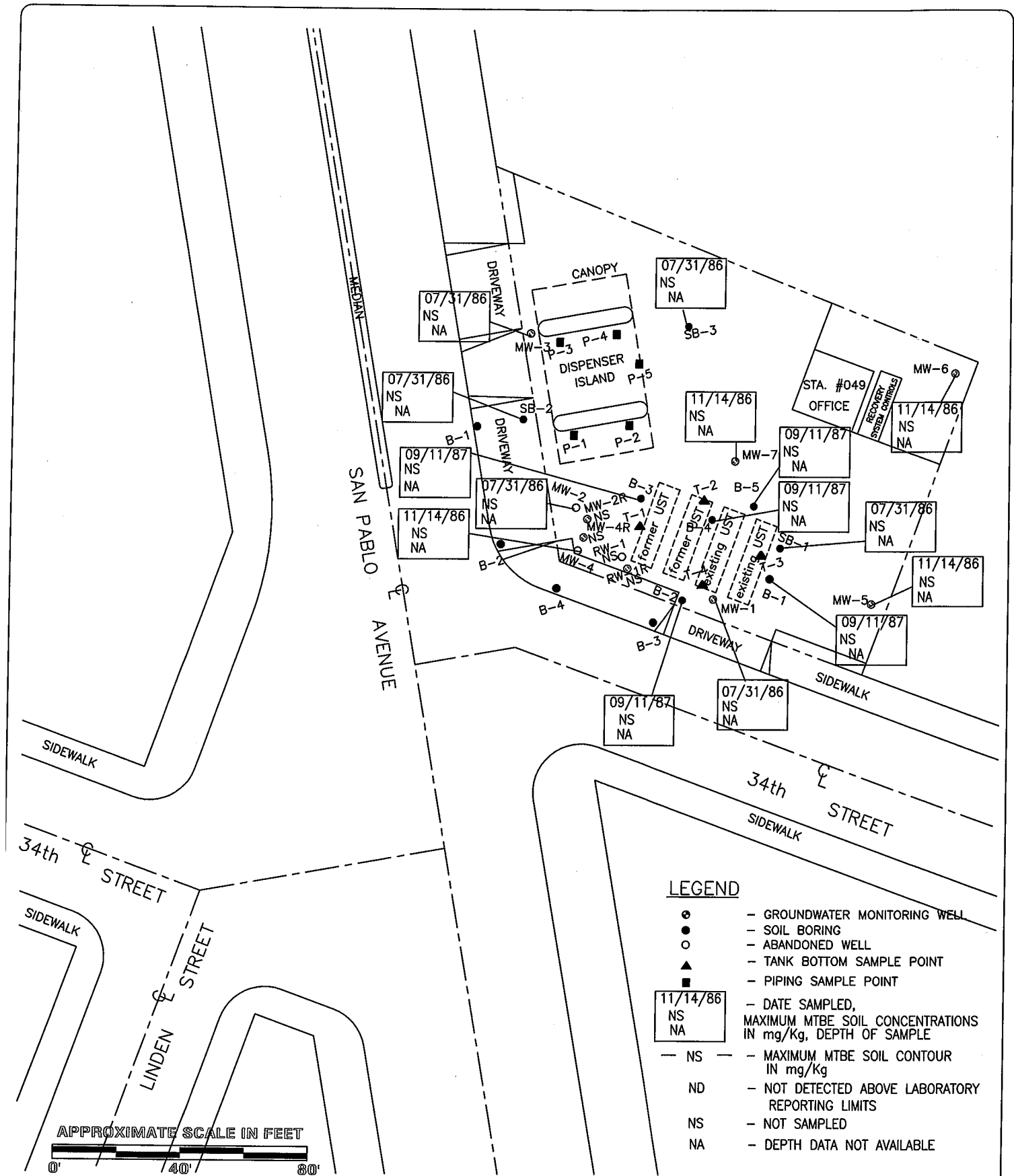




- LEGEND**
- ⊙ - GROUNDWATER MONITORING WELL
 - - SOIL BORING
 - - ABANDONED WELL
 - ▲ - TANK BOTTOM SAMPLE POINT
 - - PIPING SAMPLE POINT
- 11/14/86
12
6.75'
 - DATE SAMPLED,
 MAXIMUM BENZENE SOIL CONCENTRATIONS
 IN mg/Kg, DEPTH OF SAMPLE
- 10 - - MAXIMUM BENZENE SOIL CONTOUR
IN mg/Kg
 - ND - NOT DETECTED ABOVE LABORATORY
REPORTING LIMITS
 - NS - NOT SAMPLED
 - NA - DEPTH DATA NOT AVAILABLE



	GEOHYDROLOGIC CONSULTANTS, INC. PO Box 2234 Huntington Beach, CA 92647 www.geohydrologic.com	NORTH 	GHC: 1665 DATE: 12/26/10	FIGURE 4B DISTRIBUTION OF BENZENE IN SOIL (Pre-Remediation, 0-10 Feet Below Ground Surface) THRIFTY SERVICE STATION #049 3400 San Pablo Avenue Oakland, CA



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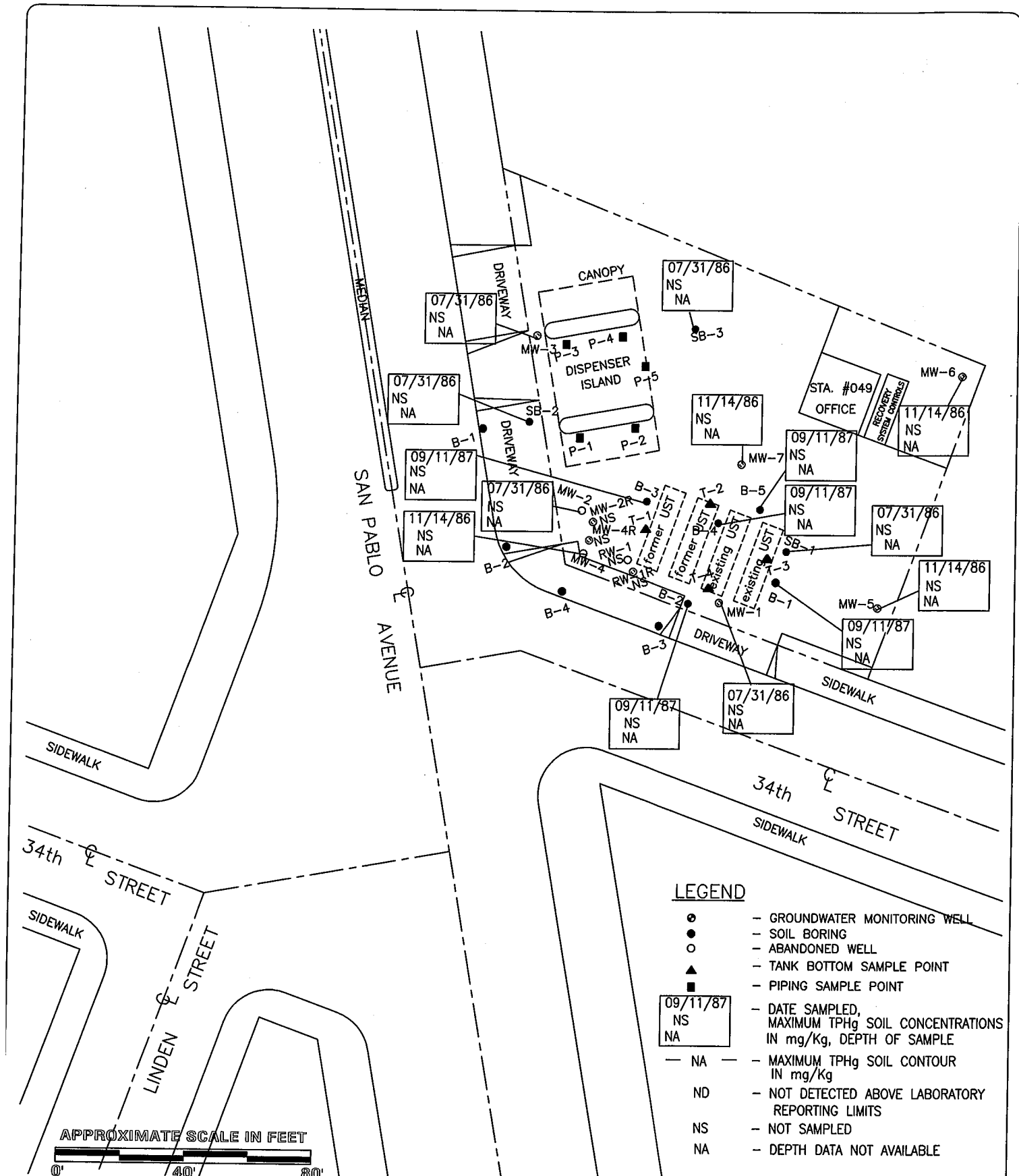
NORTH



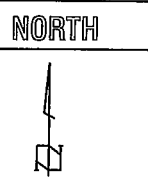
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FIGURE 4C
DISTRIBUTION OF MTBE IN SOIL
(Pre-Remediation, 0-10 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

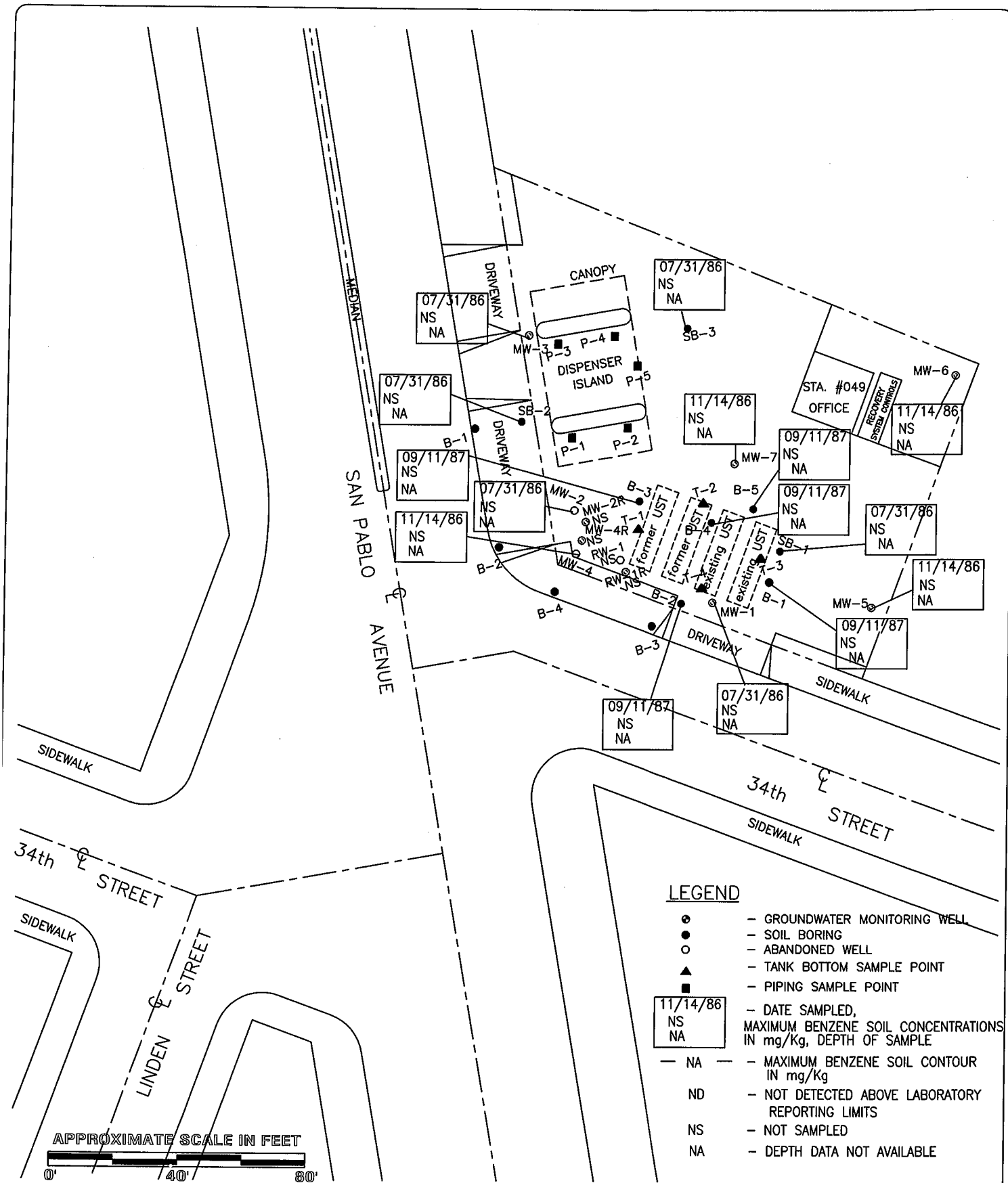


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FIGURE 4D
DISTRIBUTION OF TPHg IN SOIL
 (Pre-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
 3400 San Pablo Avenue
 Oakland, CA



LEGEND

- — GROUNDWATER MONITORING WELL
- — SOIL BORING
- — ABANDONED WELL
- ▲ — TANK BOTTOM SAMPLE POINT
- — PIPING SAMPLE POINT
- 11/14/86
NS
NA — DATE SAMPLED,
MAXIMUM BENZENE SOIL CONCENTRATIONS
IN mg/Kg, DEPTH OF SAMPLE
- NA — MAXIMUM BENZENE SOIL CONTOUR
IN mg/Kg
- ND — NOT DETECTED ABOVE LABORATORY
REPORTING LIMITS
- NS — NOT SAMPLED
- NA — DEPTH DATA NOT AVAILABLE

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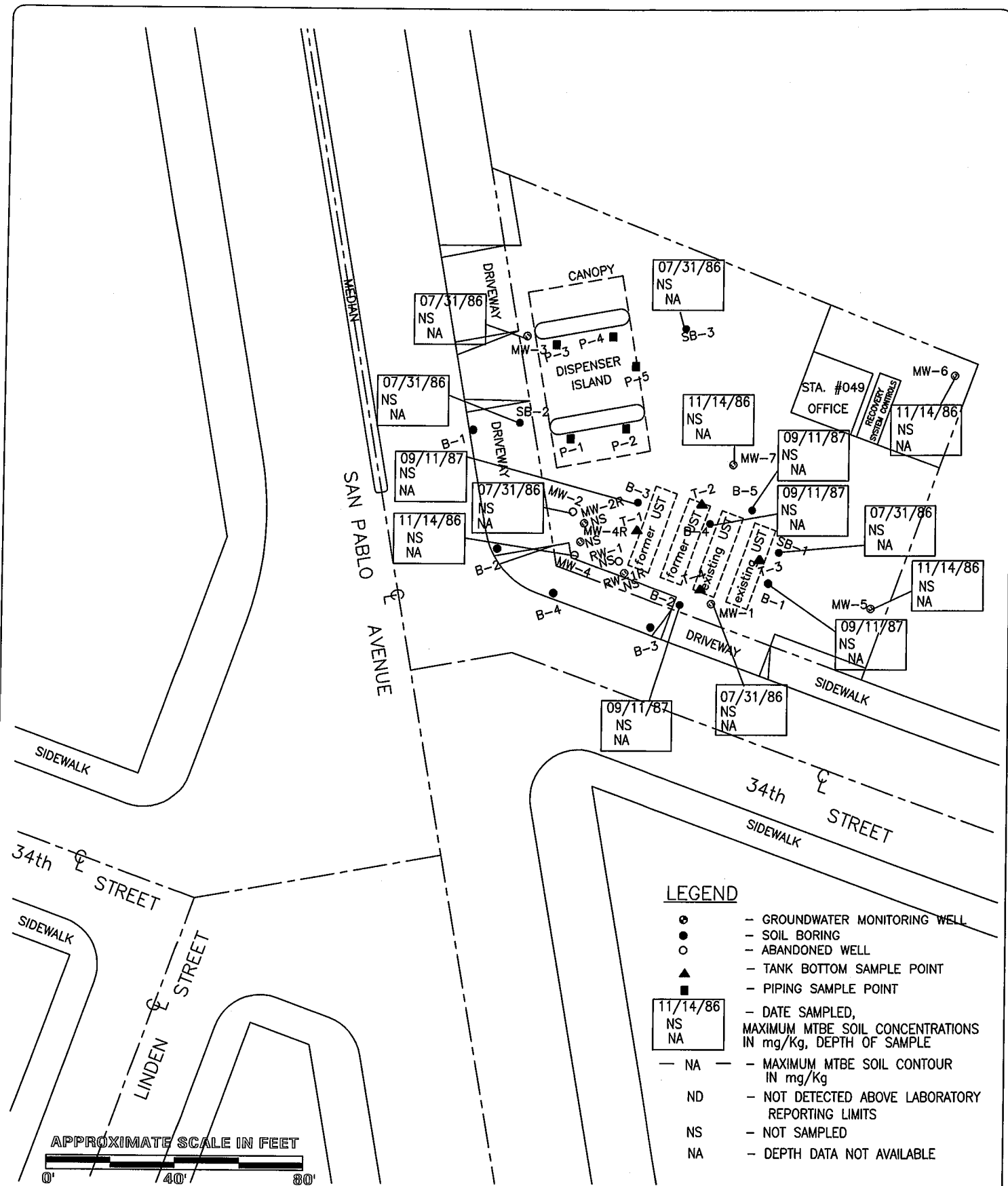


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FIGURE 4E
DISTRIBUTION OF BENZENE IN SOIL
(Pre-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA





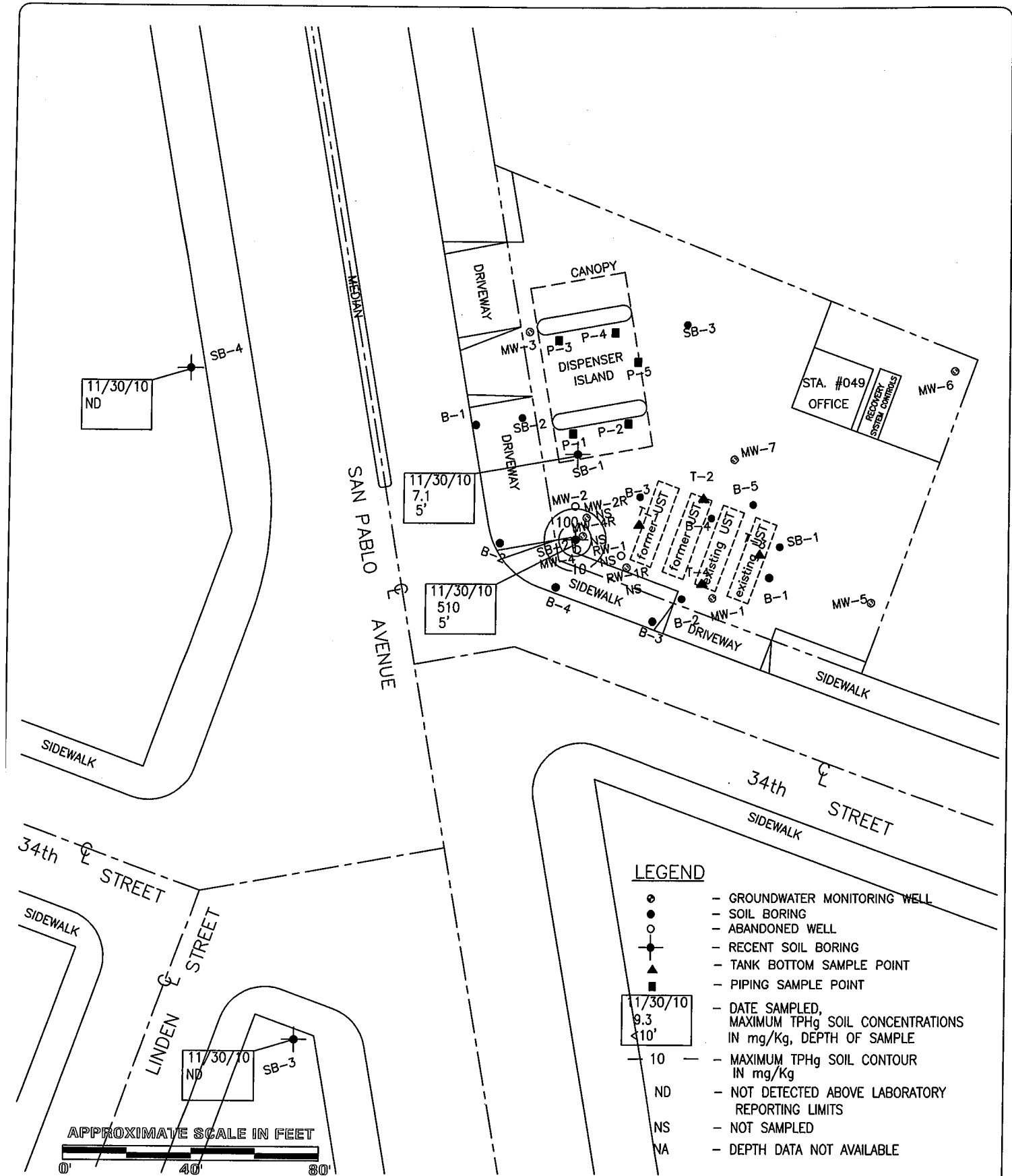
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FIGURE 4F
DISTRIBUTION OF MTBE IN SOIL
 (Pre-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
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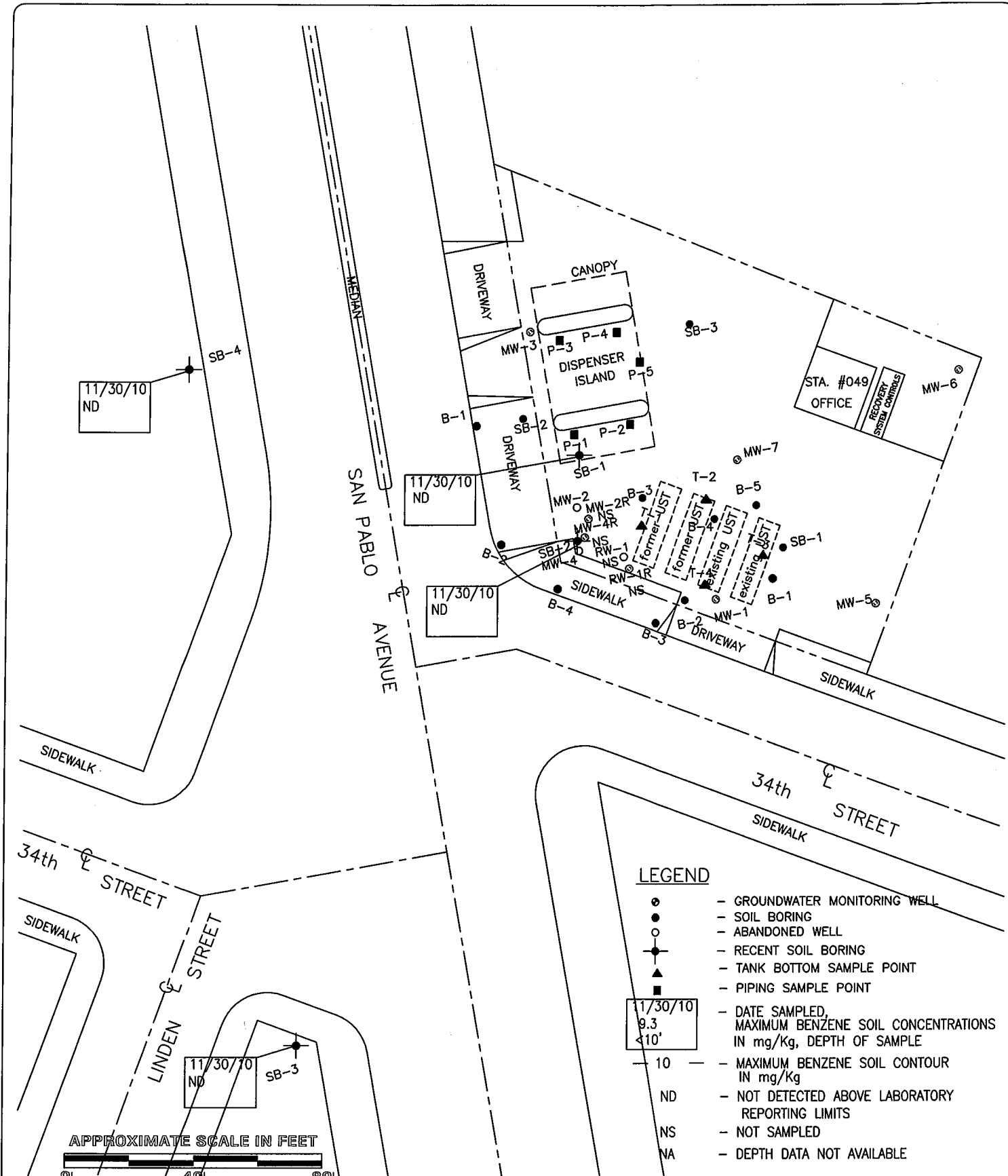
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FIGURE 4G
DISTRIBUTION OF TPHg IN SOIL
(Post-Remediation, 0-10 Feet Below Ground Surface)
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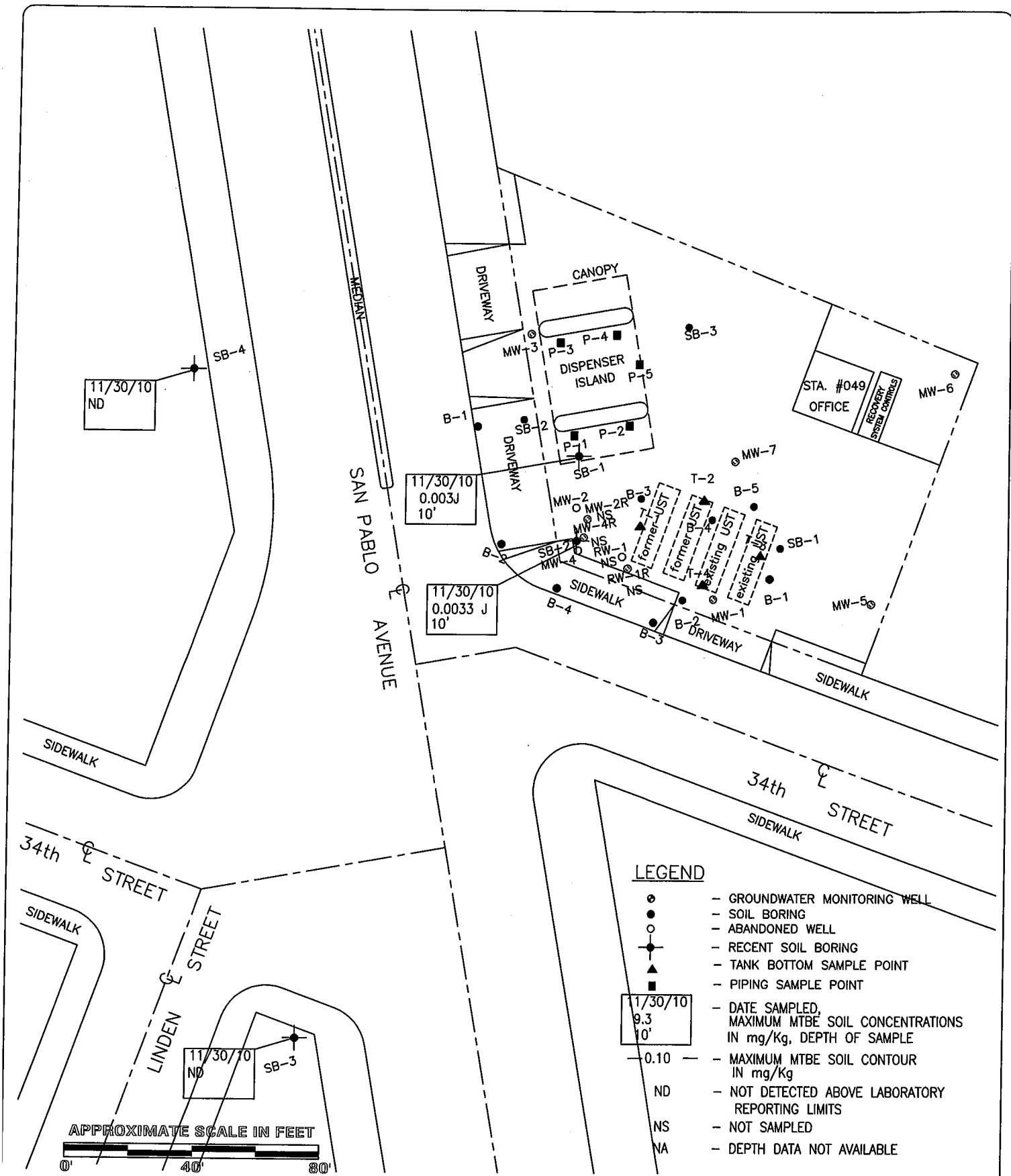
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FIGURE 4H
DISTRIBUTION OF BENZENE IN SOIL
(Post-Remediation, 0-10 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
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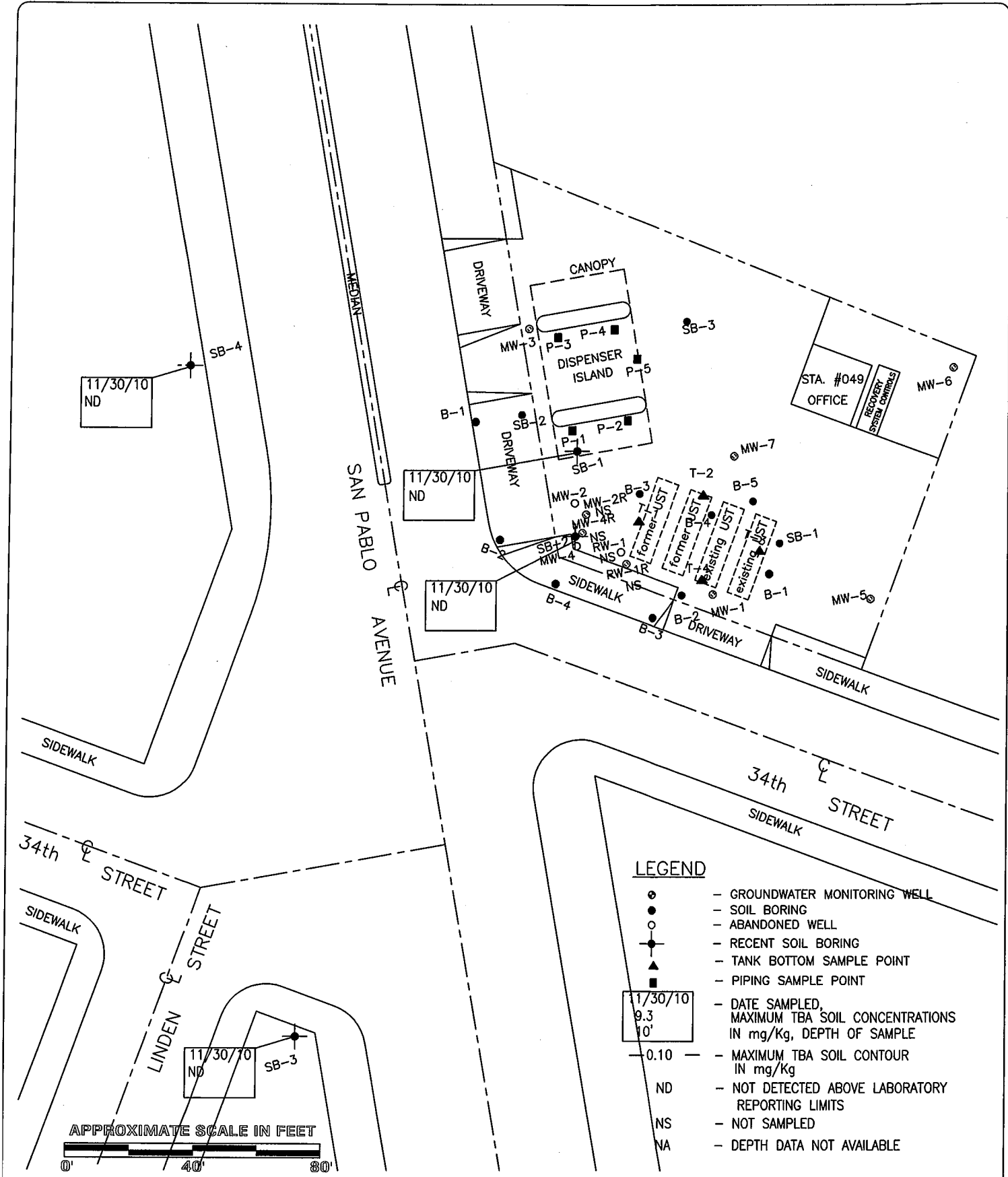
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FIGURE 4I
DISTRIBUTION OF MTBE IN SOIL
 (Post-Remediation, 0-10 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
 3400 San Pablo Avenue
 Oakland, CA



- LEGEND**
- - GROUNDWATER MONITORING WELL
 - - SOIL BORING
 - - ABANDONED WELL
 - ⊙ - RECENT SOIL BORING
 - ▲ - TANK BOTTOM SAMPLE POINT
 - - PIPING SAMPLE POINT
 - 11/30/10
9.3
10' - DATE SAMPLED, MAXIMUM TBA SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
 - 0.10 - MAXIMUM TBA SOIL CONTOUR IN mg/Kg
 - ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
 - NS - NOT SAMPLED
 - NA - DEPTH DATA NOT AVAILABLE

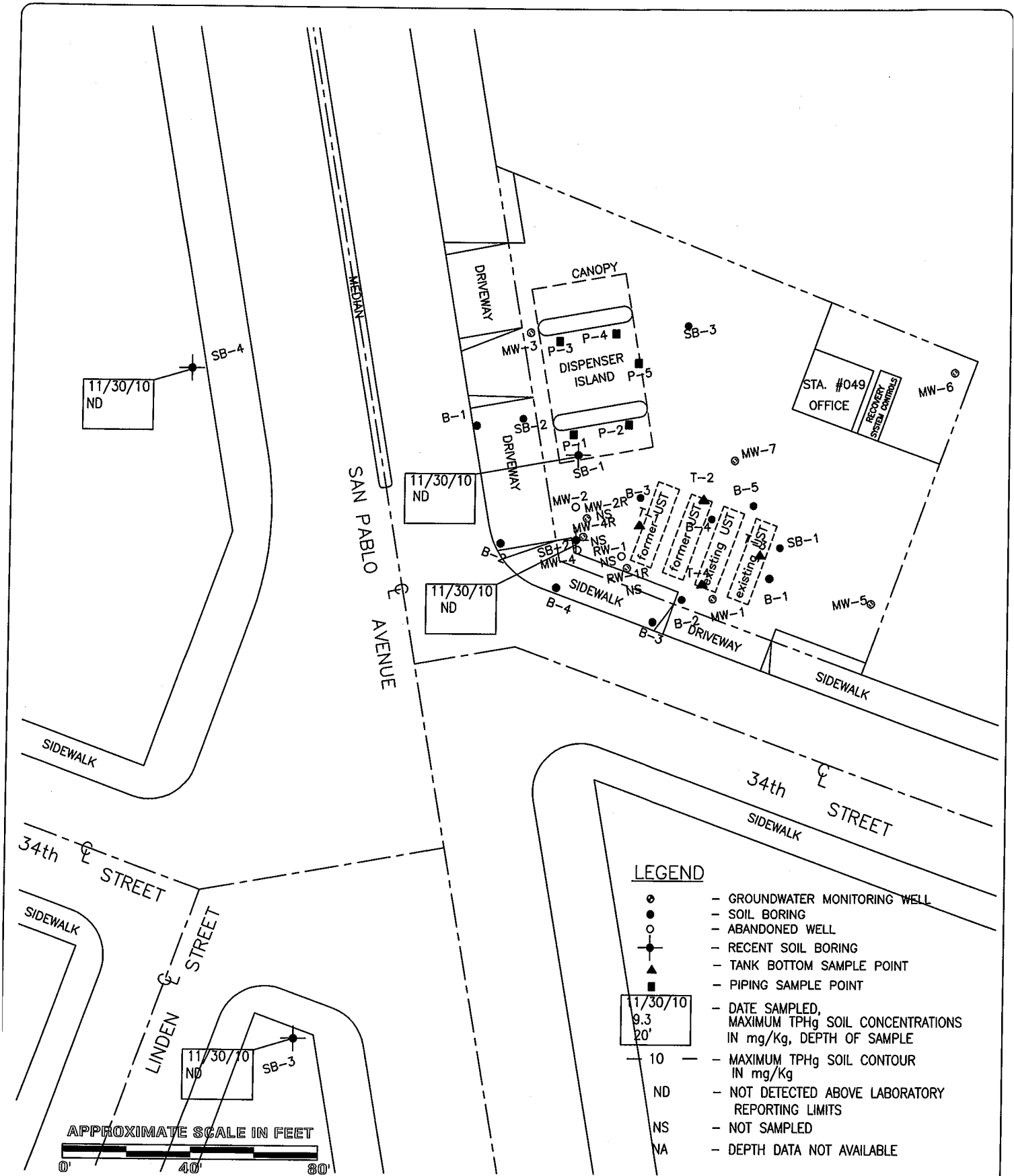
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FIGURE 4J
DISTRIBUTION OF TBA IN SOIL
 (Post-Remediation, 0-10 Feet Below Ground Surface)
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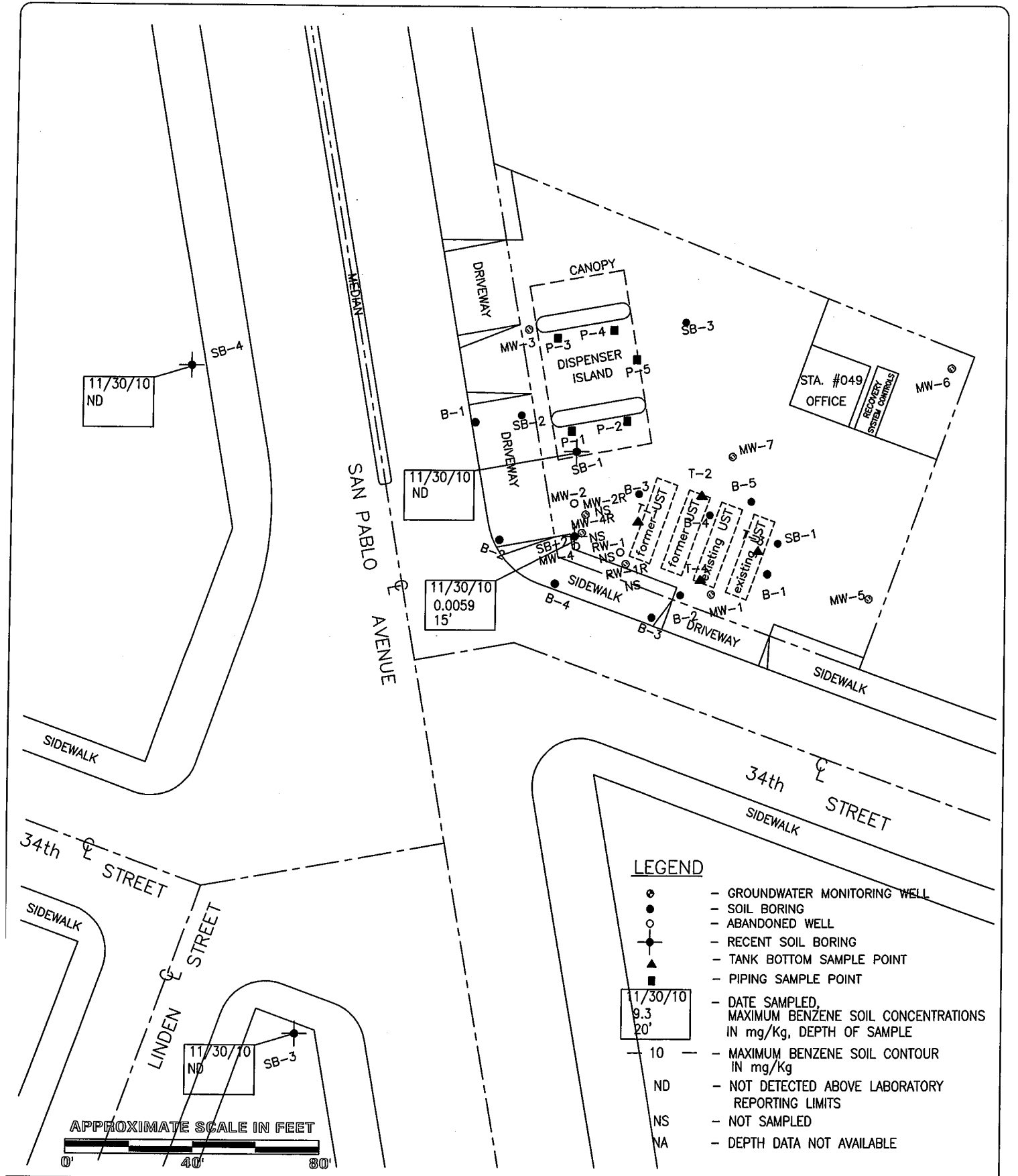
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FIGURE 4K
DISTRIBUTION OF TPHg IN SOIL
 (Post-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
 3400 San Pablo Avenue
 Oakland, CA



- LEGEND**
- — GROUNDWATER MONITORING WELL
 - — SOIL BORING
 - — ABANDONED WELL
 - ◆ — RECENT SOIL BORING
 - ▲ — TANK BOTTOM SAMPLE POINT
 - — PIPING SAMPLE POINT
 - 11/30/10
9.3
20' — DATE SAMPLED, MAXIMUM BENZENE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
 - 10 — MAXIMUM BENZENE SOIL CONTOUR IN mg/Kg
 - ND — NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
 - NS — NOT SAMPLED
 - NA — DEPTH DATA NOT AVAILABLE

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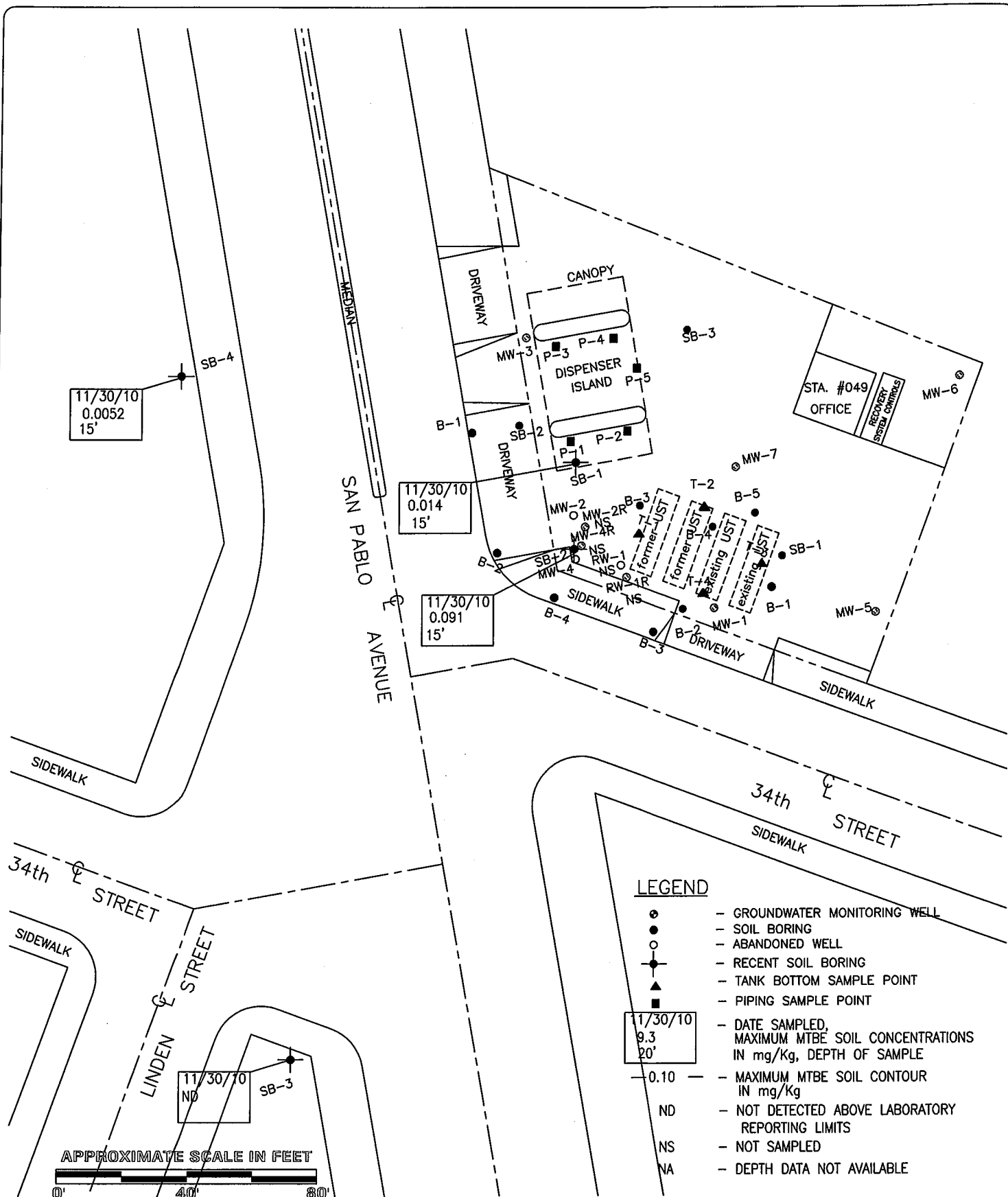
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DATE: 12/26/10

FIGURE 4L
DISTRIBUTION OF BENZENE IN SOIL
 (Post-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
 3400 San Pablo Avenue
 Oakland, CA





LEGEND

- ⊙ - GROUNDWATER MONITORING WELL
- - SOIL BORING
- - ABANDONED WELL
- ⊕ - RECENT SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 11/30/10
9.3
20' - DATE SAMPLED, MAXIMUM MTBE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 0.10 - MAXIMUM MTBE SOIL CONTOUR IN mg/kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE



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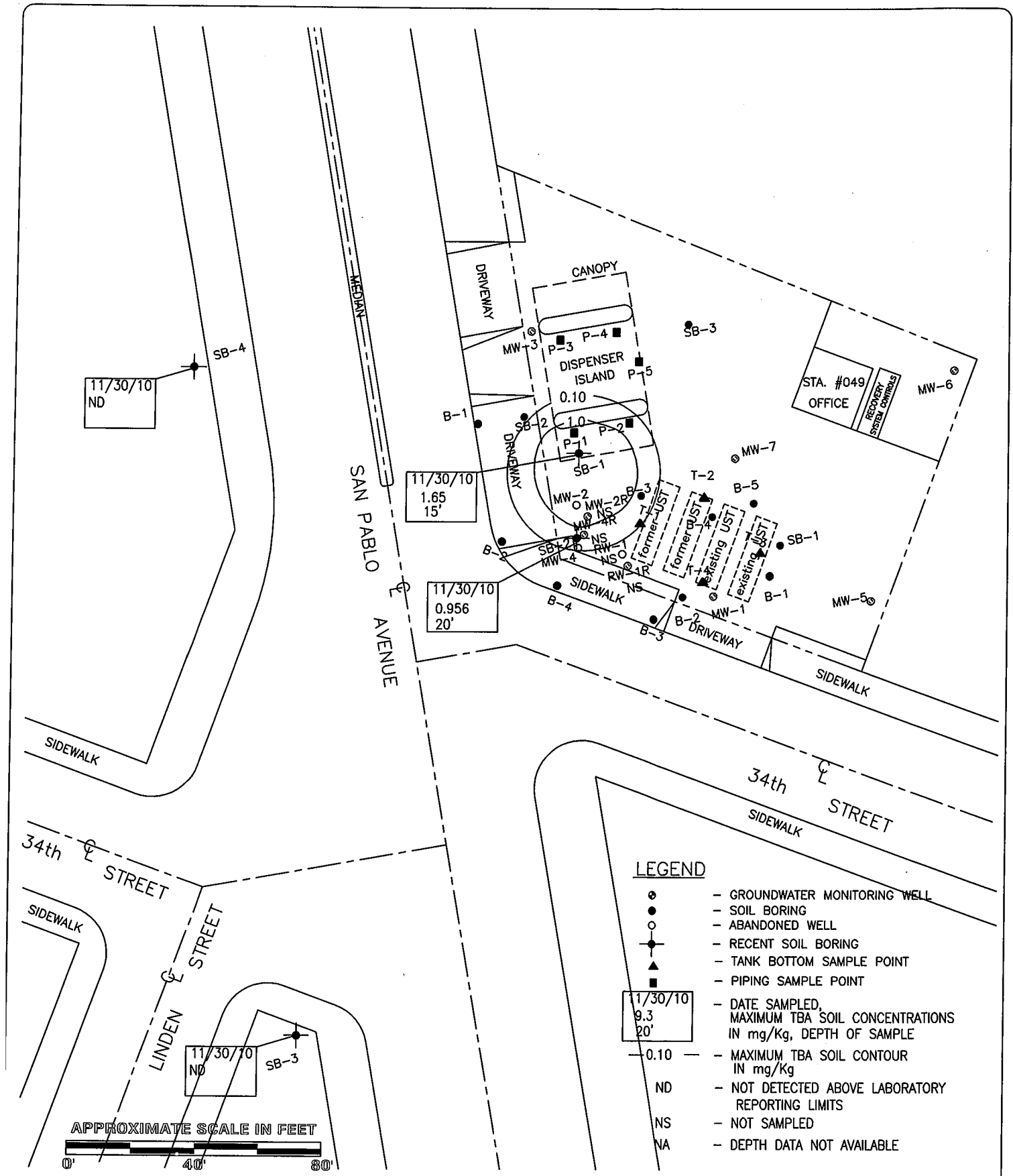
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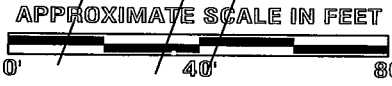
DATE: 12/26/10

FIGURE 4M
DISTRIBUTION OF MTBE IN SOIL
 (Post-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
 3400 San Pablo Avenue
 Oakland, CA



LEGEND

- - GROUNDWATER MONITORING WELL
- - SOIL BORING
- - ABANDONED WELL
- ⊕ - RECENT SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 11/30/10 9.3 20' - DATE SAMPLED, MAXIMUM TBA SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 0.10 - MAXIMUM TBA SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE



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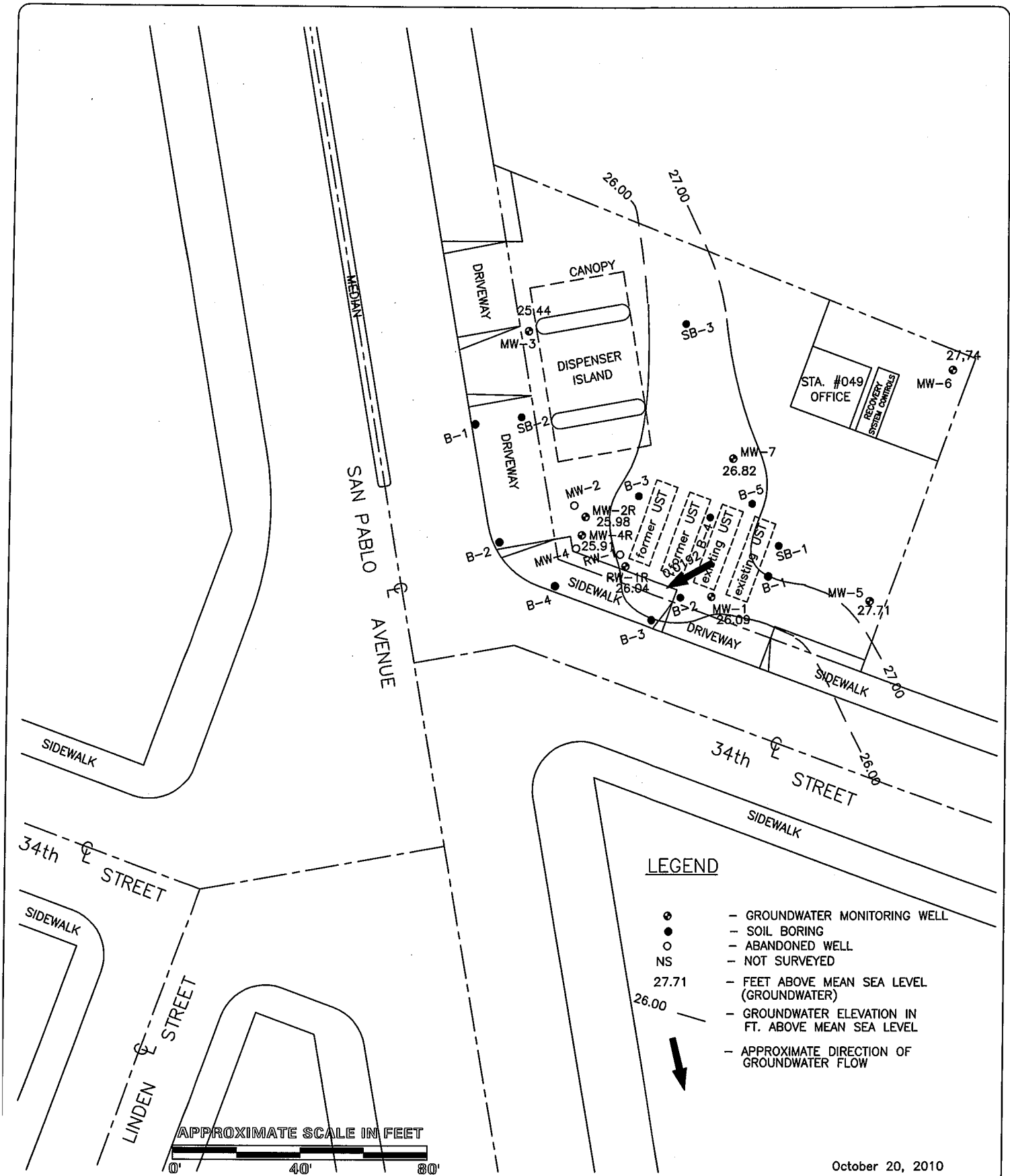
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GHC: 1665

DATE: 12/26/10

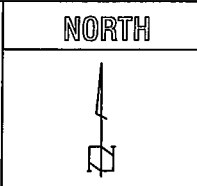
FIGURE 4N
DISTRIBUTION OF TBA IN SOIL
 (Post-Remediation, 11-20 Feet Below Ground Surface)
THRIFTY SERVICE STATION #049
 3400 San Pablo Avenue
 Oakland, CA



October 20, 2010

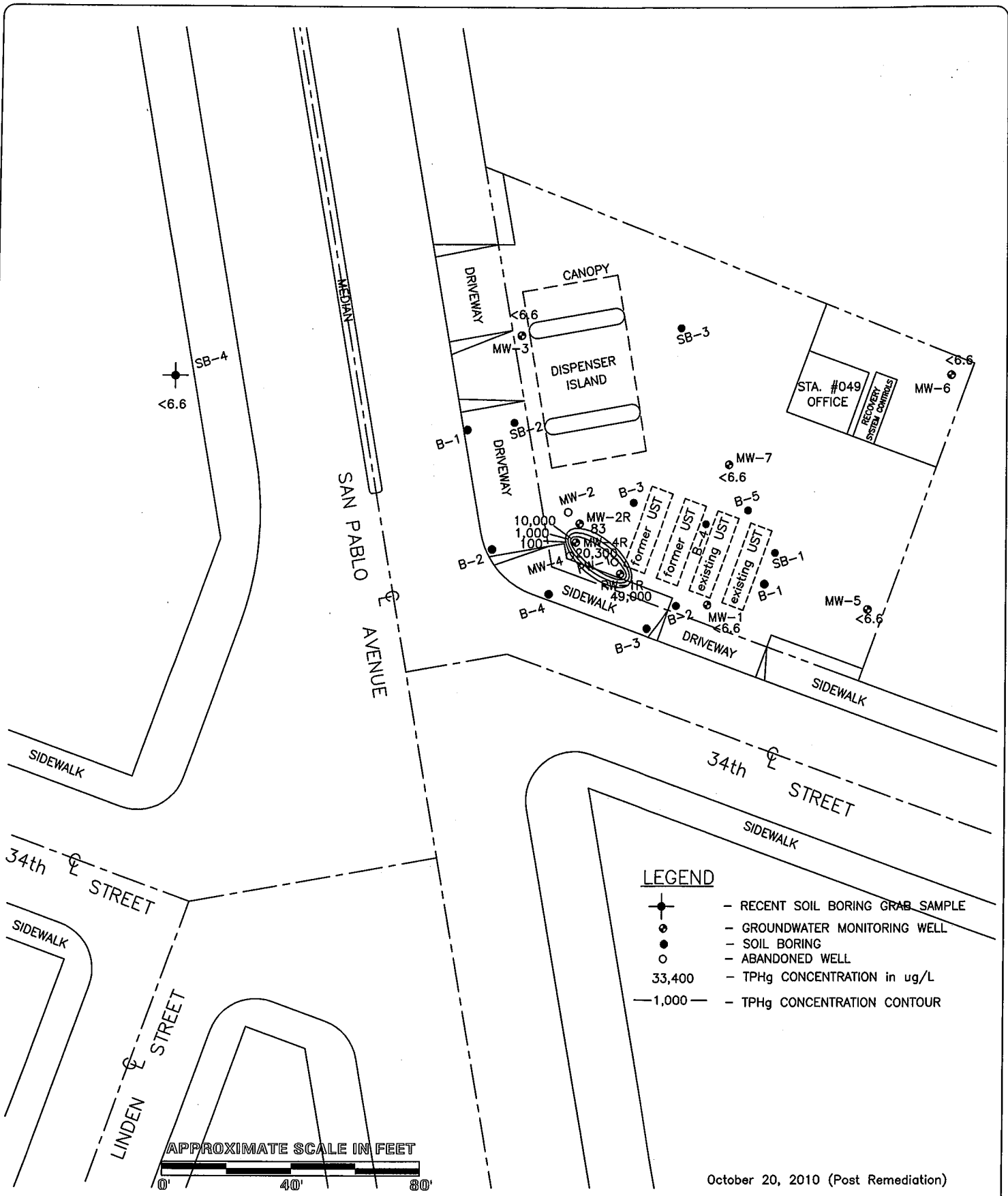


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FIGURE 5
GROUNDWATER ELEVATION CONTOUR MAP
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA



October 20, 2010 (Post Remediation)

FIGURE 6A
DISTRIBUTION OF TPHg IN GROUNDWATER
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

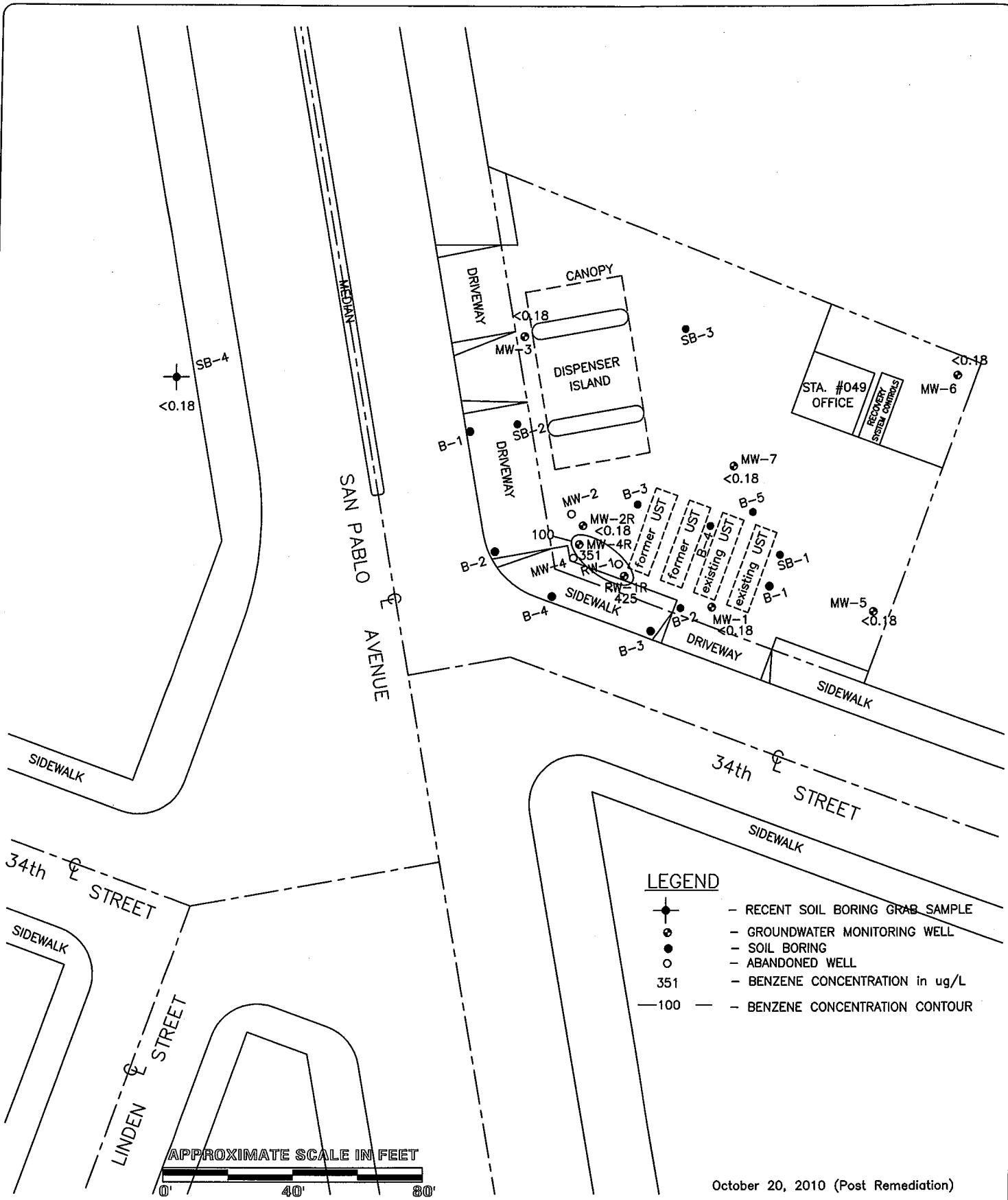

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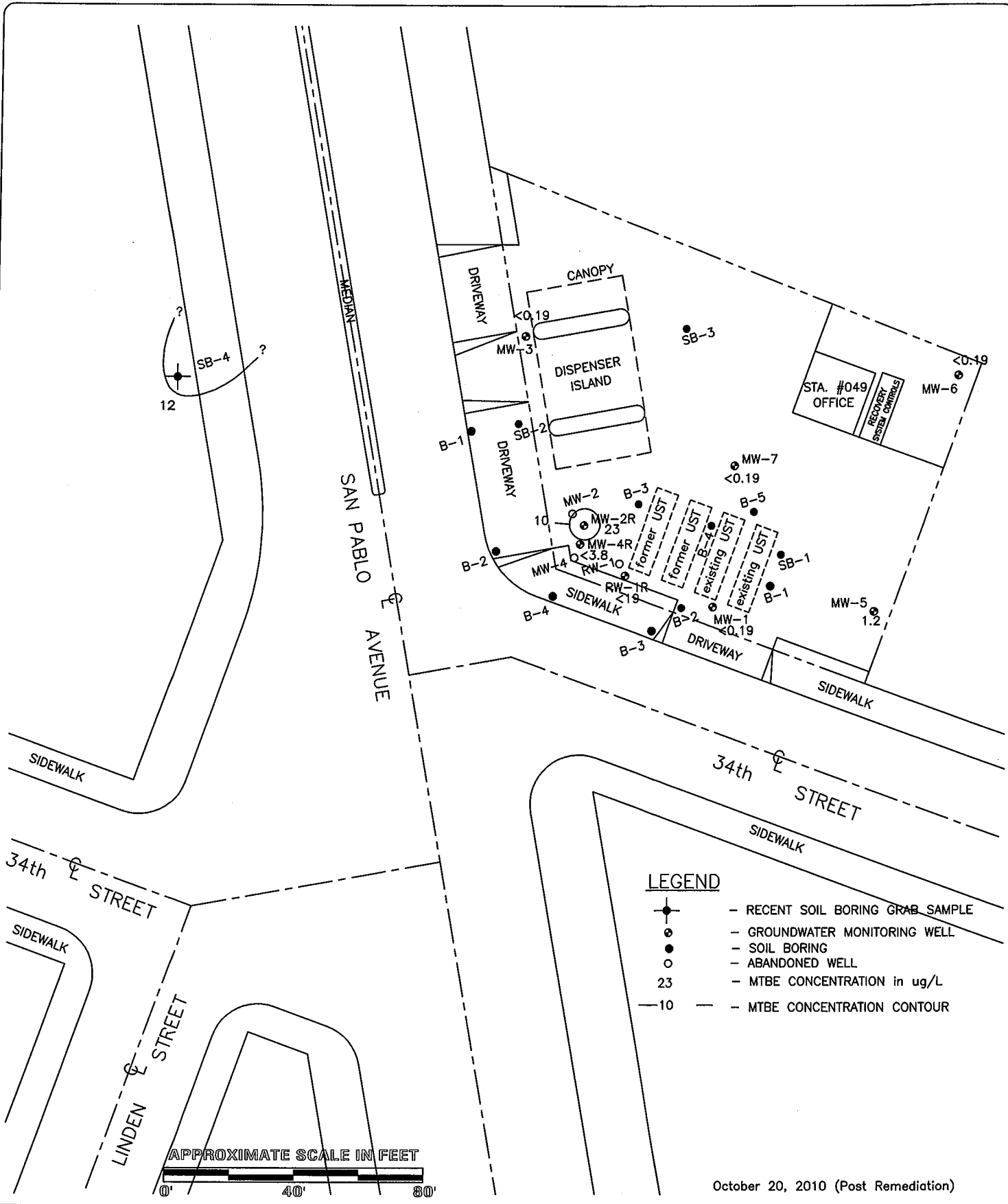
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FIGURE 6B
DISTRIBUTION OF BENZENE IN GROUNDWATER
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

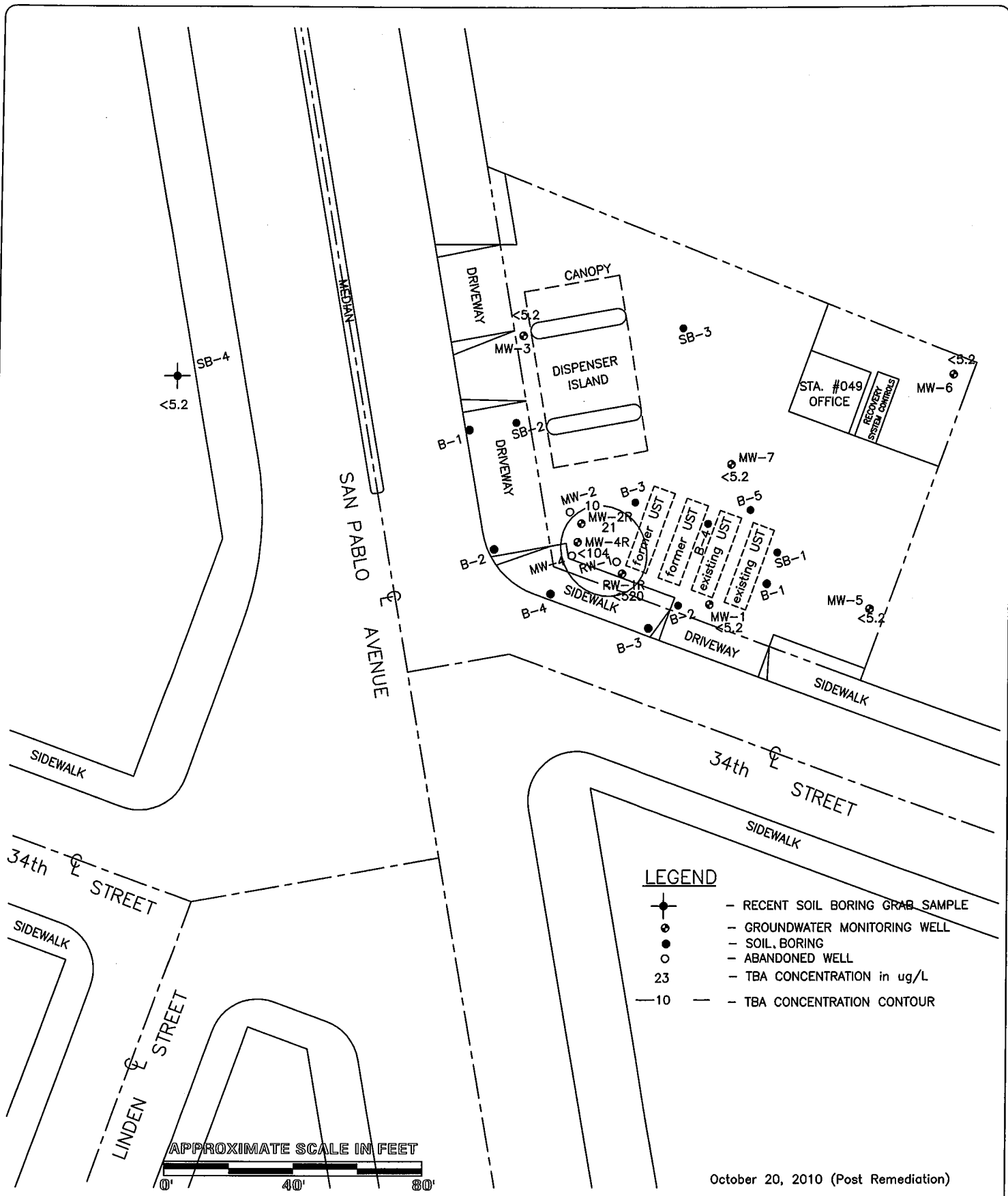


GEOHYDROLOGIC CONSULTANTS, INC.
 PO Box 2234
 Huntington Beach, CA 92647
 www.geohydrologic.com

NORTH

GHC: 1665
 DATE: 12/26/10

FIGURE 6C
DISTRIBUTION OF MTBE IN GROUNDWATER
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA



GEOHYDROLOGIC CONSULTANTS, INC.
 PO Box 2234
 Huntington Beach, CA 92647
 www.geohydrologic.com

NORTH



GHC: 1665
 DATE: 12/26/10

FIGURE 6D
DISTRIBUTION OF TBA IN GROUNDWATER
THRIFTY SERVICE STATION #049
3400 San Pablo Avenue
Oakland, CA

APPENDICES

APPENDIX A

Recent Soil Boring Logs

Project Number: _____

Page 1 of 1

Project Name: TDC 049

Date: 11-30-10

WELL CONSTRUCTION

LITHOLOGY

SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft)	PID/FID (ppm)
			Clay (cl): Black (10YR 2/1), moist, low plasticity				
	07:57		Clayey silt (mi): Light brownish grey (10YR 6/2) to greenish grey, moist, low plasticity, trace siltstone gravel to 1" dia			3.5	
	08:43					SB1-4	
						SB1-5	
						1,196	
	08:45		Silty clay (cl): Dark yellowish brown (10YR 4/6), moist, mod plasticity, trace gravel				
						SB1-10	
						0.0	
	08:53		Yellowish brown (10YR 6/6), very moist				
						SB1-15	
						0.0	
	08:56		moist to very moist				
						SB1-20	
						0.0	

Boring/Well Location Schematic

Well No. SB-1 Drilling method: geoprobe
 Date: 11-30-10 Sampling Method: Core Continues
 Drilling company: Test America Hammer weight and size: 24
 Staff: RAV



Drawn by: _____ Signed: _____ Date: _____

Project Number: _____

Page 1 of 1

Project Name: TC 049

Date: 11-30-10

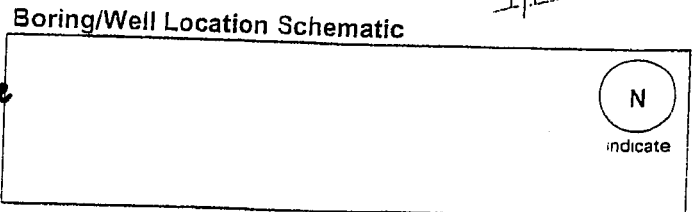
WELL CONSTRUCTION

LITHOLOGY

SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft)	PI/D/FID (ppm)
			Clay (CL) Black (10YR 2/1), moist, low plasticity			0.0	
	07:54		light brownish gray (10YR 6/2)			8.6	
			Clayey silt w gravel (ML): Dark yellowish brown (10YR 4/6), moist, low plasticity, gravel to 1.5" Dia		SBZ-4'	9.2	
	08:05		Silty clay (CL): Dark yellowish brown (10YR 4/6) to greenish gray gleyed, moist, med. plasticity, trace gravel		SBZ-5'		
	08:08		Silty clay (CL): Dark yellowish brown (10YR 4/6) to greenish gray gleyed, moist, med. plasticity, trace gravel		SBZ-10'	0.0	
	08:10		Yellowish brown (10YR 5/6), very moist		SBZ-15'	0.0	
			very moist massive		SBZ-20'	0.0	
	08:15						

Well No. SB-2 Drilling method: Geoprobe
 Date: 11-30-10 Sampling Method: Continuous Core
 Drilling company: Test Bureau Hammer weight and size: N/A
 Staff: RLV



Checked by: _____ Signed: _____ Date: _____

Project Number: _____

Page 1 of 1

Project Name: TDC 049

Date: 11-30-10

WELL CONSTRUCTION

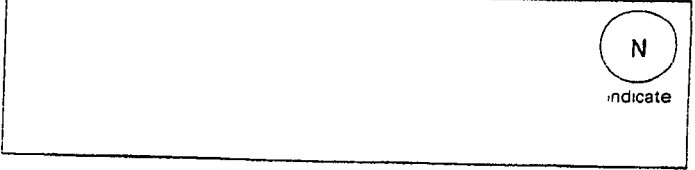
LITHOLOGY

SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft)	PIV/FID (ppm)
			clayey silt(m): Blue (10YR 2/1); moist, low plasticity				
	12:47		Clayey silt(m): Pale Brown (10YR 6/3); moist, low plasticity, trace gravel to 1/8" dia			0.0	SB3-5
	12:50		Silty clay (cl): yellowish brown (10YR 5/4); moist, mod. plasticity; trace gravel to 1/4" dia			0.0	SB3-10
	12:52		low plasticity			0.0	SB3-15
	12:55		moist to very moist			0.0	SB3-20
	13:28		moist			0.0	SB3-25
			Drilled 5 extra feet since no water in hole at 20'. a little higher elevation, may 1'-2' from SB-4 location.				
			* waited 2 hrs, no measurable water in boring. No water to collect sample.				

Boring No. SB-3 Drilling method: Geoprobe
 Date: 11-30-10 Sampling Method: Continuous Core
 Drilling company: Test America Hammer weight and size: NA
 Staff: ALV

Boring/Well Location Schematic



Drawn by: _____ Signed: _____ Date: _____

Project Number: _____

Page 1 of 1

Project Name: 70C049

Date: 11-30-10

WELL CONSTRUCTION

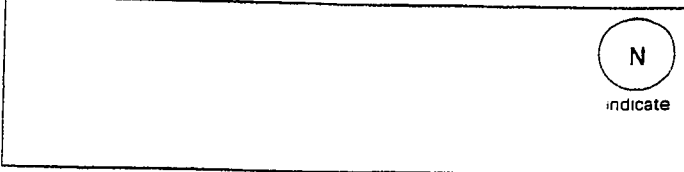
LITHOLOGY

SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft)	PID/FID (ppm)
			Clayey silt (mc): Black (10YR 2/1), moist, low plasticity				
5	10:10		Clayey silt (mc): pale brown (10YR 6/3), moist to slightly moist, low plasticity, trace gravel to 1/4" dia				SB4-5 0.0
	10:12		Silty clay (cl): yellowish brown (10Y 5/4), moist, med. plasticity, trace gravel to 1/4" dia				SB4-10 0.0
	10:15						SB4-15 0.0
	10:20		Very moist				SB4-20 0.0
			Very moist to saturated				0.0
			* collected grab water sample @ 10:30 4 vials preserved with HCL				

Boring/Well Location Schematic

Well No.: SB-4 Drilling method: Geoprobe
 Date drilled: 11-30-10 Sampling Method: Continuous Core
 Drilling company: Test America Hammer weight and size: NA
 Staff: RAV



Prepared by: _____ Signed: _____ Date: _____

APPENDIX B

Alameda County Soil Boring Permits

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 11/18/2010 By jamesy

Permit Numbers: W2010-0878
Permits Valid from 11/30/2010 to 11/30/2010

Application Id: 1290103076969
Site Location: 3431 San Pablo Avenue, Oakland, CA
Project Start Date: 11/30/2010
Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org

City of Project Site: Oakland
Completion Date: 11/30/2010

Applicant: Geo Hydrologic Consultants - Richard Vogl
PO Box 2234, Huntington Beach, CA 92547
Property Owner: Lenberg Vern LLC
2219 Vasquez Pl, Riverside, CA 92507
Client: Thrifty Oil Co.
13116 Imperial Hwy, Santa Fe Springs, CA 90670

Phone: 714-898-5727
Phone: --
Phone: --

Receipt Number: WR2010-0393 Total Due: \$265.00
Payer Name : Earth Management Total Amount Paid: \$265.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitoring Study - 1 Boreholes
Driller: Test America - Lic #: 81948 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0878	11/18/2010	02/28/2011	1	1.50 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
4. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and

Alameda County Public Works Agency - Water Resources Well Permit

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

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

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 11/18/2010 By Jamesy

Permit Numbers: W2010-0879
Permits Valid from 11/30/2010 to 11/30/2010

Application Id: 1290106112173
Site Location: 3400 San Pablo Ave, Oakland, CA
Project Start Date: 11/30/2010
Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org

City of Project Site:Oakland

Completion Date:11/30/2010

Applicant: Geo Hydrologic Consultants - Vogl Richard
PO Box 2234, Huntington Beach, CA 92647
Property Owner: Thrifty Oil Co
13116 Imperial Hwy, Sta Fe Springs, CA 90670
Client: ** same as Property Owner **

Phone: 714-898-5727

Phone: 562-921-3581

Receipt Number: WR2010-0394 Total Due: \$265.00
Payer Name : Earth Management Total Amount Paid: \$265.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitoring Study - 2 Boreholes
Driller: Test America - Lic #: 819548 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0879	11/18/2010	02/28/2011	2	1.50 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and

Alameda County Public Works Agency - Water Resources Well Permit

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

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

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 11/18/2010 By jamesy

Permit Numbers: W2010-0880
Permits Valid from 11/30/2010 to 11/30/2010

Application Id:	1290106750381	City of Project Site:	Oakland
Site Location:	3315 San Pablo Avenue, Oakland, CA	Completion Date:	11/30/2010
Project Start Date:	11/30/2010	Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org	
Applicant:	Geo Hydrologic Consultants - Richard Vogl PO Box 2234, Huntington Beach, CA 92647	Phone:	714-896-5727
Property Owner:	Jack Chi Tse 1835 1/2 Ashby Ave, Berkeley, CA 94703	Phone:	--
Client:	Thrifty Oil Co 13116 Imperial Hwy, Santa Fe Springs, CA 90670	Phone:	562-921-3561

Receipt Number: WR2010-0395	Total Due:	\$265.00
Payer Name : Earth Management	Total Amount Paid:	\$265.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 1 Boreholes
Driller: Test America - Lic #: 819548 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0880	11/18/2010	02/28/2011	1	1.50 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
4. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and

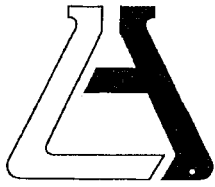
Alameda County Public Works Agency - Water Resources Well Permit

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

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

APPENDIX C

**Soil and Groundwater Sample Laboratory Analytical Reports
and Chain-of-Custody Documents**



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 265931

REPORTED 12/06/2010

RECEIVED 12/01/2010

PROJECT Station #049
3400 San Pablo Ave., Oakland

SUBMITTER Client

COMMENTS * Matrix Interference.

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

<u>Order No.</u>	<u>Client Sample Identification</u>
1128725	TOC #049 SB1-4
1128726	TOC #049 SB1-5
1128727	TOC #049 SB1-10
1128728	TOC #049 SB1-15
1128729	TOC #049 SB1-20
1128730	TOC #049 SB2-4
1128731	TOC #049 SB2-5
1128732	TOC #049 SB2-10
1128733	TOC #049 SB2-15
1128734	TOC #049 SB2-20
1128735	TOC #049 SB3-5

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

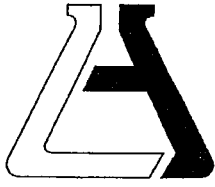
ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental



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

FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 265931

REPORTED 12/06/2010

RECEIVED 12/01/2010

PROJECT Station #049
3400 San Pablo Ave., Oakland

SUBMITTER Client

COMMENTS * Matrix Interference.

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

<u>Order No.</u>	<u>Client Sample Identification</u>
1128736	TOC #049 SB3-10
1128737	TOC #049 SB3-15
1128738	TOC #049 SB3-20
1128739	TOC #049 SB3-25
1128740	TOC #049 SB4-5
1128741	TOC #049 SB4-10
1128742	TOC #049 SB4-15
1128743	TOC #049 SB4-20
1128744	Laboratory Method Blank

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1128725

Matrix: SOLID

Client Sample ID: TOC #049 SB1-4

Date Sampled: 11/30/2010 Time Sampled: 07:57

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	96			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 135	
Surr3 - Toluene-d8	97			%	70 - 135	
Surr4 - p-Bromofluorobenzene	104			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	133			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES Analytical Results Report

Lab Request 265931 results, page 1 of 20



Order #: 1128726

Client Sample ID: TOC #049 SB1-5

Matrix: SOLID

Date Sampled: 11/30/2010 Time Sampled: 08:43

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE

Benzene	ND	1.0	5	0.18 ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17 ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23 ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25 ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17 ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13 ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8 ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17 ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38 ug/Kg	12/03/10 LZ

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	100	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	108	%	70 - 135
Surr3 - Toluene-d8	90	%	70 - 135
Surr4 - p-Bromofluorobenzene	113	%	70 - 135

8015B - Gasoline

Gasoline	7.1	1.0	3	0.018 mg/Kg	12/02/10 LT
----------	-----	-----	---	-------------	-------------

Surrogates

		Units	Control Limits
p-Bromofluorobenzene (Sur)	168*	%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 1128727

Matrix: SOLID

Client Sample ID: TOC #049 SB1-10

Date Sampled: 11/30/2010 Time Sampled: 08:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	3.0J	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	101			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	110			%	70 - 135	
Surr3 - Toluene-d8	93			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	119			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128728
Matrix: SOLID

Client Sample ID: TOC #049 SB1-15
Date Sampled: 11/30/2010 Time Sampled: 08:53

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE

Benzene	ND	1.0	5	0.18 ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17 ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23 ug/Kg	12/03/10 LZ
Ethyl-terbutylether (ETBE)	ND	1.0	2.0	0.25 ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	14	1.0	5	0.17 ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13 ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	1650	1.0	10	8.8 ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17 ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38 ug/Kg	12/03/10 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	98			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 135
Surr3 - Toluene-d8	95			%	70 - 135
Surr4 - p-Bromofluorobenzene	105			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018 mg/Kg	12/02/10 LT
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Surrogates

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

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace



Order #: 1128729

Matrix: SOLID

Client Sample ID: TOC #049 SB1-20

Date Sampled: 11/30/2010 Time Sampled: 08:56

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbuylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	8.3	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	141	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	100			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135	
Surr3 - Toluene-d8	98			%	70 - 135	
Surr4 - p-Bromofluorobenzene	104			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	86			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128730

Client Sample ID: TOC #049 SB2-4

Matrix: SOLID

Date Sampled: 11/30/2010 Time Sampled: 07:54

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE

Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	102	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	108	%	70 - 135
Surr3 - Toluene-d8	91	%	70 - 135
Surr4 - p-Bromofluorobenzene	114	%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
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Surrogates

		Units	Control Limits
p-Bromofluorobenzene (Sur)	133	%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128731**Matrix:** SOLID**Client Sample ID:** TOC #049 SB2-5**Date Sampled:** 11/30/2010 **Time Sampled:** 08:05

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	50.0	250.0	9.0	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	50.0	100.0	8.5	ug/Kg	12/03/10 LZ
Ethyl benzene	1520	50.0	250.0	11.5	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	50.0	100.0	12.5	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	50.0	250.0	8.5	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	50.0	100.0	6.5	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	50.0	500.0	440.0	ug/Kg	12/03/10 LZ
Toluene	ND	50.0	250.0	8.5	ug/Kg	12/03/10 LZ
Xylenes, total	839	50.0	250.0	19.0	ug/Kg	12/03/10 LZ

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	102	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107	%	70 - 135
Surr3 - Toluene-d8	94	%	70 - 135
Surr4 - p-Bromofluorobenzene	127	%	70 - 135

8015B - Gasoline

Gasoline	510	100.0	300.0	1.8	mg/Kg	12/02/10 LT
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Surrogates		Units	Control Limits
p-Bromofluorobenzene (Sur)	131	%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 1128732

Matrix: SOLID

Client Sample ID: TOC #049 SB2-10

Date Sampled: 11/30/2010 Time Sampled: 08:08

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	3.5J	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	3.3J	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	1.9J	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates						
Surr1 - Dibromofluoromethane	102				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	111				%	70 - 135
Surr3 - Toluene-d8	98				%	70 - 135
Surr4 - p-Bromofluorobenzene	104				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates						
p-Bromofluorobenzene (Sur)	123				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128733
Matrix: SOLID

Client Sample ID: TOC #049 SB2-15
Date Sampled: 11/30/2010 Time Sampled: 08:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE

Benzene	5.9	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	91	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	678	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	103	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107	%	70 - 135
Surr3 - Toluene-d8	96	%	70 - 135
Surr4 - p-Bromofluorobenzene	101	%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
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Surrogates

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

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace



Order #: 1128734

Matrix: SOLID

Client Sample ID: TOC #049 SB2-20

Date Sampled: 11/30/2010 Time Sampled: 08:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/02/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/02/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/02/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/02/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/02/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/02/10 LZ
Tertiary butyl alcohol (TBA)	956	1.0	10	8.8	ug/Kg	12/02/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/02/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/02/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	98			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135	
Surr3 - Toluene-d8	98			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	117			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128735**Client Sample ID:** TOC #049 SB3-5**Matrix:** SOLID**Date Sampled:** 11/30/2010 **Time Sampled:** 12:47

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE

Benzene	ND	1.0	5	0.18 ug/Kg	12/02/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17 ug/Kg	12/02/10 LZ
Ethyl benzene	ND	1.0	5	0.23 ug/Kg	12/02/10 LZ
Ethyl-tertbuylether (ETBE)	ND	1.0	2.0	0.25 ug/Kg	12/02/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17 ug/Kg	12/02/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13 ug/Kg	12/02/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8 ug/Kg	12/02/10 LZ
Toluene	ND	1.0	5	0.17 ug/Kg	12/02/10 LZ
Xylenes, total	ND	1.0	5	0.38 ug/Kg	12/02/10 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	101			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107			%	70 - 135
Surr3 - Toluene-d8	97			%	70 - 135
Surr4 - p-Bromofluorobenzene	102			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018 mg/Kg	12/02/10 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	87			%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 1128736

Client Sample ID: TOC #049 SB3-10

Matrix: SOLID

Date Sampled: 11/30/2010 Time Sampled: 12:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	98			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	107			%	70 - 135	
Surr3 - Toluene-d8	97			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	105			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128737
Matrix: SOLID

Client Sample ID: TOC #049 SB3-15
Date Sampled: 11/30/2010 Time Sampled: 12:52

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	100			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 135	
Surr3 - Toluene-d8	96			%	70 - 135	
Surr4 - p-Bromofluorobenzene	106			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	108			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace



Order #: 1128738

Matrix: SOLID

Client Sample ID: TOC #049 SB3-20

Date Sampled: 11/30/2010 Time Sampled: 12:55

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	98			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	108			%	70 - 135	
Surr3 - Toluene-d8	97			%	70 - 135	
Surr4 - p-Bromofluorobenzene	106			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	85			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128739

Client Sample ID: TOC #049 SB3-25

Matrix: SOLID

Date Sampled: 11/30/2010 Time Sampled: 13:28

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18 ug/Kg		12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17 ug/Kg		12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23 ug/Kg		12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25 ug/Kg		12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17 ug/Kg		12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13 ug/Kg		12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8 ug/Kg		12/03/10 LZ
Toluene	ND	1.0	5	0.17 ug/Kg		12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38 ug/Kg		12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	99			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	110			%	70 - 135	
Surr3 - Toluene-d8	95			%	70 - 135	
Surr4 - p-Bromofluorobenzene	99			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018 mg/Kg		12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	98			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

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Order #: 1128740

Matrix: SOLID

Client Sample ID: TOC #049 SB4-5

Date Sampled: 11/30/2010 Time Sampled: 10:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	100			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 135	
Surr3 - Toluene-d8	98			%	70 - 135	
Surr4 - p-Bromofluorobenzene	105			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	104			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 1128741

Client Sample ID: TOC #049 SB4-10

Matrix: SOLID

Date Sampled: 11/30/2010 Time Sampled: 10:12

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	99			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 135	
Surr3 - Toluene-d8	98			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	99			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES Analytical Results Report

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Order #: 1128742**Matrix:** SOLID**Client Sample ID:** TOC #049 SB4-15**Date Sampled:** 11/30/2010 **Time Sampled:** 10:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	5.2	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	102	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107	%	70 - 135
Surr3 - Toluene-d8	98	%	70 - 135
Surr4 - p-Bromofluorobenzene	102	%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
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Surrogates		Units	Control Limits
p-Bromofluorobenzene (Sur)	99	%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 1128743**Matrix:** SOLID**Client Sample ID:** TOC #049 SB4-20**Date Sampled:** 11/30/2010 **Time Sampled:** 10:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE

Benzene	ND	1.0	5	0.18	ug/Kg	12/03/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/03/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/03/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/03/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/03/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/03/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/03/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/03/10 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	101			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	102			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018	mg/Kg	12/02/10 LT
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Surrogates

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

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES

Analytical Results Report



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Order #: 1128744

Client Sample ID: Laboratory Method Blank

Matrix: SOLID

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	5	0.18	ug/Kg	12/02/10 LZ
Di-isopropyl ether (DIPE)	ND	1.0	2.0	0.17	ug/Kg	12/02/10 LZ
Ethyl benzene	ND	1.0	5	0.23	ug/Kg	12/02/10 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	2.0	0.25	ug/Kg	12/02/10 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	5	0.17	ug/Kg	12/02/10 LZ
Tert-amylmethylether (TAME)	ND	1.0	2.0	0.13	ug/Kg	12/02/10 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	8.8	ug/Kg	12/02/10 LZ
Toluene	ND	1.0	5	0.17	ug/Kg	12/02/10 LZ
Xylenes, total	ND	1.0	5	0.38	ug/Kg	12/02/10 LZ

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	96	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	94	%	70 - 135
Surr3 - Toluene-d8	99	%	70 - 135
Surr4 - p-Bromofluorobenzene	101	%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	3	0.018	mg/Kg	12/01/10 LT
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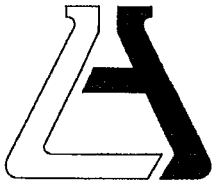
Surrogates		Units	Control Limits
p-Bromofluorobenzene (Sur)	99	%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES Analytical Results Report

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ASSOCIATED LABORATORIES

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

FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 265949

REPORTED 12/07/2010

RECEIVED 12/01/2010

PROJECT Station #049
3400 San Pablo Avenue, Oakland

SUBMITTER Client

COMMENTS

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

Order No.

1128812

1128813

Client Sample Identification

TOC #049 SB4-113010

Laboratory Method Blank

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1128812**Matrix:** WATER**Client Sample ID:** TOC #049 SB4-113010**Date Sampled:** 11/30/2010 **Time Sampled:** 10:38

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18 ug/L		12/03/10 AK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20 ug/L		12/03/10 AK
Ethyl benzene	ND	1.0	5	0.21 ug/L		12/03/10 AK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23 ug/L		12/03/10 AK
Methyl-tert-butylether (MTBE)	12	1.0	1	0.19 ug/L		12/03/10 AK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19 ug/L		12/03/10 AK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2 ug/L		12/03/10 AK
Toluene	ND	1.0	5	0.24 ug/L		12/03/10 AK
Xylenes, total	ND	1.0	5	0.45 ug/L		12/03/10 AK
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	101			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	131			%	70 - 135	
Surr3 - Toluene-d8	104			%	70 - 135	
Surr4 - p-Bromofluorobenzene	106			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6 ug/L		12/03/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	76			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 1128813

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/03/10 AK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/03/10 AK
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/03/10 AK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/03/10 AK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/03/10 AK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/03/10 AK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/03/10 AK
Toluene	ND	1.0	5	0.24	ug/L	12/03/10 AK
Xylenes, total	ND	1.0	5	0.45	ug/L	12/03/10 AK
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	105			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	134			%	70 - 135	
Surr3 - Toluene-d8	115			%	70 - 135	
Surr4 - p-Bromofluorobenzene	108			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/03/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	87			%	60 - 140	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES

Analytical Results Report

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