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TRANSMITTAL

DATE: June 21, 2011

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PROJECT NAME: 1137-1167 65th Street, Oakland

TO: Ms. Barbara Jakub
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

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SITE CONCEPTUAL MODEL, SUB-SLAB VAPOR PROBE INSTALLATION AND ADDITIONAL SITE CHARACTERIZATION REPORT

1137-1167 65th STREET
OAKLAND, CALIFORNIA
ACEH Case No. RO 0000082

Prepared by:
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JUNE 17, 2011
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1.0 INTRODUCTION

On behalf of Mr. John Nady, Conestoga-Rovers and Associates (CRA) is submitting this *Site Conceptual Model, Sub-Slab Vapor Probe Installation, and Additional Site Characterization Report*. CRA collected sub-slab vapor probe samples within the four onsite buildings and drilled three offsite soil borings. CRA conducted this work according to the *Sub-Slab Vapor Probe Installation and Additional Site Assessment Work Plan* dated May 10, 2010 and two subsequent Work plan Addenda dated September 30, 2010 and February 15, 2011. The work plan was initiated following a March 18, 2010 email exchange with Alameda County Environmental Health (ACEH). Comments to the May 10, 2010 work plan were offered in an August 3, 2010 ACEH letter. The two addenda were a result of comments in the letter. The work plan and addenda were approved by ACEH in an email dated March 31, 2011. A copy of each correspondence is included in Appendix A. ACEH also requested a site conceptual model in a letter dated August 3, 2010.

On April 19, 2011, CRA installed sub-slab vapor probes to evaluate the potential vapor intrusion pathway to indoor air. Sub-slab vapor probes were sampled on May 4-5, 2011. On April 19-21, 2011 CRA advanced the offsite soil borings and collected samples to further define the extent of Stoddard solvent and halogenated volatile organic compounds (HVOCs) in soil and groundwater.

Data from the April 2011 investigations is included in the Site Conceptual Model (SCM). Specific details of these investigations follow the SCM sections of this report. The SCM provides a description of the site history, distribution of contaminants, and the relationship between the source area, transport pathways and potential receptors.

1.1 SITE BACKGROUND

Site Description

The site currently comprises a group of buildings separated by narrow walkways and an outside parking area. The site includes the addresses 1137, 1145 and 1167 65th Street in Oakland. The building spaces are rented to artists and musicians. The surrounding area is comprised of mixed residential, commercial and light industrial uses. The facility was historically used by a dry cleaner from approximately 1935 to 1978. The site location is shown on Figure 1 and the site buildings as well as surrounding roadways, residences and other structures are shown on Figure 2.

Site Ownership and Leasing
The property is owned by the Nady Trust. Individual units within the four buildings are rented or leased to individuals or companies.

Current Site Use
The various units within the four buildings are used by musicians, artists and other artisans.

1.2 SITE INFORMATION

Site Address	1137-1167 65th Street, Oakland, CA
Site Use	Various Commercial Operations
Client and Contact	John Nady, Trustee of the Nady Trust
Consultant and Contact	CRA, Robert Foss, P.G.
Lead Agency and Contact	ACEH, Ms. Barbara Jakub
ACEH Case No.	RO0000082

1.3 HISTORICAL CHEMICAL USE

Six underground storage tanks (USTs) and conveyance piping associated with dry cleaning chemical storage were previously in use at the site (Figure 2). A liquid sample from each tank was collected and analyzed in September 2001 to profile the residual fluids for removal and disposal. Five of the six tanks were removed in February 2002, while the sixth, UST #5, was abandoned in place with agency approval. Each sample contained varying ranges of petroleum hydrocarbons, with detections in the ranges of gasoline, naphtha and diesel. This hydrocarbon mix was likely primarily Stoddard solvent, a common dry cleaning fluid. Two additional USTs had been in use on the site and were removed in 1982 and 1998. A gasoline UST and overlying dispenser was located beneath a paved area east of the buildings. This tank was removed in 1982. A heating oil tank located beneath the sidewalk just north of the building at 1145 65th Street was removed in 1998.

1.4 ENVIRONMENTAL SETTING

Regional and Local Geology

The site is located in the Coast Ranges Geomorphic Province of California. The origin of the local geology is apparently a prehistoric alluvial fan interfacing with marine estuarine deposits. Typical lithology of an alluvial fan consists of mixtures and interfingered lenses of gravel, sand, silt and clay. Distal alluvial fan deposits are typically comprised of smaller clastic sediments of finer sand, silt and clay, representing lower energy depositional conditions. These alluvial fan deposits may interface with marine estuarine sediments, predominantly comprised of silt and clay mixed with organic material and some discontinuous deposits of sand and gravel. Bedrock, well below these shallow sediments, is probably Mesozoic Franciscan Formation.

Beneath surface materials (concrete or asphalt) and fill, investigations to date have shown subsurface soils to generally consist of interbedded layers of low permeability silts and clays; moderately permeable mixtures of sandy silt and clay; and higher permeable silty sand. The site is approximately 35 feet above mean sea level (ft msl) and local topography is generally flat. Generalized descriptions and illustrations of shallow sediments beneath the site are shown on cross-sections A-A' (Figure 3), B-B' (Figure 4) and C-C' (Figure 5). Available boring logs and well logs are included is Appendix B.

Local Hydrogeology

Several water-bearing zones have been identified beneath the site. Within each zone, transmissive sediments may not be laterally continuous across the site. These zones are described, as follows:

- A-Zone: This zone is defined as shallow, discontinuous, water-bearing sediments found at depths between approximately 3.5 and 12 feet below grade (fbg). In localized areas, perched groundwater may exist within transmissive sediments ranging in thickness from 1.5 to 2 ft, and at depths between approximately 3.5 and 6 fbg. More extensive water-bearing sediments appear at depths of approximately 6 to 12 fbg, ranging in thickness from 1 to 6 ft. Groundwater found between 3.5 and 12 fbg may be hydraulically connected and groundwater in this zone may be semi-confined to unconfined.
- B-Zone: Boring logs from across the site suggest that this zone is less easily recognized and defined than either the A- or C-zones. The B-zone consists of thin, discontinuous water-bearing sediments of lower permeability than either the A- or C-zones. These sediments consist of clayey silty sands and sandy silts, with varying amounts of gravels. This zone is located between 13 and 24 fbg, and exhibits semi-confined to confined conditions.

- C-Zone: The C-Zone consists of water-bearing, transmissive sediments found between 25 and 46 fbg, under semi-confined or confined conditions. Sediments at these depths appear to be discontinuous.

Groundwater flow is typically calculated toward the southwest, in the general direction of San Francisco Bay.

2.0 PREVIOUS ACTIVITIES AND INVESTIGATIONS

The following provides a general overview of prior environmental activities and investigations. Former UST, piping and other structures, wells, and soil boring locations discussed below are shown on Figure 2.

1982 Tank Removal

A gasoline UST and gas dispenser were removed in 1982. Based on depressions in the site asphalt, the gasoline UST appears to have been located directly beneath the former gasoline dispenser.

1998 Tank Removal

In 1998, a 750-gallon heating oil UST was removed from beneath the sidewalk north and in front of the 1145 65th Street building. Approximately 18 cubic yards of hydrocarbon-bearing soil was removed from the UST cavity and transported under manifest for disposal. Additional information is present in the December 24, 1998 *UST Removal Report* prepared by Artesian.

2001 UST Liquid Contents Removal

In September and October 2001, liquid samples were collected from the six remaining USTs at the site. These samples were analyzed to characterize UST contents for disposal. The liquid in the six USTs was removed and transported under chain-of-custody for disposal as hazardous waste in November 2001. Additional information is present in the May 17, 2002 *UST Removal Report,* prepared by SCI consultants.

2002 Tank Removal and Abandonment

In February 2002, five of the six USTs were excavated and removed. The remaining UST (Interior Tank #5) was filled with cement slurry and abandoned in place with regulatory approval. Additional information is contained in the May 17, 2002 *UST Removal Report* prepared by SCI consultants.

2002 Soil Boring and Geophysical Survey

In November 2002, Cambria Environmental Technology (Cambria) advanced soil borings SB-1 through SB-11 to further define the extent of petroleum hydrocarbons and volatile organic compounds (VOCs) in soil and groundwater beneath the site. Temporary wells were installed in each boring to measure groundwater depth and to collect grab groundwater samples. Additional information is provided in Cambria's February 13, 2003 *Soil and Groundwater Investigation Report*.

July 2003 Geophysical Survey

On July 7, 2003, NorCal conducted a limited site geophysical survey to identify subsurface piping. Subsurface piping identified by the geophysical survey is illustrated on Figure 2.

January 2004 Soil Boring Investigation

In January 2004, Cambria advanced numerous soil borings to further define the extent of petroleum hydrocarbons and VOCs in soil and groundwater beneath the site. Soil and groundwater samples were collected from A-Zone, B-Zone and C-Zone depths. Additional information is provided in Cambria's February 24, 2004 *Interim Investigation Data Report*.

January 2004 Sensitive Receptor Survey

In January 2004, Cambria conducted a sensitive receptor survey for beneficial use wells (e.g., municipal supply, domestic, irrigation, etc.) and surface water bodies within ½-mile of the site. While several environmental monitoring wells were located during the survey, Cambria did not identify any surface water bodies or beneficial use wells within ½-mile of the site. Cambria stated that local groundwater is not currently nor reasonably considered as a potential future source of drinking water.

Cambria also conducted a conduit study to evaluate if preferential migration pathways exist near the site and merit additional investigation. No preferential migration pathways were located adjacent to the site in Peabody Lane. Based on analyte concentrations in grab groundwater samples near 65th Street, it is unlikely that preferential migration is occurring via the underground utilities located in 65th Street. Additional information of the January 2004 Sensitive Receptor Survey and Conduit Study can be found in Cambria's February 24, 2004 *Interim Investigation Data Report*.

May 2004 Soil Boring and Well Installations

In May 2004, Cambria drilled 13 additional soil borings and constructed monitoring wells MW-1A through MW-4A, and MW-6A and MW-7A; wells MW-1B, MW-4B, MW-5B and MW-6B; and MW-1C, MW-4C and MW-6C. Additional information is

provided in Cambria's September 7, 2004 *Supplemental Soil and Groundwater Investigation Report.*

August-September 2009 Additional Site Characterization

CRA drilled three offsite borings, installed four additional monitoring wells, logged 15 borings with CPT and MIP, collected one deep groundwater sample, and installed nine soil vapor probes. Additional information is provided in CRA's *Additional Site Characterization Report* dated February 25, 2010.

September and December 2009 Shallow Vapor Probe Sampling

CRA sampled the nine soil vapor probes in September and December 2009. Results of these sampling events are provided and discussed in CRA's *Additional Site Characterization Report* dated February 25, 2010.

April 2011 Sub-slab Vapor Probe Installation/Sampling and Additional Offsite Site Characterization

CRA installed and sampled nine sub-slab vapor probes beneath the buildings at 1137, 1145, 1147 and 1167 65th Street to evaluate potential risks of vapor intrusion into the buildings. Additionally, three offsite soil borings were advanced to collect soil and grab-groundwater samples to complete downgradient characterization of chemical migration from the site. Information and data from these investigations is detailed in the following sections of this report.

Groundwater Monitoring

The site was previously sampled quarterly starting in 2004. In response to State Water Resources Control Board Resolution No. 2009-0042, dated May 19, 2009, the site is now sampled semi-annually, during the first and third quarters of the calendar year.

The tables listed below contain analytic data for the investigations described above. Table 1 contains monitoring well construction details. Tables 2 and 3 contain cumulative analytic soil sample data. Tables 4 and 5 contain cumulative monitoring wells groundwater analytic data and Tables 6 and 7 contain cumulative grab-groundwater analytic data.

3.0 CHEMICAL DISTRIBUTION

3.1 CHEMICALS OF POTENTIAL CONCERN

Chemicals of potential concern are Stoddard solvent and PCE, both of which are common dry cleaning chemicals. Stoddard solvent contains ethylbenzene, xylenes and isomers of benzene. Also associated with PCE is Trichloroethene (TCE) and Dichloroethene (DCE) and vinyl chloride (VC). All three of these compounds may be present as sequential degradation products of PCE.

Gasoline-range and heating oil-range hydrocarbons are also present, but at much lower concentrations than the dry cleaning chemical compounds and are not considered chemicals of potential concern.

3.2 CHEMICAL DISTRIBUTION IN SOIL

- The highest concentrations of total petroleum hydrocarbons as Stoddard solvent (TPHss) have been identified in the vicinity of the former Exterior and Interior USTs and conveyance pipes, in an area east of the former Exterior USTs, at the southwest corner of the facility, and near the floor drain in the 1167 65th Street building. The deepest detected concentration of TPHss is at 17.5 fbg in a sample collected at the southwest corner of the facility. No TPHss was detected at 20 fbg at this location at 20 fbg. Detections in the TPHg and TPHd range are likely Stoddard solvent.
- PCE was rarely detected in soil above frequently elevated detection limits. The highest concentration of PCE in soil was identified below Exterior Tank #3 at 310 µg/kg. PCE detections were all relatively shallow. TCE, DCE and VC have not been detected in soil.
- Benzene, toluene, ethylbenzene and xylenes (BTEX) were detected downgradient of the former gasoline UST location in boring SB-14A at 7.5 fbg. A TPHg concentration of 210 milligram per kilogram (mg/kg) was also detected at this depth. No benzene was detected in the 11.5 fbg sample at this location.
- Ethylbenzene and xylenes were detected southeast of the former exterior USTs and also apparently occur at depth at the southeast corner of the facility based on data from borings in an alley apparently covered in vegetation. The deepest samples with ethylbenzene and xylenes are at 17.5 fbg (SB-18B@17.5). No ethylbenzene or xylenes were detected in a sample collected from 20 fbg at this location in the alley.
- TPH as motor oil (TPHmo) range hydrocarbons were detected in shallow soil adjacent to the former heating oil UST, under the sidewalk adjacent to 65th Street. An

elevated concentration of TPHmo-range hydrocarbons also exist at 5.5 fbg under Peabody Lane, southwest of the facility, but decreases to below detection limits at 11 fbg.

The primary chemical of concern is Stoddard solvent. Laboratory notes indicate that chromatograms of both TPHg and TPHd analyses resemble Stoddard solvent more so than their respective chemical spectra. Therefore, the presence of both gasoline-range and diesel-range hydrocarbons are suspected to represent the overlap of these chemical ranges with that of the chemical range of Stoddard solvent. To most effectively represent the distribution of hydrocarbon contaminants in soils, historical results of Stoddard solvent analysis are plotted and illustrated on Figure 6. Soil sample analytic results for all analyzed chemicals from the April 2011 investigation are shown on Figure 7.

3.3 CHEMICAL DISTRIBUTION IN GROUNDWATER

A-Zone Groundwater

TPHss were detected in the proximity of the former exterior USTs, to the east of the exterior USTs, at the northern defined extent of the conveyance piping, at the southwest corner of the facility, and adjacent to the floor drain in the 1167 65th Street building in groundwater samples collected in the A-Zone. Gasoline-range and diesel-range hydrocarbons also are common where TPHss is detected. Laboratory notations indicate that TPHg and TPHd detections are more likely due to Stoddard solvent rather than actual gasoline or diesel.

PCE and TCE were detected in A-Zone groundwater only in the immediate vicinity of the former exterior USTs. The highest PCE concentration historically detected in the A-zone was 62 micrograms per liter (µg/l) in MW-1A, just south of the exterior USTs.

Dissolved gasoline-range hydrocarbons were previously detected near the former gasoline UST in well MW-2A but those concentrations have decreased to below detection limits. BTEX concentrations, if detected in groundwater collected from the A-Zone, are very low.

The highest PCE concentration detected during the March 2011 groundwater sampling event was 6.7 µg/l in well MW-1A. Other reported maximum concentrations from the March 2011 sampling are 2,300 µg/l TPHss and 1,000 µg/l TPHd in well MW-6A, 2,100 µg/l TPHg in well MW-3, 86 µg/l chlorobenzene and 13 µg/l 1,2-Dichlorobenzene (1,2-DCB) in well MW-3A, and 7.7 µg/l cis-1,2-Dichloroethene (cis-1,2-DCE) in

well MW-1A. All other analytes were either below reporting limits or below environmental screening levels (ESLs) defined in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* California Regional Water Quality Control Board – San Francisco Bay Region, Interim Final – November 2007 (Revised May 2008).

B-Zone Groundwater

TPHss were detected near the southwest corner of the facility in 2002 and 2004 in SB-7, SB-18A and MW-6B. Historical concentrations included 5,600 µg/l from boring SB-7 (2002) and 2,100 µg/l from SB-18A (2004), both located relatively close to well MW-6. Gasoline and diesel-range hydrocarbons were also detected, although these results likely represent TPHss. Cis-1,2-DCE was detected in SB-17B at 1,100 µg/l, southwest and downgradient of the former exterior USTs. No PCE or TCE were detected in groundwater collected from SB-17B. No PCE or TCE were detected in other grab groundwater or B-Zone monitoring wells.

Benzene concentrations were near or below detection limits in grab groundwater samples collected from borings and groundwater samples from B-Zone monitoring wells.

The highest concentrations detected during the March 2011 sampling event were 850 µg/l TPHss, 370 µg/l TPHd, and 610 µg/l TPHg in MW-6B. The only other analyte detected in B-Zone wells were 5.8 µg/l cis-1,2-DCE, 16 µg/l 1,1-Dichloroethane (1,1-DCA), and 6.1 µg/l 1,2-Dichloroethane (1,2-DCA) in well MW-1B.

C-Zone Groundwater

TPHss and gasoline-range hydrocarbon concentrations detected in C-Zone groundwater are lower than those detected in the A-Zone and B-Zone. Well MW-3C contained 79 µg/l TPHd when it was initially sampled in September 2009, but no TPHd has been below detection levels since. Similar trends were observed in well MW-7C and MW-6C.

Consistently low concentrations of PCE, TCE, cis-1,2-DCE, and VC have been detected in groundwater from monitoring well MW-6C, located beyond the southwest corner of the facility; no PCE, TCE, cis-1,2-DCE, and VC have been detected since September 2009. PCE, TCE, and cis-1,2-DCE were detected in January 2004 from C-Zone grab groundwater samples collected from SB-18B (at C-Zone depth) and SB-18C, located approximately 20 feet upgradient of MW-6C. However, more recent groundwater analytic data from well MW-C6 is more representative of current conditions.

No benzene has been detected in any C-Zone monitoring wells, but was detected at a low concentration in a C-Zone grab-groundwater sample from boring SB-18 in 2004.

Low concentrations of HVOCs have historically been detected in well MW-6C, but none were detected during the most recent sampling of that well. No petroleum hydrocarbons or HVOCs were detected in C-Zone samples from the March 2011 sampling event.

Groundwater data from the three inferred zones during the most recent monitoring and sampling event are presented on Figures 8, 9 and 10. Grab-groundwater analytic results from the April 2011 sampling of SB-29 through SB-31 are presented on Figure 11. Concentration vs. Time graphs and Concentration vs. Distance graphs are included in Appendix C.

3.4 CHEMICAL DISTRIBUTION IN SOIL VAPORS

The highest vapor phase analyte concentrations detected were >1,900,000 ug/m^3 Stoddard solvent-range and 14,000,000 micrograms per meter cubed (ug/m^3) gasoline-range hydrocarbons at 3 to 5 fbg at VW-1, adjacent to UST #5 which was abandoned in place between the southeastern and eastern buildings (Figure 2). Additional elevated vapor phase concentrations were detected beneath the site in areas of former chemical storage and suspected dry cleaning operations. Shallow soil vapor data from the September and December 2009 sampling events are shown on Figure 12 and presented in Table 8.

Sub-slab vapor probes were installed beneath the foundations of the four onsite buildings to investigate conditions for potential vapor intrusion into the buildings. Only one of the nine sub-slab sample locations contained analytes at concentrations exceeding the established ESL. That location was at the approximate center of 1167 65th Street and only the ESL for PCE was exceeded (9,700 detected vs. an ESL of 1,400). Sub-slab vapor data is presented in Figure 13 and on Table 9.

4.0 FIRST 2011 SEMI-ANNUAL GROUNDWATER MONITORING & SAMPLING

On March 28-29, 2011, Muskan Environmental Sampling (MES) measured groundwater levels in all 17 monitoring wells and collected groundwater samples from wells MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW-3C, MW-4A, MW-6A, MW-6B, MW-7A, MW-7B, and MW-7C. As discussed in a phone conversation with Ms. Barbara Jakub of ACEH, and confirmed in an email dated September 22, 2010, the "expanded analyte list" implemented during the Third Quarter 2009 event was eliminated from future sampling events. The First 2011 Semi-Annual scope of work was modified as follows:

- TPHd, TPHg, TPHmo, TPHss, and BTEX were analyzed in groundwater samples collected from monitoring wells MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW3-C, MW-4A, MW-6A, MW-6B, MW-7A, MW-7B, and MW-7C.
- HVOCs were analyzed in groundwater samples collected from monitoring wells MW-1A, MW-1B, MW-3A, MW-3B, MW-3C, MW-6A, MW-6B, MW-7B and MW-7C.
- Bio-attenuation parameter analyses were removed.
- Oxygen isotope analyses were removed.

MES gauged and recorded depth to groundwater measurements to the nearest 0.01-foot, relative to a previously established reference elevation using an electric well sounder. The groundwater level measurement data are summarized in Table 4.

MES collected groundwater samples from wells MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW-3C, MW-4A, MW-6A, MW-6B, MW-7A, MW-7B, and MW-7C. Prior to sampling, MES purged each well by lowering the intake tube of a clean peristaltic pump to approximately 1 foot below the initial water level. Depth to groundwater was re-measured prior to low-flow purging, during purging, at the termination of purging, and immediately prior to sample collection. Temperature, pH, specific conductance, oxygen reduction potential (ORP) and dissolved oxygen (DO) were measured initially and at regular volume intervals. Well purging continued until pH, specific conductance and temperature measurements were relatively stable. Groundwater samples were collected from each well using a clean peristaltic pump. The samples were collected in 40-milliliter (mL) glass volatile organic analysis (VOA) vials and 1-liter amber glass containers supplied by McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. Sample containers were labeled, sealed in a plastic bag, and placed on ice in a chilled cooler. Groundwater samples were analyzed for TPHd, TPHg, TPHmo and TPHss using modified EPA Method SW8015Bm. Additionally, EPA Method SW8260B analyzed samples for EPA Method 8010 basic target list of HVOCs. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis.

Figures 8, 9, and 10 document results of these analyses. Conditions encountered during the March 28-29, 2011 sampling are shown below.

Groundwater Flow Direction	Southeast
Hydraulic Gradient	0.013
Depth to Water Range	4.73-5.57 ft

Is Free Product Present on site	Not currently
Current Remediation Techniques	Natural Attenuation

5.0 HYDROCARBON & HVOC SOURCE AND REMEDIATION STATUS

The identified contaminant sources are former solvent USTs 1-4, solvent UST 5 (abandoned in place), former solvent UST 6, a former gasoline UST and a former heating oil UST. USTs 1-4 were located along the southern property boundary, adjacent to Peabody Lane. USTs 5 and 6 were located in a breezeway area between the two easternmost buildings. The gasoline UST was located in the southeast corner of the property and the heating oil UST was located beneath the sidewalk along 65th Street. The locations of all former USTs are illustrated on Figure 2.

Other areas beneath the site suggest non-point specific sources. The site historically operated as a dry cleaning facility, but information regarding facility layout and chemical handling and disposal are not known. An area located near the center of the property at the apparent termination of solvent product lines appears to be a source area based on soil, groundwater and vapor sampling data. Another area located within the building at 1167 65th Street has the appearance of a floor drain. However investigation of this structure has shown that no drain pipe is currently present, nor was apparently ever installed, below the core through the concrete foundation to the soils below. Soil, groundwater and vapor samples indicate this area to be impacted with solvent chemicals associated with historical dry cleaning operations.

The gasoline UST was removed in 1982 and the heating oil tank was removed in 1998. Five of the six solvent USTs were removed in February 2002, with the sixth tank being abandoned in place with cement slurry. No records were located regarding residual hydrocarbons in soil beneath the former gasoline UST. Sample analysis from the 1998 UST removal indicated no residual hydrocarbons after excavation of approximately 18 cu yards of soil. Soil samples collected at 12 fbg from beneath the four exterior USTs, removed in 2002, contained up to 2,900 mg/kg TPHg, 1,500 mg/kg TPH as naphtha (TPHn), 390 mg/kg TPHd, and 1,800 mg/kg TPHss. Residual hydrocarbons beneath the two interior USTs (one removed, one abandoned in place) ranged up to 26,000 mg/kg TPHg, 12,000 mg/kg TPHn, 1,800 mg/kg TPHd, and 17,000 mg/kg TPHss.

5.1 RELEASE SOURCE AND VOLUME

No documentation of historical operations has been located and apparently does not exist. Therefore, no reliable records of releases or spills of dry cleaning chemicals or any other substance were located. Soil, groundwater and vapor sample analyses are the only indications specific chemicals released into the environment.

5.2 STEPS TAKEN TO STOP RELEASE

Records indicate that dry cleaning operations ceased in 1978, and all dry cleaning machinery was removed from the site by 1979. The gasoline UST was removed in 1982, the heating oil UST was removed in 1998 and the solvent USTs were removed (with one abandoned in place) in 2002. Limited over excavation was documented beneath the 1998 heating oil UST removal and the 2002 solvent UST removals.

6.0 AREA WELL, CONDUIT AND SENSITIVE RECEPTOR SURVEY

6.1 AREA WELL AND SENSITIVE RECEPTOR SURVEY

In 2004, Cambria conducted a sensitive receptor survey for beneficial use wells (e.g., municipal supply, domestic, irrigation, etc.) and surface water bodies within ½-mile of the site. While several environmental monitoring wells were located during the survey, Cambria did not locate any surface water bodies or beneficial use wells within ½-mile of the site. It is very unlikely that any new wells have been installed within ½-mile of the subject site in the last seven years. A copy of the 2004 Cambria Table 1 - Well Survey Summary is included as Appendix D

6.2 ONSITE UTILITY CONDUIT STUDY

ACEH requested investigation of potential vapor intrusion into the onsite buildings after soil vapors were reported in the February 25, 2010 *Additional Site Characterization Report*. Shallow soil vapor samples were collected from vapor probes installed between 3 and 5 fbg beneath the site and offsite along Peabody Lane. Of specific concern was potential preferential vapor migration through utility trench backfill beneath the slab foundation.

CRA conducted a utility conduit study within and between the four onsite buildings using visual, radio frequency induction and electromagnetic sweeps to locate shallow utility trenches beneath the concrete slab foundation. Visual inspections confirmed that electrical, gas, water, and communication lines enter the buildings from above ground. The conduit study identified the previously defined product piping, storm drain and sanitary sewer lines in the breezeways between the buildings, undefined piping and nine former piping stub-ups along the eastern end of the building located in the center of the site and sanitary sewer lines from restrooms within 1145 and 1167 65th Street. Restrooms located in the other two buildings are located such that sanitary sewer lines exit immediately from beneath each building and trace across the breezeways between buildings. Shallow utility conduits identified beneath the onsite buildings are shown on Figure 2.

6.3 UTILITY CONDUIT STUDY ALONG PEABODY LANE

Utility clearances were required prior to each investigation along Peabody Lane, adjacent to and south of the property. As confirmation, CRA conducted another comprehensive utility survey along Peabody to confirm the previous findings, and again, no utility conduits were identified beneath the asphalt of Peabody Lane. On the south side of Peabody Lane, a drain line connected to a sump pump runs beneath a building at the rear (north end) of 1164 Ocean Avenue. The drain was identified by a standpipe style cleanout directly adjacent to the building and a feed pipe tracing approximately 2 feet back to a vault box containing a sump pump. Based on its apparent construction, the sump pump appears to be a component of a French drain. All utilities for the houses between Ocean Avenue and Peabody Lane enter/exit the properties from Ocean Avenue. The curve of the cleanout indicates that the line runs beneath the building and out toward Ocean Avenue. Figure 14 shows that no utilities have been identified beneath Peabody Lane.

6.4 UTILITY CONDUIT STUDY ALONG 65TH STREET

Cambria conducted a conduit study along 65th Street to identify utilities that could allow preferential pathways of vapor migration. Utilities beneath 65th Street are identified on Figure 14.

7.0 CONTAMINANT FATE AND TRANSPORT

Dry cleaning operations ceased at the site in 1978, residual fluids were removed from the USTs in September-October 2001 and the USTs were excavated and removed from the site in February 2002. Therefore, other than residual impacted soil, no additional source material has been present beneath the site for the past nine years. Cumulative investigations have suggested that lithology is comprised of laterally discontinuous sediment lenses that inhibit lateral migration of groundwater. Conditions encountered in several borings have suggested that groundwater in the B-Zone and C-Zone may be under partially confined conditions. This condition would inhibit downward vertical migration of groundwater. As stated in section 6.1 above, no municipal, domestic, or irrigation wells were indentified in the vicinity. Therefore, no induced migration of groundwater occurs in the area due to groundwater extraction. These factors have resulted in limited chemical migration since dry cleaning ceased in 1978 and the source areas were removed in 2002.

8.0 EVALUATION OF POTENTIAL RISKS

In the following section, potential exposure pathways are described, evaluated as to whether the pathway is complete, and if a complete exposure pathway exists, site data are compared to ESLs.

8.1 POTENTIAL EXPOSURE ROUTES

Groundwater

No direct exposure pathway to groundwater currently exists at or near the site. No municipal, domestic or irrigation wells have been identified within a ½-mile radius of the site and no groundwater connection to surface water exists. The potential future use of shallow groundwater in the area appears very remote. However, in the event that the site is redeveloped and onsite (or nearby) excavation occurs, dermal contact with impacted groundwater could result in a completed exposure pathway during the process. Additionally, an unlikely risk could exist from volatilization of hydrocarbon vapors from impacted groundwater to outdoor air, if the shallow water table were exposed during subsequent redevelopment.

Soil

Exposure to impacted soil, by means of either dermal contact or particulate (dust) inhalation does not exist under current conditions. Hydrocarbons and HVOCs in

shallow soils beneath the buildings could present a potential risk in the event that the buildings are demolished and the site is redeveloped. Dermal contact could become an exposure pathway during that process.

Vapor

Vapor intrusion from soil and/or groundwater into onsite buildings could pose potential risks to the tenants. Due to the location and reported concentrations of shallow soil vapors, sub-slab probes were installed to analyze vapor concentrations directly below the concrete slab foundations. Vapor concentrations from these probes indicate that minimal vertical migration of soil vapors occurs. Only SSVP-2, located within 1167 65th Street, contained a vapor-phase concentration above the ESL. Details of the sub-slab vapor investigation are described in Section 9 below.

Shallow vapor concentrations from VW-6 through VW-9, located along Peabody Lane, may pose potential risks to downgradient properties. At the request of ACEH, installation of sub-slab vapor probes will be attempted within the building located at 1164 Ocean Avenue to investigate these potential risks. Installation of these probes is dependant upon successful negotiations for access to the property at 1164 Ocean Avenue.

9.0 SUB-SLAB SOIL VAPOR ASSESSMENTAND OFFSITE SOIL BORINGS

The purpose of this part of the investigation was to obtain sub-slab soil vapor data from directly beneath the building foundations due to detections in vapor probes at depths ranging from 3 to 5 fbg. Sub-slab vapor probes SSVP-1 through SSVP-9 were installed from 0.5 to 1.0 feet below the concrete slab foundations. Locations and analytic results of the nine probes are shown on Figure 13.

9.1 VAPOR PROBE INSTALLATIONS

Site Health and Safety Plan

CRA performed all work under the guidelines set forth in the site health and safety plan. The plan was reviewed, signed and followed by all site workers and visitors at all times.

Permits

CRA was advised by Alameda County Department of Public Works that no permit was required to install the nine probes.

Installation and Sampling Dates

CRA installed the sub-slab probes on April 19 and collected soil vapor samples on May 4-5, 2011.

Personnel

Erica Namba, of CRA, supervised the vapor probe installations and Belew Yifru collected soil vapor samples under the supervision of California Professional Geologist Robert Foss, PG No. 7445.

Underground Utility Location

Results of previous shallow utility conduit surveys within the buildings and the use of a hand auger to achieve the shallow total depth of each probe provided sufficient information such that no additional underground utility checks were needed prior to installing the probes.

Drilling Company

CRA contracted Vapor Tech Services (Vapor Tech) of Berkeley, California (C57 #916085) for the soil vapor probe installation.

Sub-Slab Vapor Probe Installation and Construction

The sub-slab vapor probes were installed according to guidance presented in the 2008 document titled, *EPA Standard Operating Procedure for Installation of Sub-Slab Vapor Probes and Sampling Using EPA Method TO-15 to Support Vapor Intrusion Investigations.* A copy of this document is included in Appendix E. Sub-slab vapor probes SSVP-1 through SSVP-9 were installed at locations within the four buildings based on results of a shallow utility conduit study and previously identified contaminant source areas. A rotary hammer drill was used to create a 2-inch diameter by 1-inch deep "outer" core that partially penetrated the concrete slab. A small portable vacuum cleaner was used to remove cuttings from the hole. Removal of cuttings in this manner from the 2-inch diameter core did not compromise soil vapor samples because the core had not penetrated the entire thickness of the concrete slab.

A smaller diameter "inner" core was created utilizing a rotary hammer drill to penetrate the remaining concrete slab and into the sub-slab material to a depth of approximately six inches below the concrete slab.

Sub-slab vapor probes were constructed using stainless-steel tubing and stainless-steel compression fittings. Stainless-steel was used to ensure that construction materials were not a source of VOCs. Quick drying Portland cement slurry was placed into the annular

space between the probe and "outer" hole. The probe was completed flush with the slab surface capped with stainless steel plugs to prevent interference with facility operations.

Waste Disposal
All debris and concrete dust generated from probe installation activities were disposed of properly.

9.2 OFFSITE SOIL BORINGS

On March 18, 2010, CRA recommended drilling additional offsite soil borings concurrent with the vapor investigation to complete definition of chemical migration from the site. This recommendation was approved in an ACEH email, also dated March 18, 2010. Locations of the three offsite soil borings are shown on Figure 7. Details of the offsite soil borings are described below.

Site Health and Safety Plan
The site health and safety plan described in Section 9.1, above, included guidelines for completion and sampling of the soil borings described below.

Permits
CRA obtained the appropriate permits from Alameda County Department of Public Works and the City of Oakland to drill and sample the three soil borings. A copy of each required permit is included in Appendix F.

Installation and Sampling Dates
CRA advanced and sampled the three soil borings on April 19-21, 2011.

Personnel
Erica Namba and Calvin Hee of CRA logged the borehole sediments and collected soil and grab-groundwater samples under the supervision of California Professional Geologist Robert Foss, PG No. 7445.

Underground Utility Location
CRA marked each boring location and notified Underground Services Alert to identify potential obstructing subsurface utilities. Each boring location was additionally cleared by hand augering the borings to 8 fbg, before advancing the borings further by mechanical means.

Drilling Company
CRA contracted Vapor Tech to drill and sample the soil borings.

Soil Boring Drilling and Sampling
The soil borings were advanced using direct push technology to collect a continuous soil column for observation and description. Samples were collected from the acetate core based on visual observation, field PID readings and previous information. Soil borings and sampling were conducted in accordance with CRA's *Standard Field Procedures for Geoprobe Sampling*. A copy of this SOP document is included in Appendix E.

Waste Disposal
Investigation derived waste has been temporarily stored onsite in 55-gallon drums for profiling and proper disposal.

9.3 SAMPLING PROCEDURES

Sub-slab Vapor
On May 4-5, 2011, CRA staff collected sub-slab vapor samples from SSVP-1 through SSVP-9 following guidance provided in the US EPA document titled, *Standard Operating Procedure for Installation of Sub-Slab Vapor Probes and Sampling Using EPA Method TO-15 to Support Vapor Intrusion Investigations*. All samples were labeled, logged on a chain-of-custody, stored at ambient temperature, and shipped to Air Toxics LTD. of Folsom, California for analysis.

Soil
On April 19-21, 2011, soil borings SB-29 through SB-31 were advanced and sampled. Soil samples were collected from the continuous soil core acquired through the use of direct push boring technology. Each sample was cut from the acetate core barrel, covered with Teflon™ tape, capped with polyethylene lids, labeled, entered onto a chain-of-custody form, and placed on ice for delivery to McCampbell Analytical of Pittsburg, CA, a State-certified laboratory. The boring logs showing sediment descriptions, sample depths and PID vapor readings are presented as Appendix B.

Grab-Groundwater
Grab-groundwater samples were collected from discrete depth intervals representing the previously defined A-, B- and C- groundwater zones. Samples were collected by advancing a hydropunch tool to depths within each zone identified from the soil core as being most likely to produce sufficient water for sample collection. At the specific depth, the drill rod was pulled back to expose the screen for sample collection. Upon

recovery at the surface, each sample was placed in laboratory supplied containers, labeled, entered onto a chain-of-custody form and placed on ice for delivery to McCampbell Analytical of Pittsburg, CA, a State-certified laboratory.

10.0 LABORATORY ANALYSES AND RESULTS

10.1 SAMPLE ANALYSES

Vapor samples were analyzed for the following constituents:

- TPHss by EPA Method TO-3 (GC/FID)
- TPHg, BTEX and Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene and Vinyl Chloride by EPA Method TO-15 (GC/MS)
- Oxygen, Carbon Dioxide, Methane and Helium by Modified ASTM D-1945 (GC/FID or GC/TCD)

Soil samples were analyzed for the following constituents:

- TPHg, TPHss and BTEX by EPA Method 8015/8021Bm
- HVOCs (8010 Basic Target List) by EPA Method 8260B

Grab groundwater samples were analyzed for the following constituents:

- TPHg by EPA Method 8015B Modified
- BTEX and methyl tertiary butyl ether (MTBE) by EPA Method 8260B

10.2 ANALYTIC RESULTS

10.2.1 SUB-SLAB VAPOR SAMPLE RESULTS

Analytic results from sub-slab vapor probes suggest minimal vertical migration of vapors. Stoddard solvent was detected in only three of the nine samples (SSVP-2, SSVP-8 and SSVP-9). SSVP-2 is located in 1167 65th Street, and contained 3,800 µg/m^3. SSVP-8 is located in the southern section of 1145 65th Street and contained 780 µg/m^3. SSVP-9 is located in the southeastern building and contained 4,800 µg/m^3. The commercial/industrial land use TPHg and TPH (middle distillates) ESL for shallow soil gas are both 29,000 µg/m^3. Stoddard solvent is considered a middle distillate and

occasionally compared to gasoline, as well. Therefore, Stoddard solvent concentrations in vapor were below ESLs. TPHg was detected only in sample SSVP-9 at a concentration of 2,400 µg/m^3, which is below the 29,000 µg/m^3 ESL.

PCE exceeded the commercial/industrial shallow gas ESL of 1,400 µg/m^3 only in SSVP-2 which contained 9,700 µg/m^3. The highest TCE concentration detected was 180 µg/m^3, well below the ESL of 4,100 µg/m^3. No benzene or other HVOCs were detected.

The leak check gas helium was detected in samples SSVP-1, SSVP-4 and SSVP-9 at 0.69, 1.3 and 0.43 percent, respectively, within data quality objectives.

Sub-slab vapor probe sampling analytic results are included in Table 9 and on Figure 13. The laboratory reports of vapor sample analyses are included in Appendix G.

10.2.2 SOIL SAMPLE RESULTS

No TPHss, TPHg, TPHd, TPHmo, or BTEX were detected in soil from SB-29. No TPHss, TPHg, TPHmo, or BTEX were detected in soil from SB-30. TPHd was detected in samples SB-30-12 and SB-30-20 slightly above the reporting limit at 1.2 and 1.1 mg/kg, respectively. Laboratory notes associated with these samples stated that no recognizable diesel pattern was present, but it was not suggestive of Stoddard solvent either. Both SB-29 and SB-30 are located along Ocean Avenue.

Soil samples from SB-31 contained up to 130 mg/kg TPHss and 73 mg/kg TPHg at 12 fbg. TPHss decreased to 85 mg/kg at 16 fbg and was below the reporting limit at 24 fbg. TPHg decreased to 49 mg/kg at 16 fbg and was below the reporting limit at 24 fbg.

TCE was detected at 0.061 mg/kg at 16 fbg in SB-29 and decreased to 0.012 mg/kg at 32 fbg. SB-30 contained TCE ranging from 0.0062 mg/kg at 20 fbg to 0.036 mg/kg at 32 fbg. No TCE was reported in soil samples from SB-31.

Analytic results for soil samples collected from SB-29 through SB-31 are presented in Tables 2 and 3, and on Figure 7. Soil sample analytic reports are included in Appendix G.

10.2.3 GRAB-GROUNDWATER SAMPLE RESULTS

Collection of grab-groundwater samples was attempted in borings SB-29, SB-30 and SB-31 at discrete depths representing the three inferred groundwater zones. Not all zones in all borings yielded sufficient water flow to collect a sample, despite attempting to collect those samples over a lengthy time period. Results of the available samples are discussed below.

Grab-groundwater samples were collected from boring SB-29 in the A- and C-Zones only. Attempts to collect a B-Zone sample were unsuccessful. Neither TPHss nor TPHg were detected in either sample from SB-29. TPHd and TPHmo were both reported in the sample collected at 6 fbg at 230 and 1,900 µg/l, respectively. This sample was collected at 6 fbg because no water flowed from the formation at 8 fbg. No BTEX were detected in sample SB-29-6. The SB-29 C-zone sample was collected at 32 fbg and contained no hydrocarbons.

Boring B-30 produced grab-groundwater samples from all three inferred zones. No TPHss, TPHg or BTEX were present in the three samples collected at 4.5, 13 and 32 fbg. Only TPHd and TPHmo were reported at concentrations of 74 and 680 µg/l, respectively, in the inferred A-zone sample, collected from 4.5 fbg.

Grab-groundwater samples were collected from SB-31 at 8 fbg and at 22 fbg. The shallow sample contained 7,100 µg/l TPHss, 5,000 µg/l TPHg, 31,000 µg/l TPHd and 3,100 µg/l TPHmo. Concentrations decreased in the 22 fbg sample to 6,100 µg/l TPHss, 4,400 µg/l TPHg, 26,000 µg/l TPHd and <1,300 µg/l TPHmo. No BTEX were detected in either of these grab-groundwater samples.

TCE was detected at 27 µg/l in the C-zone sample of SB-29, collected at 32 fbg. TCE was reported in all three samples from boring SB-30 at 57 µg/l in the A-zone sample at 4.5 fbg, 1,200 µg/l in the B-zone sample at 13 fbg and 320 µg/l in the C-zone sample at 32 fbg. No HVOCs were present in grab-groundwater samples collected from boring SB-31. Sample SB-30-4.5 also contained 4.6 µg/l cis-1,2-Dichloroethene and 2.3 µg/l vinyl chloride. Grab-groundwater samples from SB-31 at 8 and 22 fbg contained no HVOCs above the laboratory reporting limits.

Analytic results of grab-groundwater samples from borings SB-29 through SB-31 are illustrated on Figure 11 and are tabulated in Tables 6 and 7. Laboratory reports of grab-groundwater sampling results are included in Appendix G.

11.0 CONCLUSIONS AND RECOMMENDATIONS

11.1 CONCLUSIONS

With respect to the sub-slab vapor investigation, CRA presents the following conclusions:

- Sub-slab vapor samples results from within the onsite buildings indicate that minimal vertical migration of soil vapors occurs as evidenced by a comparison of shallow soil vapor sample results from 3-5 fbg vs. the sub-slab vapor sample results from 0.5-1 fbg.
- Only one sub-slab vapor probe, SSVP-2, contained PCE exceeding the established commercial/industrial land use ESL of 1,400 µg/m^3 at a concentration of 9,700 µg/m^3. This probe is located in the center of the building identified as 1167 65th Street, the area where the historical dry cleaning operations are thought to have been.
- SSVP-9 is located approximately 10 feet north of the UST abandoned in place (UST #5). Reported concentrations of TPHss, TPHg, PCE and TCE from SSVP-9 are likely the result of residual subsurface hydrocarbons and VOCs associated with the tank. Reported concentrations of these four constituents are all well below their respective ESLs.
- Very few shallow utility conduits were identified beneath the building foundations and there appears to be no evidence that preferential vapor migration may be occurring through them.

With respect to the offsite soil boring and sampling investigation, CRA presents the following conclusions:

- Soil samples analyzed from boring SB-30 along Ocean Avenue contained diesel-range hydrocarbons at concentrations just above the reporting limit of 1.0 mg/kg at 12 and 20 fbg. However, these samples were noted by the laboratory as not resembling diesel. No Stoddard solvent or gasoline-range hydrocarbons were reported from any samples collected along Ocean Avenue. This suggests that Stoddard solvent from the onsite source does not extend in soil to Ocean Avenue.
- TCE concentrations detected in soil from SB-29 were below the residential ESL. These concentrations do not represent an issue of concern and the extent of HVOCs in soil is adequately defined.

- Analytic results of soil samples collected from boring SB-31, located along Peabody Lane, indicate the presence of gasoline-range, Stoddard solvent-range and diesel-range hydrocarbons at depths from 8 fbg to at least 16 fbg, with maximum concentrations of all three in the 12 fbg sample. The concentrations and vertical distribution of these hydrocarbons, compared to hydrocarbons in soil and groundwater between SB-31 and the subject site, and a consideration of the commercial/industrial history of the area may be indicative of a possible alternate source at 1171 or 1177 65th Street or at the north end of 1192 Ocean Avenue.

With respect to the offsite grab-groundwater investigation, CRA presents the following conclusions:

- Shallow grab-groundwater samples collected from SB-29 and SB-30, both located in the parking lane along Ocean Avenue, contained diesel-range and motor oil-range hydrocarbons, yet no Stoddard solvent-range hydrocarbons. The chemical of greatest concern associated with the subject site is Stoddard solvent. The presence of diesel and motor oil-range hydrocarbons and the absence of Stoddard solvent may indicate that these contaminants originated from somewhere other than the subject site, possibly from infiltration of surface water.
- Grab-groundwater samples collected along Ocean Avenue from SB-29 contained TCE in the C-Zone and samples from SB-30 contained TCE in all three samples. No historical TCE analyses of groundwater samples from wells or borings associated with the site have reported concentrations as high as SB-30-13 at 1,200 µg/l.
- Concentrations of Stoddard solvent-range, gasoline-range, diesel-range and motor oil-range hydrocarbons in the two groundwater samples collected from beneath Peabody Lane in SB-31, approximately 170 feet west of the site, are greater than any groundwater samples collected and analyzed on or nearby the site in any of the three groundwater zones. Hydrocarbon compounds such as Stoddard solvent tend to sorb to soils as they migrate in groundwater, thereby decreasing in concentration with distance from the source. The concentrations reported in SB-31 grab-groundwater samples suggest that an alternate source of these hydrocarbons may exist in the area nearby SB-31.

11.2 RECOMMENDATIONS

Based on data presented above, and the relationship of these data to historical soil and groundwater analytic results, CRA presents the following recommendations.

- Fully review the Geotracker website for nearby cases, both open and closed, that may represent alternate sources of hydrocarbon/VOC impacts to soil and groundwater encountered during the recent investigation.
- Review Sanborn Insurance Maps for historical activities and developments at other sites in the vicinity.
- Report the results of these data reviews to ACEH for further actions, if warranted.

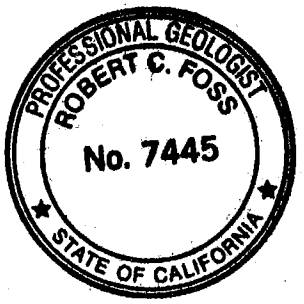
Based on analytical results of sub-slab soil vapor data CRA presents the following recommendation.

- Collect a second sample from SSVP-2 to confirm the reported PCE concentration of the May 4-5, 2011 sampling.
- Upon receipt of the confirmation sample of SSVP-2, evaluate the need for any potential additional actions.

Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Calvin Hee

Robert Foss



Robert Foss, P.G,

To the best of my knowledge, I have no argument or disagreement with the contents of this workplan.

Nady Trust U/D/T dated 1/21/1997

John Nady, trustee

FIGURES

12/19/02

H:\SB-2004\NADY\FIGURES\VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

1137 - 1167 65th Street

Oakland, California

LEGEND

- Sub-slab vapor probe location
- Monitoring well location
- Soil boring location
- Cambria soil boring location
- Vapor probe location
- SCI soil sample location
- Former tank location
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line
- Undefined piping

N

0 20 50ft

65TH STREET

1137 65TH STREET

1145 65TH STREET

1171 65TH STREET

1177 65TH STREET

1167 65TH STREET

SB-19A

MW-4A

SB-1

MW-4B

MW-4C

SB-25C

SB-25A

former heating oil tank location

restroom

restrooms

SSVP-7

MW-5B

upstairs restroom

SSVP-8

VW-2

MW-3B

SB-2

SB-23

restroom

SSVP-6

potential historical stub-ups

core hole

floor drain

cleanout

SB-22A/C

VW-3

SSVP-1

SB-21A

MW-7A

MW-7C

MW-7B

SB-8

MW-3A

MW-3C

SB-13

SSVP-9

SB-24

SB-11

former gasoline UST and pump location

SB-3

MW-2A

SB-4

SB-12A

restroom

SB-9

SSVP-4

former tank location

SSVP-2

product piping

VW-1

restroom

filled in place tank location

SB-26A

VW-5

Exterior tank area

SB-10

SSVP-5

SB-14C

SB-14A

CPT-MIP-2

CPT-MIP-1

restroom

CPT-MIP-5

CPT-MIP-6

SB-5

CPT-MIP-3

CPT-MIP-4

VW-6

residence

VW-4

SSVP-3

parking lot

SB-18A

SB-18B/C

SB-6

MW-1B

MW-1A

MW-1C

SB-15A

car port

CPT-MIP-7

VW-7

CPT-MIP-10

CPT-MIP-11

CPT-MIP-12

SB-7

CPT-MIP-8

SB-17A/C

SB-17B

VW-8

Day Care

SB-26

MW-6A

CPT-MIP-9

shed

CPT-MIP-13

MW-6C

MW-6B

vacant lot

residence

CPT-MIP-14

VW-9

CPT-MIP-15

SB-20A/C

MARSHALL STREET

PEABODY LANE

SB-31

shed

residence

residence

residence

1164 OCEAN AVENUE

residence

residence

residence

residence

residence

residence

1192 OCEAN AVENUE

residence

residence

SB-27

SB-28

SB-29

SB-30

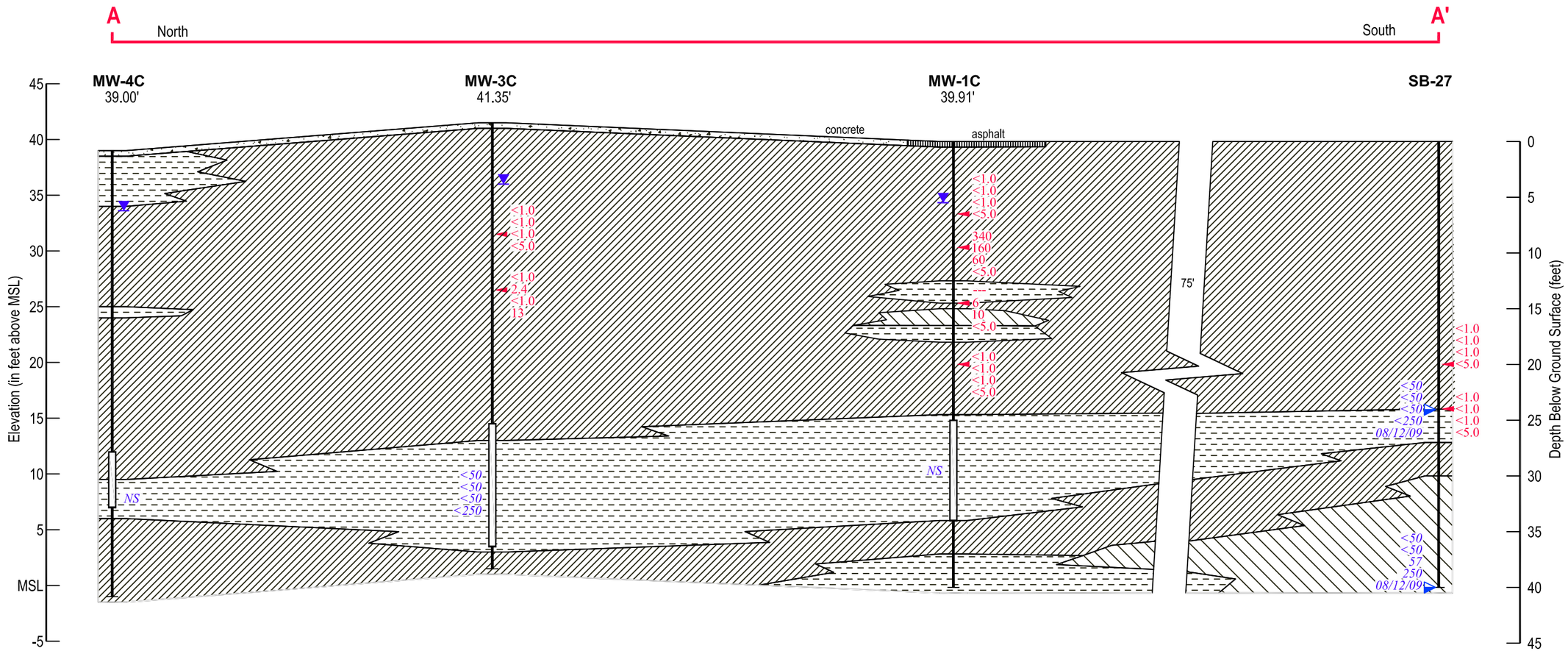
VALLEJO STREET

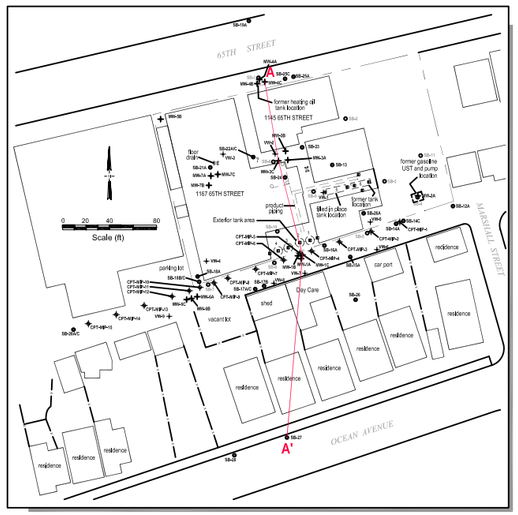
OCEAN AVENUE

Figure 2

EXTENDED SITE PLAN
1137 - 1167 65th STREET
Oakland, California

521000-2011(015)GN-EM002 JUN 14/2011





EXPLANATION

= Low Permeability Soils (> 70% Fines)

= Moderate Permeability Soils (Fines between 70% and 30%)

= High Permeability Soils (< 30% Fines)

Approximate sample location

TPHss, TPHg, TPHd, TPHmo — Concentrations in Soil, in parts per million

Well ID — Well Designation
Elev. — Top of Casing Elevation

Monitoring Well

Well Screen Interval

Bottom of boring

Depth to groundwater (03/28-29/11)

Grab groundwater sample location

TPHss, TPHg, TPHd, TPHmo — Concentrations in Groundwater, in parts per billion

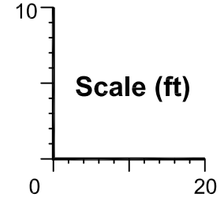
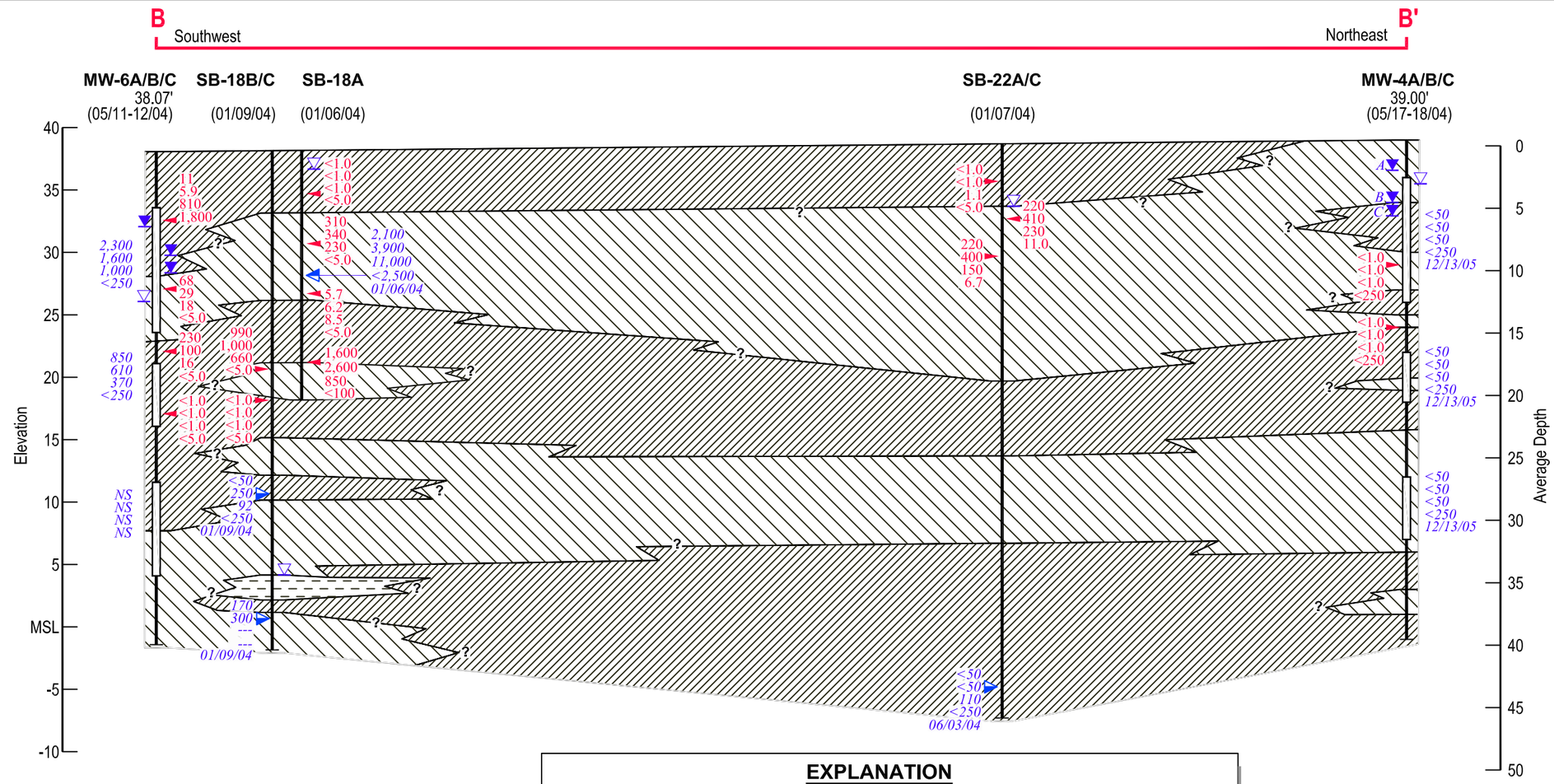
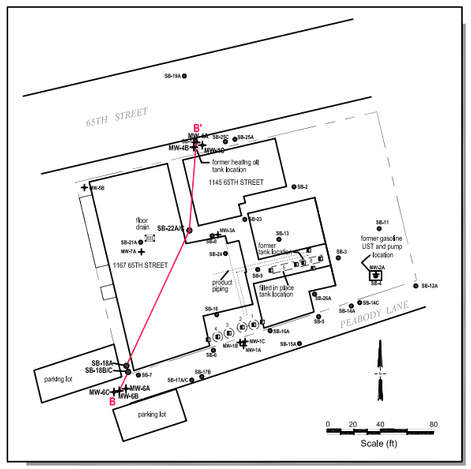


Figure 3

GEOLOGIC CROSS SECTION A-A'
1137 - 1167 65th STREET
Oakland, California





EXPLANATION

= Low Permeability Soils (> 70% Fines)

= Moderate Permeability Soils (Fines between 70% and 30%)

= High Permeability Soils (< 30% Fines)

Approximate sample location

TPHss, TPHg, TPHd, TPHmo — Concentrations in Soil, in parts per million

VOC's — listed in Table 3

Well ID — Well Designation

Elev. — Top of Casing Elevation

Monitoring Well

Well Screen Interval

Bottom of boring

Depth to groundwater (03/28-29/11)

Grab groundwater sample location

TPHss, TPHg, TPHd, TPHmo — Concentrations in Groundwater, in parts per billion

VOC's — listed in Tables 4,5 and 7

10
Scale (ft)
0
20

Figure 4

GEOLOGIC CROSS SECTION B-B'
1137 - 1167 65th STREET
Oakland, California

521000_2011(015)GN EM003 JUN 15/2011

C Northwest — Southeast C'

MW-5B
39.45'
(05/18/04)

SB-22A/C
(01/07/04)

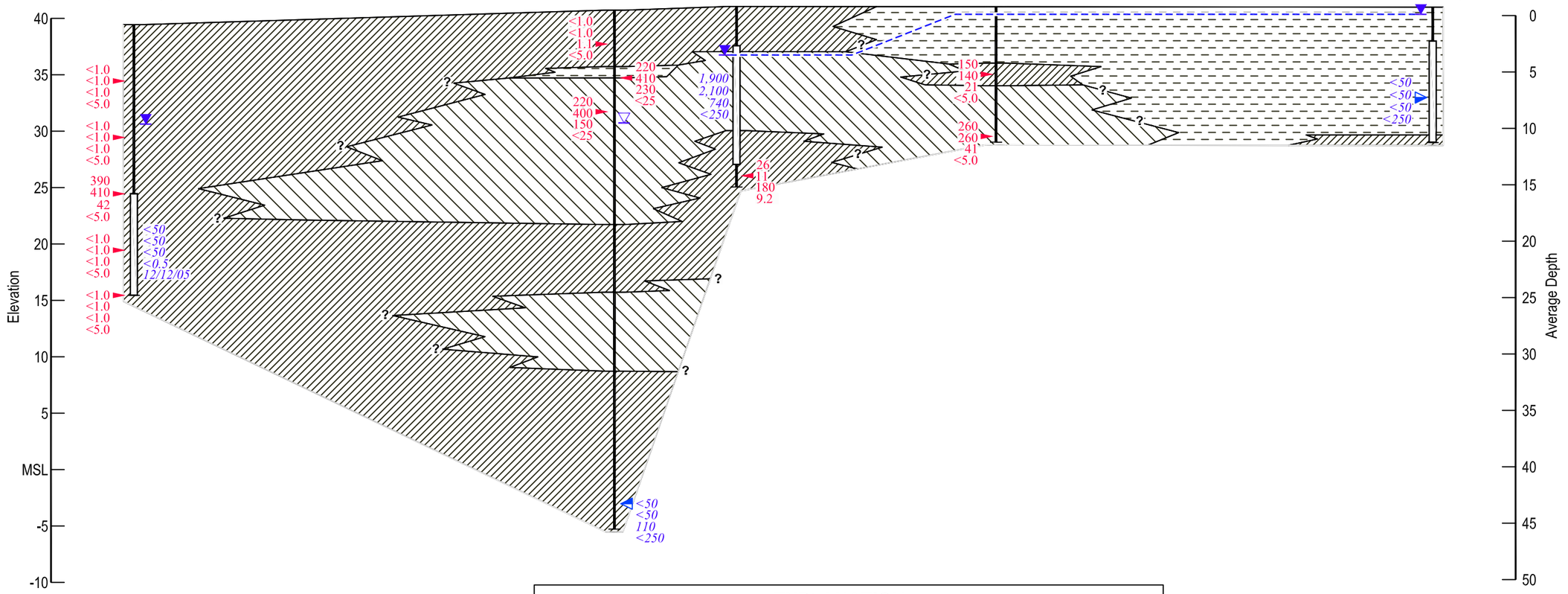
MW-3A
41.05'
(05/07/04)

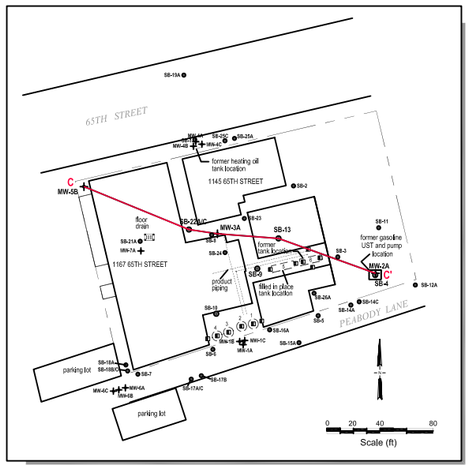
SB-13
(01/05/04)

MW-2A
40.99'
(05/11/04)

Elevation: 40, 35, 30, 25, 20, 15, 10, 5, MSL, -5, -10

Average Depth: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50





EXPLANATION

= Low Permeability Soils (> 70% Fines)

= Moderate Permeability Soils (Fines between 70% and 30%)

= High Permeability Soils (< 30% Fines)

Approximate sample location

TPHss, TPHg, TPHd, TPHmo — Concentrations in Soil, in parts per million

VOC's — listed in Table 3

Well ID — Well Designation
Elev. — Top of Casing Elevation

Monitoring Well

Well Screen Interval

Bottom of boring

Depth to groundwater (03/28-29/11)

Grab groundwater sample location

TPHss, TPHg, TPHd, TPHmo — Concentrations in Groundwater, in parts per billion

VOC's — listed in Tables 4,5 and 7

10
Scale (ft)
0 20

Figure 5

GEOLOGIC CROSS SECTION B-B'
1137 - 1167 65th STREET
Oakland, California

521000_2011(015)GN EM003 JUN 15/2011

Figure 6

STODDARD SOLVENT
CONCENTRATIONS IN SOIL
1137 - 1167 65th STREET
Oakland, California

521000_2011(015)GN EM006 JUN 13/2011

LEGEND

- Sub-slab vapor probe location
- Monitoring well location
- Soil boring location
- Cambria soil boring location
- Vapor probe location
- SCI soil sample location
- Former tank location
- Product piping
- Product piping stub-ups

BORING	Soil Boring Designation
DEPTH	Sample Depth
TPHSS	Chemical concentrations in groundwater in µg/L (April 2011)
TPHG	
TPHD	
TPHMO	
TCE	

65TH STREET

PEABODY LANE

VALLEJO

OCEAN AVENUE

MARSHALL STREET

1137 65TH STREET

1145 65TH STREET

1167 65TH STREET

1171 65TH STREET

1177 65TH STREET

1164 OCEAN AVENUE

MW-4A, SB-1, MW-4B, MW-4C, SB-25C, SB-25A, former heating oil tank location, restroom, restrooms, SSVP-7, MW-5B, upstairs restroom, SB-2, SSVP-8, VW-2, MW-3B, SB-23, SB-22A/C, VW-3, SSVP-1, SB-8, MW-3A, SB-21A, MW-7A, MW-7C, MW-3C, SB-24, MW-7B, restroom, SSVP-6, potential historical stub-ups, SB-11, SB-13, SSVP-9, former gasoline UST and pump location, SB-3, SB-9, VW-1, SSVP-4, former tank location, MW-2A, SB-4, SB-12A, SSVP-2, product piping, restroom, filled in place tank location, SB-26A, VW-5, SB-14C, SB-14A, Exterior tank area, SB-10, SSVP-5, SB-5, restroom, SB-16A, VW-6, residence, VW-4, SSVP-3, SB-6, MW-1B, MW-1A, MW-1C, SB-15A, car port, parking lot, SB-18A, SB-18B/C, VW-7, SB-17A/C, SB-17B, VW-8, SB-7, Day Care, SB-26, MW-6A, MW-6C, MW-6B, shed, VW-9, vacant lot, SB-20A/C, residence, residence, residence, residence, residence, residence, shed, residence, residence, SB-27, SB-28

0 20 40ft

SB-31				
DEPTH	8.0'	12.0'	16.0'	24.0'
TPHSS	2.4	130	85	<1.0
TPHG	1.8	73	49	<1.0
TPHD	3.6	58	21	<1.0
TPHMO	<5.0	<5.0	<5.0	<5.0
XYLENES	<0.005	0.12	0.074	<0.005
TCE	<0.005	<0.005	<0.005	<0.005

SB-30			
DEPTH	12.0'	20.0'	32.0'
TPHSS	<1.0	<1.0	<1.0
TPHG	<1.0	<1.0	<1.0
TPHD	1.2	1.1	<1.0
TPHMO	<5.0	<5.0	<5.0
XYLENES	<0.005	<0.005	<0.005
TCE	0.0075	0.0062	0.036

SB-29				
DEPTH	8.0'	16.0'	24.0'	32.0'
TPHSS	<1.0	<1.0	<1.0	<1.0
TPHG	<1.0	<1.0	<1.0	<1.0
TPHD	<1.0	<1.0	<1.0	<1.0
TPHMO	<5.0	<5.0	<5.0	<5.0
XYLENES	<0.005	<0.005	<0.005	<0.005
TCE	0.0084	0.061	0.0074	0.012

Figure 7

SOIL SAMPLE ANALYTICAL RESULTS
1137 - 1167 65th STREET
Oakland, California
April 2011

521000_2011(007)GN EM011 JUN 13/2011

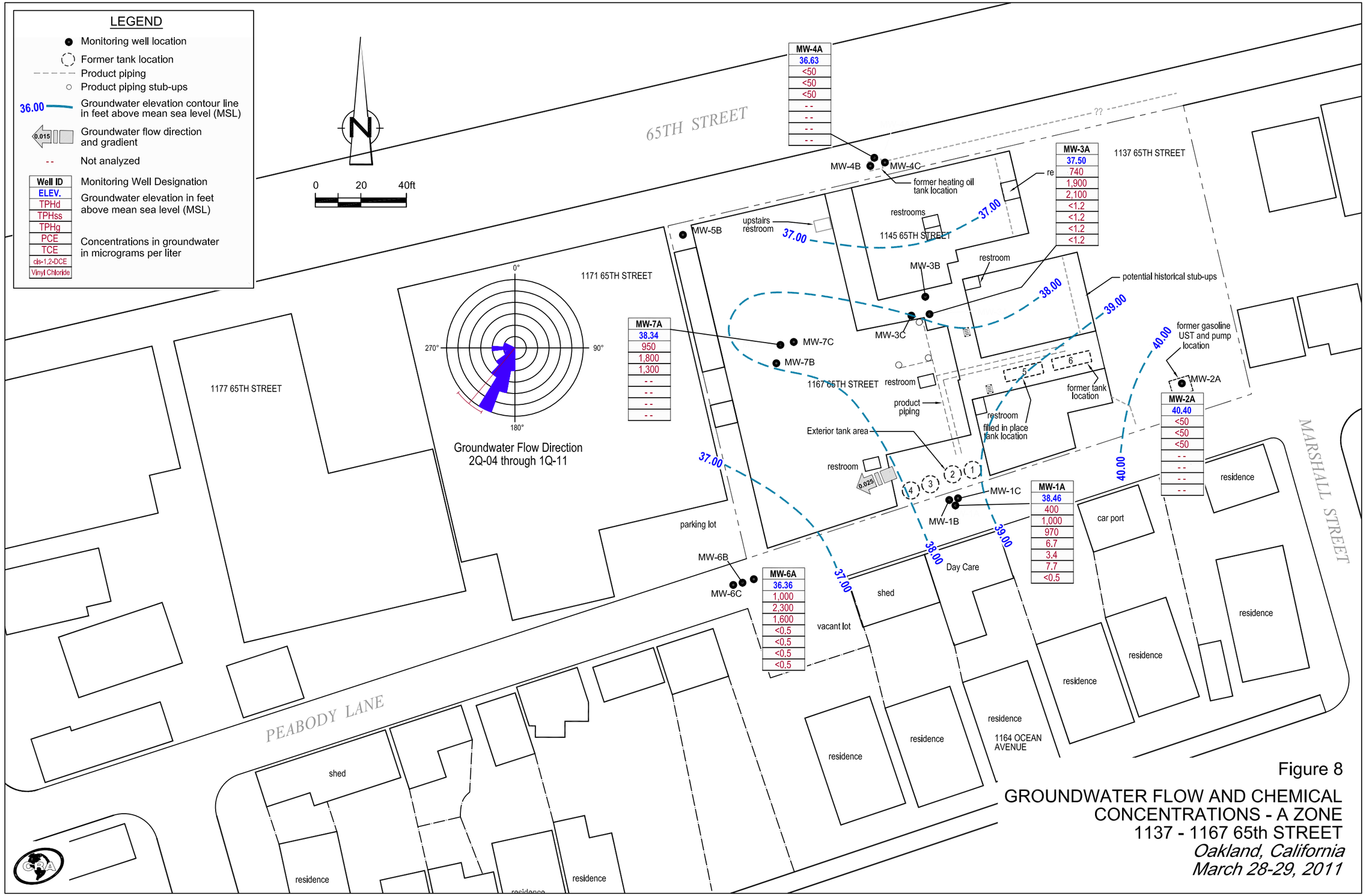


Figure 8

GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - A ZONE
1137 - 1167 65th STREET
Oakland, California
March 28-29, 2011

521000-2011(015)GN-EM008 JUN 14/2011

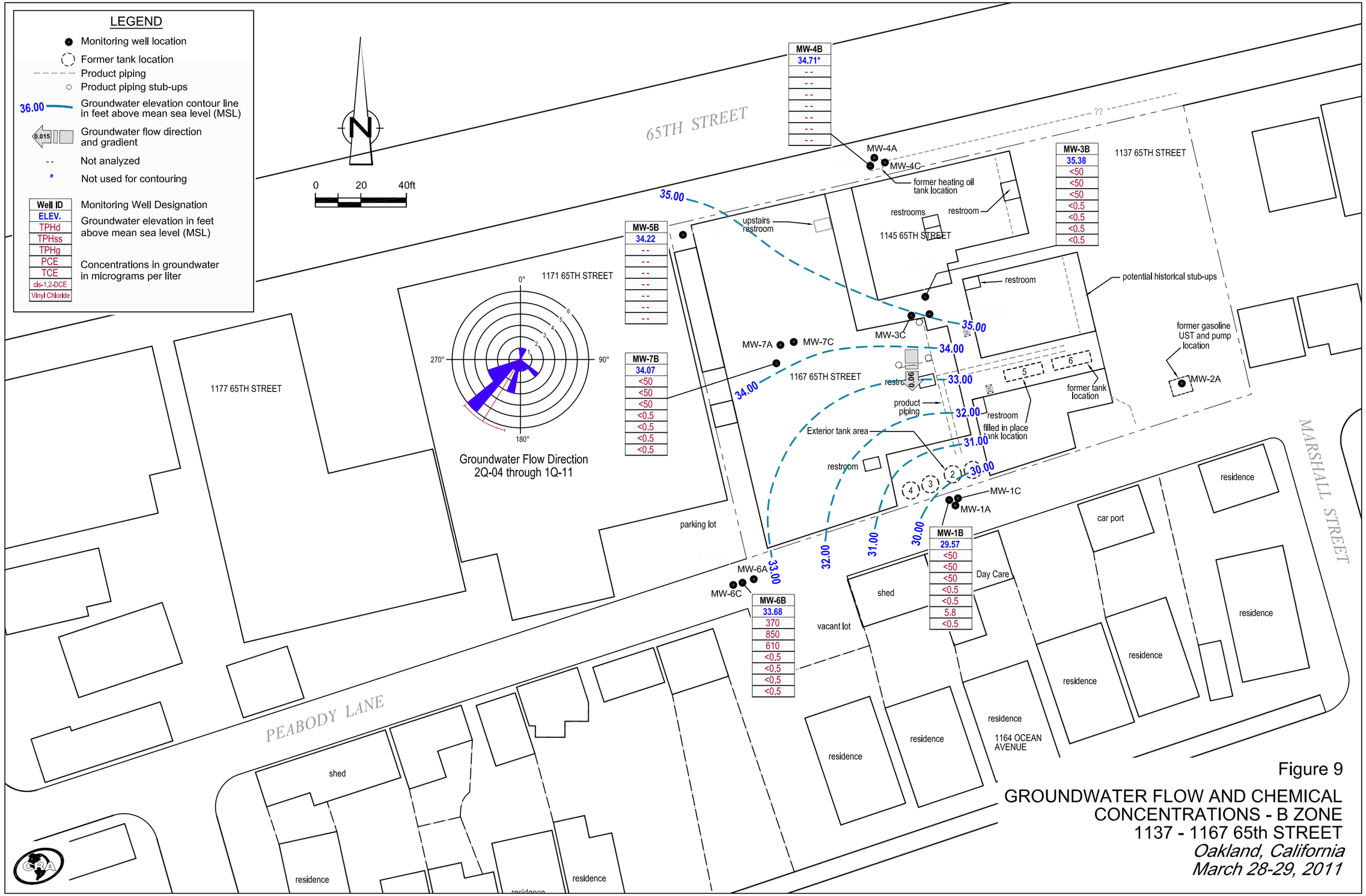


Figure 9

GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - B ZONE
1137 - 1167 65th STREET
Oakland, California
March 28-29, 2011

521000-2011(015)GN-EM009 JUN 14/2011

LEGEND

- Monitoring well location
- Former tank location
- Product piping
- Product piping stub-ups
- 36.00 — Groundwater elevation contour line in feet above mean sea level (MSL)
- 0.015 — Groundwater flow direction and gradient
- -- Not analyzed
- * Not used for contouring

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
TPHd	Concentrations in groundwater in micrograms per liter
TPHss	
TPHg	
PCE	
TCE	
cis-1,2-DCE	
Vinyl Chloride	

N

0 20 40ft

65TH STREET

PEABODY LANE

MARSHALL STREET

1177 65TH STREET

1171 65TH STREET

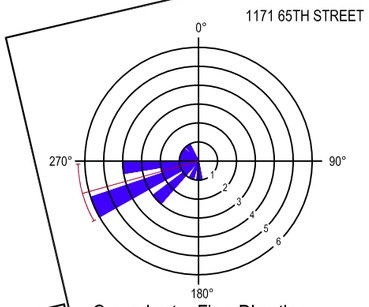
1167 65TH STREET

1145 65TH STREET

1137 65TH STREET

1164 OCEAN AVENUE

MW-7C	
ELEV.	33.57
TPHd	<50
TPHss	<50
TPHg	<50
PCE	<0.5
TCE	<0.5
cis-1,2-DCE	<0.5
Vinyl Chloride	<0.5



Groundwater Flow Direction
2Q-04 through 1Q-11

MW-4C	
ELEV.	33.49
TPHd	--
TPHss	--
TPHg	--
PCE	--
TCE	--
cis-1,2-DCE	--
Vinyl Chloride	--

MW-3C	
ELEV.	35.76*
TPHd	<50
TPHss	<50
TPHg	<50
PCE	<0.5
TCE	<0.5
cis-1,2-DCE	<0.5
Vinyl Chloride	<0.5

MW-1C	
ELEV.	34.43
TPHd	--
TPHss	--
TPHg	--
PCE	--
TCE	--
cis-1,2-DCE	--
Vinyl Chloride	--

MW-6C	
ELEV.	33.62
TPHd	--
TPHss	--
TPHg	--
PCE	--
TCE	--
cis-1,2-DCE	--
Vinyl Chloride	--

33.00 34.00 35.00

MW-4A MW-4B MW-5B MW-3A MW-7A MW-7B MW-2A MW-1B MW-1A MW-6B MW-6A

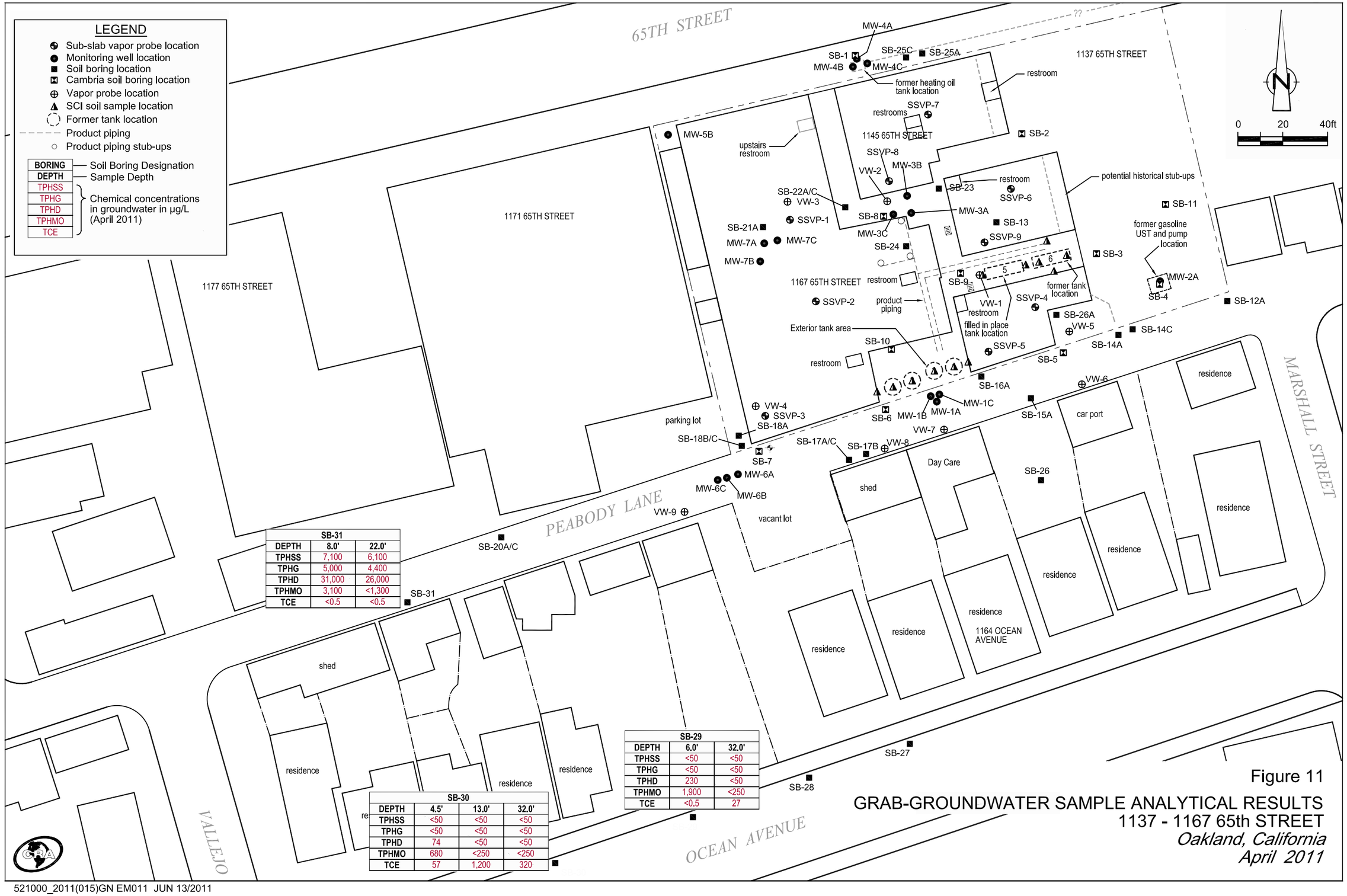
0.03

upstairs restroom
restrooms
restroom
former heating oil tank location
potential historical stub-ups
former gasoline UST and pump location
product piping
Exterior tank area
former tank location
restroom filled in place tank location
parking lot
vacant lot
shed
Day Care
car port
residence
1164 OCEAN AVENUE

Figure 10

GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - C ZONE
1137 - 1167 65th STREET
Oakland, California
March 28-29, 2011

521000-2011(015)GN-EM010 JUN 14/2011



SB-31		
DEPTH	8.0'	22.0'
TPHSS	7,100	6,100
TPHG	5,000	4,400
TPHD	31,000	26,000
TPHMO	3,100	<1,300
TCE	<0.5	<0.5

SB-30			
DEPTH	4.5'	13.0'	32.0'
TPHSS	<50	<50	<50
TPHG	<50	<50	<50
TPHD	74	<50	<50
TPHMO	680	<250	<250
TCE	57	1,200	320

SB-29		
DEPTH	6.0'	32.0'
TPHSS	<50	<50
TPHG	<50	<50
TPHD	230	<50
TPHMO	1,900	<250
TCE	<0.5	27

Figure 11

GRAB-GROUNDWATER SAMPLE ANALYTICAL RESULTS
1137 - 1167 65th STREET
Oakland, California
April 2011

521000_2011(015)GN EM011 JUN 13/2011

LEGEND

- Monitoring well location
- Vapor probe location
- Former tank location
- Product piping
- Product piping stub-ups

Well ID
Date
TPHss
TPHg
Benzene
PCE
TCE
cis-1,2-DCE
Vinyl Chloride

Vapor probe designation

Analyte concentrations are in micrograms per cubic meter ($\mu g/m^3$)

* Refer to analytical data for laboratory note

VW-2	
09/17/09	12/09/09
650,000	---
460,000	---
<50	---
620	---
<84	---
<62	---
<40	---

VW-1	
09/17/09	12/09/09
730,000*	1,900,000*
14,000,000	6,500,000
<3,800	<460
<8,100	<970
<6,400	<770
<4,700	<570
<3,000	<360

VW-5	
09/17/09	12/09/09
1,100,000*	1,200,000*
12,000,000	7,400,000
<1,300	<350
<2,800	<750
<2,200	<590
<1,600	<440
<1,000	<280

VW-3	
09/17/09	12/09/09
1,100,000*	---
12,000,000	6,500,000
<3,800	<81
<8,100	<170
<6,400	<140
<4,700	<100
<3,000	<65

VW-4	
09/17/09	12/09/09
11,000	---
33,000	1,100
<3,9	<3.6
170	100
<6,5	<6,0
<4,8	<4,4
<3.1	<2,9

VW-9	
09/17/09	12/09/09
73,000	---
520,000	---
<36	---
<76	---
<60	---
<44	---
<29	---

VW-8	
09/17/09	12/09/09
21,000	---
100,000	38,000
<38	<7.4
<81	<16
<64	<12
64	46
1,600	1,300

VW-7	
09/17/09	12/09/09
<3,300	---
940	1,800
<4,0	<3.6
13	<7.6
<6,8	<6,0
<5,0	<4,4
<3,2	<2,9

VW-6	
09/17/09	12/09/09
9,300	---
51,000	---
<4,0	---
<8,6	---
<6,8	---
<5,0	---
<3,2	---

65TH STREET
PEABODY LANE
VALLEJO STREET
OCEAN AVENUE
MARSHALL STREET
1171 65TH STREET
1177 65TH STREET
1145 65TH STREET
1137 65TH STREET
1167 65TH STREET
1164 OCEAN AVENUE
1192 OCEAN AVENUE
MW-4A
MW-4B
MW-4C
MW-5B
MW-3B
MW-3A
MW-3C
MW-7A
MW-7C
MW-7B
MW-2A
MW-1B
MW-1A
MW-1C
MW-6A
MW-6C
MW-6B
former heating oil tank location
restrooms
upstairs restroom
restroom
potential historical stub-ups
former gasoline UST and pump location
former tank location
product piping
restroom filled in place tank location
Exterior tank area
parking lot
vacant lot
shed
Day Care
car port
residence
N
0 20 50ft

Figure 12

SHALLOW SOIL VAPOR SAMPLING RESULTS
1137 - 1167 65th STREET
Oakland, California
September 17 and December 9, 2009

521000-2011(015)GN-EM012 JUN 14/2011

LEGEND

- Monitoring well location
- Sub-slab vapor probe location
- Vapor probe location
- Former tank location
- Product piping
- Product piping stub-ups

Well ID
Date
TPHss
TPHg
Benzene
PCE
TCE
cis-1,2-DCE
Vinyl Chloride

Vapor probe designation

Analyte concentrations are in micrograms per cubic meter (µg/m³)

* Refer to analytical data for laboratory note

N

0 20 50ft

SSVP-1
05/05/11
<320
<220
<3.5
230
<5.9
<4.4
<2.8

SSVP-2
05/05/11
3,800
<990
<15
9,700
180
<19
<12

SSVP-3
05/05/11
<340
<240
<3.7
61
<6.3
<4.6
<3.0

SSVP-4
05/05/11
<340
<240
<3.7
13
<6.3
<4.6
<3.0

SSVP-5
05/05/11
<340
<240
<3.7
36
6.2
<4.6
<3.0

SSVP-6
05/04/11
<550
<390
<6.0
18
<10
<7.5
<4.8

SSVP-7
05/04/11
<350
<240
<3.8
170
<6.4
<4.8
<3.1

SSVP-8
05/04/11
780
<250
<3.9
1,000
10
<4.9
<3.1

SSVP-9
05/04/11
4,800
2,400
<3.7
460
8
<4.6
<3.0

65TH STREET
1171 65TH STREET
1177 65TH STREET
1145 65TH STREET
1137 65TH STREET
1167 65TH STREET
1164 OCEAN AVENUE
1192 OCEAN AVENUE
PEABODY LANE
VALLEJO STREET
OCEAN AVENUE
MARSHALL STREET
MW-4A
MW-4B
MW-4C
MW-5B
MW-3B
MW-3A
MW-3C
MW-7A
MW-7C
MW-7B
MW-1A
MW-1B
MW-1C
MW-6A
MW-6C
MW-6B
VW-1
VW-2
VW-3
VW-4
VW-5
VW-6
VW-7
VW-8
VW-9
former heating oil tank location
restrooms
upstairs restroom
restroom
potential historical stub-ups
former gasoline UST and pump location
MW-2A
former tank location
product piping
Exterior tank area
filled in place tank location
parking lot
Day Care
shed
car port
residence
vacant lot

Figure 13

SUB-SLAB VAPOR PROBE ANALYTICAL RESULTS
1137 - 1167 65th STREET
Oakland, California
May 2011

521000-2011(015)GN-EM013 JUN 14/2011

TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date Installed*	*Borehole Depth (ft)*	*Borehole Diameter (inches)*	*Casing Diameter (in)*	*Screen Interval (ft bgs)*	*Screen Size (in)*	*Filter Pack (ft bgs)*	*Bentonite Seal (ft bgs)*	*Cement Seal (ft bgs)*	*TOC Elevation (ft msl)*	*First Water (ft bgs)*
A-Zone Monitoring Wells											
MW-1A	5/10/2004	14.5	8	2	4.5 - 14.5	0.010	3.5 - 14.5	2.5 - 3.5	0 - 2.5	39.64	7.0
MW-2A	5/11/2004	12.0	10	4	3.0 - 12.0	0.020	2.5 - 3.0	1.0 - 2.5	0 - 1.0	40.72	4.5
MW-3A	5/7/2004	16.0	8	2	3.5 - 14.0	0.010	3.0 - 3.5	2.0 - 3.0	0 - 2.0	40.88	4.0
MW-4A	5/18/2004	16.0	8	2	3.0 - 13.0	0.010	2.5 - 13.0	1.5 - 2.5	0 - 1.5	38.71	NA
MW-6A	5/11/2004	14.5	8	2	4.5 - 14.5	0.010	3.5 - 14.5	1.5 - 3.5	0 - 1.5	37.98	12.0
MW-7A	5/7/2004	10.0	6.5	1	5.0 - 10.0	0.010	4.0 - 10.0	3.0 - 4.0	0 - 3.0	40.58	6.0
B-Zone Monitoring Wells											
MW-1B	5/12/2004	20.0	8	2	16.5 - 20.0	0.010	15.5 - 20.0	13.0 - 15.5	0 - 13.0	39.50	7.0
MW-3B	8/17/2009	24.0	5	1	17.0 - 24.0	0.010	15.0 - 24.0	13.0 - 15.0	0 - 13.0	40.62	NA
MW-4B	5/18/2004	24.0	8	2	17.0 - 21.0	0.010	16.0 - 21.0	12.0 - 14.0 21.0 - 24.0	0 - 12.0	38.54	3.5
MW-5B	5/18/2004	24.0	8	2	15.0 - 24.0	0.010	14.0 - 24.0	12.0 - 14.0	0 - 12.0	38.98	NA
MW-6B	5/12/2004	24.5	8	2	17.0 - 22.0	0.010	16.0 - 22.0	14.0 - 16.0 22.0 - 24.5	0 - 14.0	37.66	15.5
MW-7B	8/14/2009	24.0	5	1	17.0 - 24.0	0.010	16.0 - 24.0	14.0 - 16.0	0 - 14.0	40.05	12.0
C-Zone Monitoring Wells											
MW-1C	5/10/2004	40.0	8	2	25.0 - 34.0	0.010	24.0 - 34.0	22.0 - 24.0 34.0 - 40.0	0 - 22.0	39.49	7.0
MW-3C	8/13/2009	40.0	5	1	27.0 - 38.0	0.010	26.0 - 38.0	24.0 - 26.0 38.0 - 40.0	0 - 24.0	41.00	12.0
MW-4C	5/17/2004	40.0	8	2	27.0 - 32.0	0.010	26.0 - 27.0	24.0 - 26.0 32.0 - 40.0	0 - 24.0	38.50	12.0
MW-6C	5/11/2004	39.5	8	2	26.5 - 34.0	0.010	25.5 - 34.0	23.0 - 25.0 34.0 - 39.5	0 - 23.0	37.59	15.0
MW-7C	8/14/2009	35.0	5	1	25.0 - 35.0	0.010	23.0 - 35.0	21.0 - 23.0	0 - 21.0	40.44	12.0

Abbreviations / Notes

ft = feet

in = inches

ft bgs = feet below grade surface

ft msl = feet above mean sea level

TOC = top of casing

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS AND LEAD
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*TPHss*	*TPHd*	*TPHmo*	*TPHnap*	*TPHg*	*Lead*	*Notes*
			←		*mg/kg*	→			
MW-1C @6.5	5/10/2004	6.5	<1.0	<1.0	<5.0	--	<1.0	--	
MW-1C @9.5	5/10/2004	9.5	340	60	<5.0	--	160	--	
MW-1C @14.5	5/10/2004	14.5	--	10	<5.0	--	6	--	
MW-1C @20	5/10/2004	20	<1.0	<1.0	<5.0	--	<1.0	--	
MW-3A @15	5/7/2004	15	26	180	9.2	--	11	--	
MW-3B-5	8/10/2009	5	<1.0	<1.0	<5.0	--	<1.0		
MW-3C-10	8/13/2009	10	<1.0	<1.0	<5.0	--	<1.0		
MW-3C-15	8/13/2009	15	<1.0	2.4	13	--	<1.0		
MW-5B @5	5/18/2004	5	<1.0	<1.0	<5.0	--	<1.0	--	
MW-5B @10	5/18/2004	10	<1.0	<1.0	<5.0	--	<1.0	--	
MW-5B @15	5/18/2004	15	390	42	<5.0	--	410	--	
MW-5B @20	5/18/2004	20	<1.0	<1.0	<5.0	--	<1.0	--	
MW-5B @24	5/18/2004	24	<1.0	<1.0	<5.0	--	<1.0	--	
MW-6C @5.5	5/11/2004	5.5	11	810	1800	--	6	--	
MW-6C @11	5/11/2004	11	68	18	<5.0	--	29	--	
MW-6C @16	5/11/2004	16	230	16	<5.0	--	100	--	
MW-6C @21	5/11/2004	21	<1.0	<1.0	<5.0	--	<1.0	--	
MW-7C-7	8/14/2009	7	360	22	<5.0	--	200		c
MW-7C-8.5	8/14/2009	8.5	590	440	<50	--	330		c
MW-7C-10	8/14/2009	10	140	25	<5.0	--	74		c
SB-1-3.5	11/25/2002	3.5	1.7	170	860	--	2.6a,b	37	
SB-1-7.5	11/25/2002	7.5	<1.0	32	140	--	<1.0	5.8	
SB-2-3.5	11/25/2002	3.5	<1.0	<1.0	<5.0	--	<1.0	3.9	
SB-2-11.5	11/25/2002	11.5	<1.0	<1.0	<5.0	--	<1.0	6.8	

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS AND LEAD
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*TPHss*	*TPHd*	*TPHmo*	*TPHnap*	*TPHg*	*Lead*	*Notes*
			←		*mg/kg*	→			
SB-3-7.5	11/25/2002	7.5	180	20	<5.0	--	190a	<3.0	
SB-3-11.5	11/25/2002	11.5	<1.0	<1.0	<5.0	--	<1.0	9.7	
SB-4-3.5	11/25/2002	3.5	<1.0	<1.0	<5.0	--	<1.0	3.1	
SB-4-7.5	11/25/2002	7.5	<1.0	2.1	15	--	<1.0	21	
SB-4-11.5	11/25/2002	11.5	3.6	4.8	5.9	--	4.0	3.9	
SB-5-7.5	11/25/2002	7.5	1,300	190	5	--	1,200a	4.2	
SB-5-11.5	11/25/2002	11.5	<1.0	<1.0	<5.0	--	<1.0	<3.0	
SB-7-3.5	11/25/2002	3.5	750	250	16	--	810a	8.5	
SB-7-7.5	11/25/2002	7.5	350	79	13	--	380a	6.1	
SB-7-17.5	11/25/2002	17.5	830	470	18	--	890a	6.6	
SB-8-3	11/25/2002	3.0	3,600	2,500	<500	--	3,500a	6.1	
SB-8-6	11/25/2002	6.0	6,600	2,900	<500	--	6,400a	7.5	
SB-8-9	11/25/2002	9.0	380	58	6.3	--	380a	7.5	
SB-9-6	11/25/2002	6.0	9.4	2.8	<5.0	--	9.5a	6.4	
SB-9-9	11/25/2002	9.0	<1.0	<1.0	<5.0	--	<1.0	6.0	
SB-10-3	11/25/2002	3.0	<1.0	<1.0	<5.0	--	<1.0	5.0	
SB-10-6	11/25/2002	6.0	140	70	<5.0	--	140a	6.4	
SB-10-9	11/25/2002	9.0	140	96	<5.0	--	180a	<3.0	
SB-10-12	11/25/2002	12.0	<1.0	<1.0	<5.0	--	<1.0	<3.0	
SB-11-7.5	11/25/2002	7.5	<1.0	<1.0	<5.0	--	<1.0	9.1	
SB-13 @6.0	1/5/2004	6	150	21	<5.0	--	140	--	
SB-13 @11.5	1/5/2004	11.5	260	41	<5.0	--	260	--	
						--		--	
SB-14A @7.5	1/9/2004	7.5	100	64	<5.0	--	210	--	
SB-14A @11.5	1/9/2004	11.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-15A @7.5	1/12/2004	7.5	820	190	9.3	--	1,500	--	

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS AND LEAD
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*TPHss*	*TPHd*	*TPHmo*	*TPHnap*	*TPHg*	*Lead*	*Notes*
			←		*mg/kg*	→			
SB-15A @11.5	1/12/2004	11.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-16A @7.5	1/12/2004	7.5	49	59	<5.0	--	90	--	
SB-16A @11.5	1/12/2004	11.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-17B @3.5	1/8/2004	3.5	<1.0	110	210	--	<1.0	--	
SB-17B @7.5	1/8/2004	7.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-17B @11.5	1/8/2004	11.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-17B @17.0	1/8/2004	17.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-17B @20	1/8/2004	20	<1.0	1	5.5	--	<1.0	--	
SB-18A @3.5	1/6/2004	3.5	<1.0	<1.0	<5.0	--	<1.0	--	
SB-18A @7.5	1/6/2004	7.5	310	230	<50	--	340	--	
SB-18A @11.5	1/6/2004	11.5	6	9	<5.0	--	6	--	
SB-18A @17	1/6/2004	17	1,600	850	<100	--	2,600	--	
SB-18B @17.5	1/6/2004	17.5	990	660	<50	--	1,000	--	
SB-18B @20	1/9/2004	20	<1.0	<1.0	<5.0	--	<1.0	--	
SB-21A @3	1/20/2004	3.0	<1.0	<1.0	<5.0	--	<1.0	--	
SB-21A @6	1/20/2004	6.0	590.0	220.0	<25	--	590.0	--	
SB-21A @9	1/20/2004	9.0	450.0	270.0	<25	--	470.0	--	
SB-22A/C @3	1/7/2004	3.0	<1.0	1.1	<5.0	--	<1.0	--	
SB-22A/C @6	1/7/2004	6.0	220.0	230.0	11.0	--	410.0	--	
SB-22A/C @9	1/7/2004	9.0	220.0	150.0	6.7	--	400.0	--	
SB-23 @3	1/6/2004	3.0	<1.0	<1.0	<5.0	--	<1.0	--	
SB-23 @6	1/6/2004	6.0	<1.0	<1.0	<5.0	--	<1.0	--	
SB-23 @9	1/6/2004	9.0	<1.0	<1.0	<5.0	--	<1.0	--	

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS AND LEAD
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*TPHss*	*TPHd*	*TPHmo*	*TPHnap*	*TPHg*	*Lead*	*Notes*
			←		*mg/kg*	→			
SB-23 @6	1/6/2004	6.0	<1.0	<1.0	<5.0	--	<1.0	--	
SB-23 @9	1/6/2004	9.0	<1.0	<1.0	<5.0	--	<1.0	--	
SB-24 @3	1/5/2004	3.0	1000	1300	<250	--	980	--	
SB-24 @6	1/5/2004	6.0	420	220	8.9	--	430	--	
SB-24 @9	1/5/2004	9.0	43	54	<5.0	-- --	43	-- --	
SB-26A @7.5	1/7/2004	7.5	220	150	6.8	--	240	--	
SB-26A @11.5	1/7/2004	11.5	98	67	<5.0	--	180	--	
SB-26-10	8/12/2009	10	360	78	<5.0	--	220		
SB-26-16	8/12/2009	16	1.4	<1.0	<5.0	--	<1.0		
SB-27-20	8/12/2009	20	<1.0	<1.0	<5.0	--	<1.0		
SB-27-24	8/12/2009	24	<1.0	<1.0	<5.0	--	<1.0		
SB-29-8	**4/21/2011**	**8**	**<1.0**	**<50**	**<250**	**--**	**<1.0**		
SB-29-16	**4/21/2011**	**16**	**<1.0**	**<50**	**<250**	**--**	**<1.0**		
SB-29-24	**4/21/2011**	**24**	**<1.0**	**<50**	**<250**	**--**	**<1.0**		
SB-29-32	**4/21/2011**	**32**	**<1.0**	**<50**	**<250**	**--**	**<1.0**		
SB-30-12	**4/20/2011**	**12**	**<1.0**	**1.2**	**<250**	**--**	**<1.0**		**e**
SB-30-20	**4/20/2011**	**20**	**<1.0**	**1.1**	**<250**	**--**	**<1.0**		**e**
SB-30-32	**4/20/2011**	**32**	**<1.0**	**<50**	**<250**	**--**	**<1.0**		
SB-31-8	**4/19/2011**	**8**	**2.4**	**3.6**	**<250**	**--**	**1.8**		**c, e, f**
SB-31-12	**4/19/2011**	**12**	**130**	**58**	**<250**	**--**	**73**		**d, f**
SB-31-16	**4/19/2011**	**16**	**85**	**21**	**<250**	**--**	**49**		**d, f**
SB-31-24	**4/19/2011**	**24**	**<1.0**	**<50**	**<250**	**--**	**<1.0**		

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS AND LEAD
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*TPHss*	*TPHd*	*TPHmo*	*TPHnap*	*TPHg*	*Lead*	*Notes*
			←		*mg/kg*	→			
Previous SCI Samples									
Tank 1 Bottom	2/25/2002	--	74	69	--	58	110	--	
Tank 2 Bottom	2/25/2002	--	280	34	--	230	440	--	
Tank 3 Bottom	2/25/2002	--	940	220	--	750	1,500	--	
Tank 4 Bottom	2/25/2002	--	1,000	12	--	830	1,600	--	
E End @ 6'	2/26/2002	6.0	1,400	220	--	1,100	2,200	--	
W End @ 6'	2/26/2002	6.0	1,800	390	--	1,500	2,900	--	
Pipe #1	2/26/2002	--	<0.99	68	--	<0.99	<0.99	--	
Pipe #2	2/26/2002	--	<0.95	6.8	--	<0.95	<0.95	--	
Tank 5 E End	2/13/2002	--	11,000	1,000	--	8,400	17,000	--	
Tank 5 W End	2/13/2002	--	8,400	1,800	--	6,200	13,000	--	
Tank 6 N Wall	3/7/2002	2.0	<0.98	53	--	<0.98	<0.98	--	
Tank 6 S Wall	3/7/2002	5.0	270	260	--	140	310	--	
Tank 6 E End	2/13/2002	--	300	670	--	240	470	--	
Tank 6 W End	2/13/2002	--	17,000	1,500	--	12,000	26,000	--	

Abbreviations and Methods:

mg/kg = Milligrams per kilogram
-- = Not sampled or not analyzed.
< n = Not Detected (ND) - Chemical not present at a concentration in excess of detection limit shown
TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015C with silica gel cleanup (C18-C36)
TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015C with silica gel cleanup (C10-C23)
TPHss = Total petroleum hydrocarbons as Stoddard solvent by EPA Method 8021B/8015Cm (C9-C12).
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8021B/8015Cm (C6-C12).
TPHnap = Total petroleum hydrocarbons as naphtha by EPA Method 8015m/8020
Lead by EPA Method 6010C
a = Laboratory note: TPH pattern that does not appear to be derived from gasoline

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS AND LEAD
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*TPHss*	*TPHd*	*TPHmo*	*TPHnap*	*TPHg*	*Lead*	*Notes*
			←		*mg/kg*	→			

b = Laboratory note: heavier gasoline range compounds are significant
c = Laboratory note: TPH pattern that does not appear to be derived from gaslone (stoddard solvent/mineral spirits)
d = strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e = diesel range compounds are significant; no recognizable pattern
f = stoddard solvent/minerial spirit?

TABLE 3

CUMULATIVE SOIL ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	Date Sampled	Depth (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	MTBE	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Isopropylbenzene (Cumene)	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-Butylbenzene	4-Isopropyl Toluene	n-Butylbenzene	Naphthalene	Styrene	Methylene Chloride	Acetone	2-Butanone (MEK)	4-methyl-2-pentanone(MIBK)	Vinyl Chloride	1,2- Dichloropropane	Notes
			ug/kg																							
MW-1C @6.5	5/10/2004	6.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-1C @9.5	5/10/2004	9.5	<0.2	<0.2	<0.2	<0.2		<20	<20	<20	--	--	--	--	--	--	--	--	--	<20	--	--	--	<20	<20	
MW-1C @14.5	5/10/2004	14.5	<5.0	<5.0	<5.0	5.3		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-1C @20	5/10/2004	20	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-3A @15	5/7/2004	15	<5.0	<5.0	<5.0	<5.0		<100	<100	<100	--	--	--	--	--	--	--	--	--	<100	--	--	--	<100	<100	
MW-3B-5	8/10/2009	5	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	Other VOCs ND
MW-3C-10	8/13/2009	10	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	Other VOCs ND
MW-3C-15	8/13/2009	15	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	Other VOCs ND
MW-5B @5	5/18/2004	5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-5B @10	5/18/2004	10	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-5B @15	5/18/2004	15	<100	<100	<100	1400		<20	<20	<20	--	--	--	--	--	--	--	--	--	<20	--	--	--	<20	<20	
MW-5B @20	5/18/2004	20	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-5B @24	5/18/2004	24	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-6C @5.5	5/11/2004	5.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-6C @11	5/11/2004	11	<25	<25	<25	<25		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-6C @16	5/11/2004	16	<50	<50	<50	<50		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-6C @21	5/11/2004	21	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	
MW-7C-7	8/14/2009	7	<170	<170	<170	<170	<1,700	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	Other VOCs ND
MW-7C-8.5	8/14/2009	8.5	<100	<100	<100	1000	<1,000	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	Other VOCs ND
MW-7C-10	8/14/2009	10	<100	<100	<100	<100	<1,000	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0	Other VOCs ND
SB-1-3.5	11/25/2002	3.5	<5.0	37	16	120		44	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	9.6	36	<5.0	<5.0	<50	<10	<5.0	ND		
SB-1-7.5	11/25/2002	7.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	150	<5.0	<5.0	<50	<10	<5.0	ND		
SB-2-3.5	11/25/2002	3.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-2-11.5	11/25/2002	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-3-7.5	11/25/2002	7.5	<100	<100	<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<1,000	<200	<100	ND		
SB-3-11.5	11/25/2002	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-4-3.5	11/25/2002	3.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-4-7.5	11/25/2002	7.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-4-11.5	11/25/2002	11.5	<5.0	<5.0	7.4	11		<5.0	<5.0	<5.0	7.8	33	79	160	9.5	<5.0	<5.0	59	<5.0	<5.0	<50	<10	<5.0	ND		
SB-5-7.5	11/25/2002	7.5	<200	<200	<200	<200		<200	<200	<200	360	970	300	<200	1,700	260	1,600	<200	<200	<200	<2,000	<400	<200	ND		
SB-5-11.5	11/25/2002	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-7-3.5	11/25/2002	3.5	<100	<100	<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	200	<100	<100	<1,000	<200	<100	ND		
SB-7-7.5	11/25/2002	7.5	<100	<100	<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	130	<100	<100	<100	<100	<1,000	<200	<100	ND		
SB-7-17.5	11/25/2002	17.5	<100	<100	<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	470	<100	<100	<100	<100	<1,000	<200	<100	ND		
SB-8-3	11/25/2002	3.0	<500	<500	<500	<500		<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<5,000	<1,000	<500	ND		
SB-8-6	11/25/2002	6.0	<1,000	<1,000	<1,000	<1,000		<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<10,000	<2,000	<1,000	ND		
SB-8-9	11/25/2002	9.0	<100	<100	<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	470	<100	<100	<100	<100	<1,000	<200	<100	ND		
SB-9-6	11/25/2002	6.0	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<20	<10	ND		
SB-9-9	11/25/2002	9.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-10-3	11/25/2002	3.0	<5.0	<5.0	<5.0	<5.0		56	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-10-6	11/25/2002	6.0	<50	<50	<50	<50		<50	<50	<50	<50	100	<50	<50	260	71	260	<50	<50	<50	<500	<100	<50	ND		
SB-10-9	11/25/2002	9.0	<500	<500	<500	<500		<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<5,000	<1,000	<500	ND		
SB-10-12	11/25/2002	12.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	18		

TABLE 3

CUMULATIVE SOIL ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Depth (ft)*	*Benzene*	*Toulene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Tetrachloroethene*	*cis-1,2-Dichloroethene*	*Trichloroethene*	*Isopropylbenzene (Cumene)*	*n-Propylbenzene*	*1,3,5-Trimethylbenzene*	*1,2,4-Trimethylbenzene*	*sec-Butylbenzene*	*4-Isopropyl Toluene*	*n-Butylbenzene*	*Naphthalene*	*Styrene*	*Methylene Chloride*	*Acetone*	*2-Butanone (MEK)*	*4-methyl-2-pentanone(MIBK)*	*Vinyl Chloride*	*1,2- Dichloropropane*	*Notes*
			←										ug/kg								→					
SB-11-7.5	11/25/2002	7.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND		
SB-13 @6.0	1/5/2004	6	<50	<50	<50	<50		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-13 @11.5	1/5/2004	11.5	<100	<100	<100	<100		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
											--	--	--	--	--	--	--	--	--								
SB-14A @7.5	1/9/2004	7.5	640	390	1800	5000		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-14A @11.5	1/9/2004	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-15A @7.5	1/12/2004	7.5	<1000	<1000	<1000	2400		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-15A @11.5	1/12/2004	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-16A @7.5	1/12/2004	7.5	<50	<50	69	110		<100	<100	<100	--	--	--	--	--	--	--	--	--	<100	--	--	--	<100	<100		
SB-16A @11.5	1/12/2004	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-17B @3.5	1/8/2004	3.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-17B @7.5	1/8/2004	7.5	<5.0	<5.0	<5.0	<5.0		<5.0	8.3	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-17B @11.5	1/8/2004	11.5	<5.0	<5.0	<5.0	<5.0		<5.0	180	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	8.3	7.4		
SB-17B @17.0	1/8/2004	17.5	<5.0	<5.0	<5.0	<5.0		<5.0	170	<10	--	--	--	--	--	--	--	--	--	<10	--	--	--	<10	<10		
SB-17B @20	1/8/2004	20	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-18A @3.5	1/6/2004	3.5	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-18A @7.5	1/6/2004	7.5	<200	<200	310	1600		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-18A @11.5	1/6/2004	11.5	<5.0	<5.0	<5.0	15		<50	<50	<50	--	--	--	--	--	--	--	--	--	<50	--	--	--	<50	<50		
SB-18A @17	1/6/2004	17	<200	<200	1100	6500		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-18B @17.5	1/6/2004	17.5	<250	<250	570	2900		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-18B @20	1/9/2004	20	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-21A @3	1/20/2004	3.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-21A @6	1/20/2004	6.0	<100	<100	<100	<100		<100	<100	<100	--	--	--	--	--	--	--	--	--	<100	--	--	--	<100	<100		
SB-21A @9	1/20/2004	9.0	<200	<200	230	<200		<200	<200	<200	--	--	--	--	--	--	--	--	--	<200	--	--	--	<200	<200		
SB-22A/C @3	1/7/2004	3.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-22A/C @6	1/7/2004	6.0	<200	<200	<200	670		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-22A/C @9	1/7/2004	9.0	<200	<200	<200	770		<100	<100	<100	--	--	--	--	--	--	--	--	--	<100	--	--	--	<100	<100		
SB-23 @3	1/6/2004	3.0	<5.0	<5.0	<5.0	<5.0		13	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-23 @6	1/6/2004	6.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-23 @9	1/6/2004	9.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0	<5.0		
SB-24 @3	1/5/2004	3.0	<500	<500	<500	<500		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-24 @6	1/5/2004	6.0	<200	<200	240	<200		<400	<400	<400	--	--	--	--	--	--	--	--	--	<400	--	--	--	<400	<400		
SB-24 @9	1/5/2004	9.0	<50	<50	<50	<50		<50	<50	<50	--	--	--	--	--	--	--	--	--	<50	--	--	--	<50	<50		
SB-26A @7.5	1/7/2004	7.5	<200	<200	<200	<200		<100	<100	<100	--	--	--	--	--	--	--	--	--	<100	--	--	--	<100	<100		
SB-26A @11.5	1/7/2004	11.5	<200	<200	<200	330		<50	<50	<50	--	--	--	--	--	--	--	--	--	<50	--	--	--	<50	<50		
SB-26-10	8/12/2009	10	<250	<250	<250	<250	<250	<20	<20	<20	--	--	--	--	--	--	--	--	--	<20	--	--	--	<20	<20	<20	Other VOCs ND
SB-26-16	8/12/2009	16	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0		<5.0	Other VOCs ND
SB-27-20	8/12/2009	20	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0		<5.0	Other VOCs ND
SB-27-24	8/12/2009	24	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	<5.0		<5.0	Other VOCs ND

TABLE 3

CUMULATIVE SOIL ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	Date Sampled	Depth (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	MTBE	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Isopropylbenzene (Cumene)	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-Butylbenzene	4-Isopropyl Toluene	n-Butylbenzene	Naphthalene	Styrene	Methylene Chloride	Acetone	2-Butanone (MEK)	4-methyl-2-pentanone(MIBK)	Vinyl Chloride	1,2- Dichloropropane	Notes
			ug/kg																							
SB-29-8	**4/21/2011**	**8**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**8.4**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-29-16	**4/21/2011**	**16**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**61**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-29-24	**4/21/2011**	**24**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**7.4**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-29-32	**4/21/2011**	**32**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**12**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-30-12	**4/20/2011**	**12**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**7.5**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-30-20	**4/20/2011**	**20**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**6.2**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-30-32	**4/20/2011**	**32**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**36**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-31-8	**4/19/2011**	**8**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<5.0**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-31-12	**4/19/2011**	**12**	**<5.0**	**<5.0**	**<5.0**	**120**	**<500**	**<5.0**	**<5.0**	**<5.0**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-31-16	**4/19/2011**	**16**	**<5.0**	**<5.0**	**<5.0**	**74**	**<500**	**<5.0**	**<5.0**	**<5.0**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
SB-31-24	**4/19/2011**	**24**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<5.0**	--	--	--	--	--	--	--	--	--	**<5.0**	--	--	--	**<0.005**	**<0.005**	**Other VOCs ND**
Previous SCI Samples																										
Tank 1 Bottom	2/25/2002	--	<130	<130	<130	<130		<130	<130	<130	<130	<130	<130	230	<130	<130	<130	<130	<130	<130	<130	<130	<130			
Tank 2 Bottom	2/25/2002	--	<250	<250	<250	<250		<250	<250	<250	<250	<250	300	680	290	370	550	<250	<250	<250	<250	<250	<250			
Tank 3 Bottom	2/25/2002	--	<250	<250	<250	<250		310	<250	<250	<250	570	680	1,600	960	930	1,500	<250	<250	<250	<250	<250	<250			
Tank 4 Bottom	2/25/2002	--	<250	<250	<250	<250		<250	<250	<250	740	1,700	<250	840	2,100	940	1,900	660	<250	<250	<250	<250	<250			
E End @ 6'	2/25/2002	6.0	<250	<250	<250	950		<250	<250	<250	1,300	3,200	<250	<250	1,700	920	2,400	<250	<250	<250	<250	<250	<250			
W End @ 6'	2/25/2002	6.0	<250	<250	<250	<250		<250	<250	<250	520	1,300	1,100	<250	1,700	890	1,700	<250	<250	<250	<250	<250	<250			
Pipe #1	2/25/2002	--	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0			
Pipe #2	2/25/2002	--	<4.9	<4.9	<4.9	<4.9		<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9			
Tank 5 E End	3/7/2002	--	<2,000	<2,000	8,600	<2,000		<2,000	<2,000	<2,000	5,600	16,000	25,000	63,000	13,000	9,900	14,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000			
Tank 5 W End	3/7/2002	--	<1,700	<1,700	5,900	<1,700		<1,700	<1,700	<1,700	4,100	11,000	17,000	47,000	9,600	8,500	1,000	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700			
Tank 6 N Wall	3/7/2002	2.0	<4.7	<4.7	<4.7	<4.7		<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7			
Tank 6 S Wall	3/7/2002	5.0	<4.8	<4.8	<4.8	<4.8		<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8			
Tank 6 E End	3/7/2002	--	<420	<420	<420	<420		<420	<420	<420	<420	<420	1,600	2,100	<420	510	<420	<420	<420	<420	<420	<420	<420			
Tank 6 W End	3/7/2002	--	<3,100	<3,100	<3,100	<3,100		<3,100	<3,100	<3,100	8,500	24,000	46,000	100,000	30,000	27,000	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100			

Abbreviations and Methods:

ug/kg = Micrograms per kilogram
-- = Not sampled or not analyzed.
< n = Not Detected (ND) - Chemical not present at a concentration in excess of detection limit shown
ND = None detected above laboratory reporting limit, see laboratory report for individual reporting limits.
Volatile organic compounds by EPA Method 8260B (8010)

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation* (ft msl)	*Depth to Water* (ft, TOC)	*TPHss* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*TPHg* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*Notes*
RWQCB-SFBR Environmental Screening Levels for Groundwater														
Groundwater is a current of potential drinking water resource (Table F-1a)					100	100	100	100	1.0	40	30	20	5.0	
Groundwater is not a current of potential drinking water resource (Table F-1b)					210	210	210	210	46	130	43	100	1,800	
MW-1A	6/3/2004	Zone A	35.14	4.50	2,500	1,300	260	1,400	ND<0.5	ND<0.5	2.0	11	ND<5.0	
39.64	11/23/2004		36.54	3.10	2,800	1,400	ND<250	2,300	0.64	ND<0.5	2.5	9.7	6.8	a,b,c
	3/14/2005		37.02	2.62	6,000	3,200	ND<250	4,800	0.68	ND<0.5	2.0	6.8	ND<5.0	d,e
	6/15/2005		35.14	4.50	3,400	2,500	ND<250	2,800	ND<2.5	ND<2.5	ND<2.5	5.9	ND<25	a,b,h,i,c
	9/19/2005		33.14	6.50	6,000	2,800	ND<250	4,100	ND<1.0	ND<1.0	3.3	6.2	ND<10	a,b,i,c
	12/12/2005		35.14	4.50	3,100	2,500	ND<250	2,600	ND<1.7	ND<1.7	2.7	6.5	ND<17	a,b,c,h,i
	3/13/2006		37.74	1.90	2,400	2,300	ND<250	2,000	0.51	ND<0.5	1.9	3.5	--	a,b,c,i
	6/19/2006		35.94	3.70	3,500	2,600	ND<250	2,200	0.52	ND<0.5	2.9	6.7	--	m,b,c
	9/20/2006		34.19	5.45	2,400	2,400	ND<250	2,200	ND<2.5	ND<2.5	3.0	9.7	--	a,b,c,i
	12/20/2006		37.02	2.62	1,400	1,900	ND<250	1,300	0.52	ND<0.5	2.9	7.6	--	a,e,h
	3/29/2007		37.04	2.60	2,100	1,200	ND<250	1,800	ND<0.5	ND<0.5	2.2	6.4	ND<5.0	a,b,c
	6/11/2007		35.72	3.92	2,200	2,200	ND<250	3,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,b,c
	9/7/2007		33.90	5.74	1,700	1,800	ND<250	2,300	ND<0.5	ND<0.5	2.2	4.6	ND<5.0	a,b,c
	12/12/2007		36.53	3.11	3,400	2,500	ND<250	3,100	ND<5.0	ND<5.0	ND<5.0	12	ND<50	a,c
	3/7/2008		37.23	2.41	1,600	1,700	ND<250	2,200	ND<0.5	ND<0.5	2.3	8.9	--	a,c
	6/9/2008		34.69	4.95	2,500	2,000	ND<250	2,200	ND<2.5	ND<2.5	3.4	8.1	ND<25	a,b,c,i
	9/5/2008		33.58	6.06	2,600	1,400	ND<250	2,300	ND<5.0	ND<5.0	ND<5.0	6.4	ND<50	a,c
	12/18/2008		36.68	2.96	1,900	1,800	ND<250	1,600	ND<0.5	ND<0.5	3.3	ND<0.5	--	a,b,c
	3/30/2009		37.28	2.36	3,100	1,800	ND<250	2,000	1.7	ND<1.0	3.4	5.3	ND<10	b,c,m
	9/21-22/2009		34.87	4.77	2,900	4,600	ND<250	2,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,h
	3/8/2010		38.09	1.55	1,200	920	ND<250	1,100	ND<0.5	ND<0.5	0.88	1.6	--	a,b,c
	9/30/2010		33.84	5.80	1,300	670	ND<250	1,200	--	--	--	--	--	a,b,c
	3/28-29/2011		**38.46**	**1.18**	**1,000**	**400**	**ND<250**	**970**	**--**	**--**	**--**	**--**	**--**	**a,b,c,d**
MW-2A	6/3/2004	Zone A	36.48	4.24	3,500	2,900	ND<250	1,700	ND<0.5	3.5	4.9	5.1	ND<5.0	
40.72	11/23/2004		37.83	2.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		39.02	1.70	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	260	560	450	360	ND<0.5	2.5	ND<0.5	ND<0.5	ND<5.0	e,d,g,i
	6/15/2005		37.91	2.81	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	430	470	330	480	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,i,g,e
	9/19/2005		35.46	5.26	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	960	2,100	870	960	ND<0.5	4.7	2.9	ND<0.5	ND<5.0	e,g,b,i,l
	12/12/2005		37.66	3.06	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	510	700	470	670	ND<0.5	5.9	ND<0.5	ND<0.5	ND<5.0	a,b,e,g,i
	3/13/2006		40.33	0.39	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	81	81	ND<250	100	ND<0.5	1.5	ND<0.5	ND<0.5	--	a,b,c,i
	6/19/2006		37.31	3.41	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	180	530	420	270	ND<0.5	1.7	ND<0.5	ND<0.5	--	e,g,i,l
	9/20/2006		34.65	6.07	1,700	800	730	1,700	ND<2.5	5.5	ND<2.5	ND<2.5	--	a,b,d,e,g,i
	12/20/2006		38.57	2.15	61	190	300	94	ND<0.5	1.5	ND<0.5	ND<0.5	--	e,g,m,n
	3/29/2007		38.22	2.50	240	200	ND<250	260	ND<0.5	2.7	ND<0.5	ND<0.5	ND<5.0	a,b,c
	6/11/2007		37.14	3.58	94	200	ND<250	180	ND<0.5	1.7	ND<0.5	ND<0.5	--	a,b,c,i
	9/7/2007		35.04	5.68	180	190	ND<250	240	ND<0.5	0.98	ND<0.5	ND<0.5	ND<5.0	a,b,c,i
	12/12/2007		37.82	2.90	140	220	360	190	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,g,e
	3/7/2008		38.79	1.93	ND<50	90	ND<250	100	ND<0.5	1.2	ND<0.5	ND<0.5	--	e,b

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss (µg/L)*	*TPHd (µg/L)*	*TPHmo (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE (µg/L)*	*Notes*
MW-2A	6/9/2008		36.18	4.54	180	150	ND<250	180	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	a,b,e,i
cont.	9/5/2008		34.46	6.26	220	180	310	300	ND<0.5	1.2	0.59	ND<0.5	ND<5.0	e,g,i,l
	12/18/2008		37.55	3.17	93	170	320	140	ND<0.5	2.7	ND<0.5	ND<0.5	--	a,b,c,d,g,i
	3/30/2009		38.76	1.96	ND<50	99	ND<250	96	ND<0.5	3.2	ND<0.5	ND<0.5	ND<5.0	b,d,e
	9/21-22/2009		35.99	4.73	83	75	ND<250	92	ND<0.5	0.88	ND<0.5	ND<0.5	--	c,i,l
	3/8/2010		39.76	0.96	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	
	9/30-10/1/2010		34.94	5.78	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	3/28-29/2011		**40.40**	**0.32**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**--**	**--**	**--**	**--**	**--**	
MW-3A	6/3/2004	Zone A	36.56	4.32	12,000	90,000	6,000	4,800	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	
40.88	11/23/2004		37.89	2.99	5,700	22,000	ND<2,500	3,800	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d
	3/14/2005		37.28	3.60	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	3,500	37,000	ND<2,500	2,400	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<17	e,d,i
	6/15/2005		36.78	4.10	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	3,300	15,000	ND<1,200	2,100	ND<1.7	ND<1.7	ND<1.7	2.4	ND<17	a,c,d,h,i
	9/19/2005		35.93	4.95	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	8,000	55,000	ND<5,000	4,700	ND<1.0	ND<1.0	2.6	6.8	ND<10	a,b,c,d,i
	12/12/2005		36.72	4.16	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	1,600	34,000	ND<12,000	1,100	ND<1.7	ND<1.7	ND<1.7	2.3	ND<17	a,b,c,d,h,i
	3/13/2006		37.42	3.46	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	3,300	21,000	1,600	2,200	ND<0.5	ND<0.5	1.1	ND<0.5	--	a,c,d,g,h
	6/19/2006		36.48	4.40	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	16,000	19,000	1,000	8,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,d,g,h,m
	9/20/2006		35.78	5.10	3,300	13,000	1,300	2,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i
	12/20/2006		36.78	4.10	3,500	15,000	670	2,600	ND<2.5	ND<2.5	ND<2.5	7.6	--	e,g,h,n
	3/29/2007		36.82	4.06	3,400	21,000	940	2,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h
	6/11/2007		36.52	4.36	3,500	13,000	730	5,200	ND<10	ND<10	ND<10	ND<10	--	a,d,h
	9/7/2007		35.98	4.90	15,000	36,000	1,600	11,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,d,h
	12/12/2007		36.54	4.34	13,000	41,000	ND<2,500	9,500	ND<5.0	7.1	ND<5.0	32	ND<50	a,c,h,
	3/7/2008		36.87	4.01	2,800	26,000	1,200	3,200	ND<2.5	ND<2.5	ND<2.5	2.5	--	a,h,c
	6/9/2008		36.03	4.85	16,000	20,000	ND<1,200	7,500	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i
	9/5/2008		35.78	5.10	19,000	17,000	1,200	15,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h
	12/18/2008		36.65	4.23	6,600	25,000	ND<2,500	4,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,m,h
	3/30/2009		37.19	3.69	15,000	31,000	ND<2,500	8,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	c,h,m
	9/21-22/2009		36.56	4.32	11,000	31,000	1,300	7,500	5.8	7.5	ND<5.0	ND<5.0	--	a,c,d,i
	3/8/2010		37.31	3.57	22,000	22,000	1,500	12,000	ND<10	ND<10	ND<10	26	--	a,b,c,h
	9/30-10/1/2010		36.67	4.21	1,600	1,300	ND<250	1,200	--	--	--	--	--	a,c,d
	3/28-29/2011		**37.50**	**3.38**	**1,900**	**740**	**ND<250**	**2,100**	**--**	**--**	**--**	**--**	**--**	**a,c,d**
MW-4A	6/3/2004	Zone A	36.26	2.45	ND<50	270	440	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.71	11/23/2004		37.13	1.58	ND<50	73	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	3/14/2005		36.66	2.05	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	210	300	ND<50	0.91	1.7	ND<0.5	1.9	ND<5.0	g,d,f,i
	6/15/2005		36.38	2.33	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	75	99	ND<250	59	1.0	1.9	ND<0.5	2.1	ND<5.0	j,d,f
	9/19/2005		35.01	3.70	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	87	ND<250	ND<50	1.2	2.1	0.51	2.4	ND<5.0	d,f
	12/12/2005		36.39	2.32	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	71	ND<250	ND<50	0.67	1.4	ND<0.5	1.9	ND<5.0	d,f,i

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation* *(ft msl)*	*Depth to Water* *(ft, TOC)*	*TPHss* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*Notes*
MW-4A	3/13/2006		36.75	1.96	--	--	--	--	--	--	--	--	--	
cont.	3/14/2006		--	--	ND<50	68	ND<250	ND<50	0.60	1.3	ND<0.5	1.8	--	d,f
	6/19/2006		36.15	2.56	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	ND<50	72	ND<250	ND<50	0.53	1.1	ND<0.5	1.6	--	f
	9/20/2006		35.10	3.61	88	160	ND<250	110	1.2	2.5	0.61	3.9	--	a,d,f,i
	12/20/2006		36.39	2.32	ND<50	97	ND<250	ND<50	0.99	2.1	0.52	2.9	--	f
	3/29/2007		36.46	2.25	ND<50	ND<50	ND<250	ND<50	ND<0.5	0.93	ND<0.5	1.3	ND<5.0	
	6/11/2007		36.14	2.57	ND<50	66	ND<250	ND<50	ND<0.5	0.92	ND<0.5	1.6	--	d,f
	9/7/2007		35.34	3.37	ND<50	78	ND<250	ND<50	0.74	1.3	ND<0.5	1.9	ND<5.0	f
	12/12/2007		36.25	2.46	62	68	ND<250	86	0.62	1.8	ND<0.5	2.4	ND<5.0	j,d,f
	3/7/2008		36.46	2.25	ND<50	71	ND<250	ND<50	ND<0.5	1.0	ND<0.5	1.5	--	l,f
	6/9/2008		35.49	3.22	ND<50	66	ND<250	ND<50	ND<0.5	0.94	ND<0.5	1.5	ND<5.0	d,f
	9/5/2008		34.79	3.92	69	100	ND<250	90	0.61	1.2	ND<0.5	2.0	ND<5.0	d,h,j
	12/18/2008		36.55	2.16	ND<50	73	ND<250	ND<50	0.67	1.4	ND<0.5	2.3	--	d,f
	3/30/2009		36.43	2.28	70	89	ND<250	75	0.64	1.4	ND<0.5	2.4	ND<5.0	d,j
	9/21-22/2009		36.14	2.57	ND<50	66	ND<250	ND<50	ND<0.5	0.83	<0.5	1.9	--	f,i
	3/8/2010		36.61	2.10	ND<50	65	ND<250	58	0.83	1.1	ND<0.5	2.0	--	d,e,j
	9/30-10/1/2010		36.39	2.32	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	c,d
	3/28-29/2011		**36.63**	**2.08**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**--**	**--**	**--**	**--**	**--**	
MW-6A	6/3/2004	Zone A	31.98	6.00	2,400	3,500	340	970	ND<0.5	ND<0.5	ND<0.5	2.1	ND<5.0	
37.98	11/23/2004		33.13	4.85	3,000	1,400	ND<250	1,900	ND<0.5	ND<0.5	ND<0.5	3.0	ND<5.0	a,c
	3/14/2005		35.03	2.95	2,600	5,900	ND<250	2,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	e,d,i
	6/15/2005		33.28	4.70	3,400	6,100	ND<250	2,200	ND<0.5	ND<0.5	0.60	4.4	ND<10	a,i,c,d
	9/19/2005		32.07	5.91	3,900	2,600	ND<250	2,200	ND<1.0	ND<1.0	1.4	7.6	ND<10	a,b,c
	12/12/2005		33.12	4.86	4,500	4,600	ND<250	2,900	ND<0.5	ND<0.5	1.6	8.9	ND<5.0	a,c,h,i
	3/13/2006		36.05	1.93	3,000	4,300	ND<250	1,900	ND<0.5	ND<0.5	ND<0.5	4.3	--	a,c,d,h
	6/19/2006		32.59	5.39	4,600	7,800	260	2,300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
	9/20/2006		31.96	6.02	1,200	2,600	ND<250	960	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	a,c,i
	12/20/2006		33.57	4.41	3,200	4,100	ND<250	2,400	ND<5.0	ND<5.0	ND<5.0	8.1	--	e,h,n
	3/29/2007		33.67	4.31	2,700	2,900	ND<250	2,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c
	6/11/2007		32.95	5.03	3,700	6,400	ND<250	4,300	ND<0.5	ND<0.5	2.1	9.5	--	a,c
	9/7/2007		32.32	5.66	1,400	5,800	ND<250	1,600	ND<1.0	ND<1.0	ND<1.0	3.1	ND<10	a,b,c,d,h
	12/12/2007		33.50	4.48	4,400	9,600	ND<250	3,300	ND<5.0	ND<5.0	ND<5.0	8.4	ND<50	a,c,d
	3/7/2008		34.30	3.68	3,700	6,200	280	4,100	ND<2.5	ND<2.5	ND<2.5	6.9	--	a,h,c
	6/9/2008		32.30	5.68	16,000	7,200	290	7,900	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h,i
	9/5/2008		32.05	5.93	11,000	3,200	ND<250	8,700	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h
	12/18/2008		33.98	4.00	4,300	11,000	460	3,000	ND<1.0	ND<1.0	1.2	ND<1.0	--	a,c,d,h
	3/30/2009		34.06	3.92	3,100	11,000	430	2,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,h,j
	9/21-22/2009		32.30	5.68	2,800	7,300	300	2,100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	3/8/2010		35.88	2.10	5,500	6,800	420	2,400	ND<0.5	ND<0.5	0.66	3.9	--	a,b,c,d,h
	9/30/2010		32.28	5.70	2,300	5,200	2,900	2,200	--	--	--	--	--	a,g
	3/28/2011		**36.36**	**1.62**	**2,300**	**1,000**	**ND<250**	**1,600**	**--**	**--**	**--**	**--**	**--**	**a,c,d**
MW-7A	6/3/2004	Zone A	36.08	4.50	9,900	--	--	3,900	ND<5.0	ND<5.0	ND<5.0	6.6	ND<50	
40.58	11/23/2004		--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005		37.03	3.55	3,700	14,000	620	3,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	c,d,h
	6/15/2005		36.41	4.17	3,900	24,000	ND<1,200	2,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h,i
	9/19/2005		35.25	5.33	13,000	43,000	ND<5,000	7,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,i

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss (µg/L)*	*TPHd (µg/L)*	*TPHmo (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE (µg/L)*	*Notes*
MW-7A	12/12/2005		36.15	4.43	2,500	10,000	ND<1,200	1,700	ND<1.0	ND<1.0	1.4	2.4	ND<10	a,c,d,h,i
cont.	3/13/2006		36.76	3.82	2,300	31,000	1,100	1,600	ND<0.5	ND<0.5	0.93	9.1	--	a,c,d,g,h,i
	6/19/2006		35.78	4.80	44,000	36,000	1,300	26,000	ND<5.0	ND<5.0	10	ND<5.0	--	c,d,g,h,i,m
	9/20/2006		35.03	5.55	69,000	36,000	ND<5,000	49,000	ND<50	ND<50	ND<50	ND<50	--	a,c,h,i
	12/20/2006		36.35	4.23	53,000	14,000	ND<1,200	38,000	ND<50	ND<50	ND<50	150	--	e,h,n
	3/29/2007		36.06	4.52	5,600	34,000	890	4,100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,h,c,d
	6/11/2007		36.02	4.56	3,400	32,000	ND<1,200	3,800	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h,i
	9/7/2007		35.18	5.40	19,000	57,000	ND<2,500	21,000	ND<10	ND<10	ND<10	54	ND<100	a,b,c,d,h
	12/12/2007		35.96	4.62	16,000	45,000	1,400	13,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,d
	3/7/2008		36.28	4.30	3,500	56,000	1,600	3,800	ND<2.5	ND<2.5	ND<2.5	3.7	--	a,h,i,c
	6/9/2008		35.35	5.23	68,000	150,000	ND<12,000	35,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i
	9/5/2008		35.00	5.58	13,000	63,000	2,700	9,800	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i
	12/18/2008		35.95	4.63	9,100	28,000	ND<2,500	6,200	ND<2.5	ND<2.5	2.7	ND<2.5	--	a,c,h
	3/30/2009		36.38	4.20	16,000	110,000	ND<12,000	11,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h
	9/21-22/2009		35.77	4.81	6,400	84,000	ND<5,000	4,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,h
	3/9/2010		36.66	3.92	27,000	110,000	ND<5,000	19,000	ND<25	ND<25	ND<25	46	--	a,b,c,h
	9/30/2010		36.23	4.35	3,400	2,100	ND<250	2,500	--	--	--	--	--	a,c
	3/28/2011		**38.34**	**2.24**	**1,800**	**950**	**ND<250**	**1,300**	**--**	**--**	**--**	**--**	**--**	**a,c,d**
MW-1B	6/3/2004	Zone B	25.10	14.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
39.50	11/23/2004		26.24	13.26	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		33.97	5.53	ND<50	52	ND<250	ND<50	0.60	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d,i
	6/15/2005		31.87	7.63	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		30.35	9.15	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		30.39	9.11	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.15	7.35	--	--	--	--	--	--	--	--	--	
	6/19/2006		22.99	16.51	--	--	--	--	--	--	--	--	--	
	9/20/2006		30.32	9.18	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.60	7.90	--	--	--	--	--	--	--	--	--	
	3/29/2007		24.63	14.87	--	--	--	--	--	--	--	--	--	
	6/11/2007		26.39	13.11	--	--	--	--	--	--	--	--	--	
	9/7/2007		28.42	11.08	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.60	8.90	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.48	7.02	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.50	9.00	--	--	--	--	--	--	--	--	--	
	9/5/2008		30.11	9.39	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.34	9.16	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.09	7.41	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		30.42	9.08	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.97	6.53	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
	9/30/2010		29.74	9.76	ND<50	ND<50	ND<250	ND<50	**--**	**--**	**--**	**--**	**--**	
	3/28-29/2011		**29.57**	**9.93**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**--**	**--**	**--**	**--**	**--**	
MW-3B	9/21-22/2009	Zone B	31.69	8.93	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	i
40.62	3/8/2010		35.00	5.62	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	i
	9/30-10/1/2010		31.81	8.81	ND<50	ND<50	ND<250	ND<50	**--**	**--**	**--**	**--**	**--**	
	3/28-29/2011		**35.38**	**5.24**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**--**	**--**	**--**	**--**	**--**	
MW-4B	6/3/2004	Zone B	33.52	5.02	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.54	11/23/2004		34.65	3.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss (µg/L)*	*TPHd (µg/L)*	*TPHmo (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE (µg/L)*	*Notes*
MW-4B	3/14/2005		34.78	3.76	--	--	--	--	--	--	--	--	--	
cont.	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		33.98	4.56	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		32.57	5.97	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		33.65	4.89	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		34.61	3.93	--	--	--	--	--	--	--	--	--	
	6/19/2006		33.86	4.68	--	--	--	--	--	--	--	--	--	
	9/20/2006		32.58	5.96	--	--	--	--	--	--	--	--	--	
	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	
	3/29/2007		33.96	4.58	--	--	--	--	--	--	--	--	--	
	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	
	9/7/2007		33.22	5.32	--	--	--	--	--	--	--	--	--	
	12/12/2007		33.85	4.69	--	--	--	--	--	--	--	--	--	
	3/7/2008		34.58	3.96	--	--	--	--	--	--	--	--	--	
	6/9/2008		33.45	5.09	--	--	--	--	--	--	--	--	--	
	9/5/2008		32.64	5.90	--	--	--	--	--	--	--	--	--	
	12/18/2008		33.39	5.15	--	--	--	--	--	--	--	--	--	
	3/30/2009		34.33	4.21	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		33.34	5.20	--	--	--	--	--	--	--	--	--	
	3/8/2010		31.96	6.58	--	--	--	--	--	--	--	--	--	
	9/30/2010		32.69	5.85	--	--	--	--	--	--	--	--	--	
	3/28/2011		**34.71**	**3.83**	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	Zone B	30.16	8.82	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.98	11/23/2004		31.32	7.66	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		32.71	6.27	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		31.20	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		28.68	10.30	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		30.65	8.33	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.87	6.11	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.97	8.01	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.68	9.30	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.77	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.40	7.58	--	--	--	--	--	--	--	--	--	
	6/11/2007		31.02	7.96	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.02	8.96	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.88	8.10	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.55	6.43	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.50	9.48	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.10	6.88	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.97	9.01	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.23	5.75	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.67	8.31	--	--	--	--	--	--	--	--	--	
	3/28/2011		**34.22**	**4.76**	--	--	--	--	--	--	--	--	--	

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss (µg/L)*	*TPHd (µg/L)*	*TPHmo (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE (µg/L)*	*Notes*
MW-6B	6/3/2004	Zone B	29.36	8.30	2,900	2,300	ND<250	1,100	ND<0.5	ND<0.5	ND<0.5	1.4	ND<5.0	
37.66	11/23/2004		30.53	7.13	700	280	ND<250	500	ND<0.5	ND<0.5	ND<0.5	1.6	ND<5.0	a,c
	3/14/2005		31.86	5.80	1,200	5,200	340	1,300	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	e,d,i
	6/15/2005		30.17	7.49	1,300	1,700	ND<250	900	ND<0.5	ND<0.5	ND<0.5	1.9	ND<5.0	a,c
	9/19/2005		28.83	8.83	2,000	2,700	ND<250	1,200	1.0	1.4	ND<1.0	5.0	ND<20	a,b,c
	12/12/2005		29.85	7.81	1,200	4,100	ND<250	840	ND<0.5	ND<0.5	ND<0.5	3.3	ND<5.0	a,c,h,i
	3/13/2006		32.31	5.35	2,000	6,900	270	1,400	ND<0.5	ND<0.5	ND<0.5	4.7	--	a,c,d,h,i
	6/19/2006		29.88	7.78	3,300	7,700	310	1,700	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
	9/20/2006		28.78	8.88	4,200	16,000	740	3,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i
	12/20/2006		30.34	7.32	77,000	16,000	ND<1,200	55,000	ND<50	ND<50	ND<50	130	--	e,g,h,n
	3/29/2007		30.44	7.22	4,300	24,000	650	3,400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,h,c,d
	6/11/2007		29.93	7.73	2,100	29,000	ND<1,200	2,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	9/7/2007		28.95	8.71	3,800	32,000	ND<1,200	4,500	ND<5.0	ND<5.0	ND<5.0	11	ND<50	a,b,c,d,h
	12/12/2007		30.00	7.66	15,000	36,000	1,000	12,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,h,c,d
	3/7/2008		31.70	5.96	2,700	27,000	1,100	3,100	ND<2.5	ND<2.5	ND<2.5	6.1	--	a,h,k
	6/9/2008		29.36	8.30	20,000	81,000	ND<5,000	9,500	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h
	9/5/2008		28.66	9.00	17,000	40,000	ND<2500	13,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h
	12/18/2008		29.68	7.98	7,400	29,000	ND<2,500	5,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,h
	3/30/2009		31.31	6.35	13,000	34,000	ND<2,500	10,000	ND<25	ND<25	ND<25	ND<25	ND<250	c,h,m
	9/21-22/2009		28.94	8.72	2,900	15,000	610	2,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	3/8/2010		32.96	4.70	4,200	23,000	ND<2,500	3,200	ND<10	ND<10	ND<10	ND<10	--	a,b,c,h
	9/30/2010		29.19	8.47	1,600	910	ND<250	1,200	--	--	--	--	--	a,c,d
	3/28/2011		**33.68**	**3.98**	**850**	**370**	**ND<250**	**610**	**--**	**--**	**--**	**--**	**--**	**a,c,d**
MW-7B	9/21-22/2009	Zone B	30.73	9.32	1,700	6,300	ND<500	1,300	ND<0.5	ND<0.5	ND<0.5	2.3	--	a,c,h
40.05	3/9/2010		33.52	6.53	1,800	4,300	ND<250	1,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,i
	9/30/2010		30.29	9.76	120	52	ND<250	94	--	--	--	--	--	a,c,i
	3/28/2011		**34.07**	**5.98**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**--**	**--**	**--**	**--**	**--**	
MW-1C	6/3/2004	Zone C	30.07	9.42	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
39.49	11/23/2004		31.30	8.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		32.58	6.91	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	f
	6/15/2005		30.89	8.60	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		29.19	10.30	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		30.54	8.95	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.99	6.50	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.66	8.83	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.53	9.96	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.13	8.36	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.19	8.30	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.63	8.86	--	--	--	--	--	--	--	--	--	
	9/7/2007		29.60	9.89	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.61	8.88	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.46	7.03	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.07	9.42	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.34	10.15	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.28	9.21	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.12	7.37	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.59	9.90	--	--	--	--	--	--	--	--	--	
MW-1C	3/8/2010		33.74	5.75	--	--	--	--	--	--	--	--	--	
cont.	9/30/2010		29.75	9.74	--	--	--	--	--	--	--	--	--	
	3/28/2011		**34.43**	**5.06**	--	--	--	--	--	--	--	--	--	
MW-3C	9/21-22/2009	Zone C	29.52	11.48	ND<50	79	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	f,i

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation* *(ft msl)*	*Depth to Water* *(ft, TOC)*	*TPHss* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*Notes*
41.00	3/8/2010		33.09	7.91	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	i
	9/30-10/1/2010		29.64	11.36	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	i
	3/28-29/2011		**35.76**	**5.24**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**--**	**--**	**--**	**--**	**--**	

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MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss (µg/L)*	*TPHd (µg/L)*	*TPHmo (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE (µg/L)*	*Notes*
MW-4C	6/3/2004	Zone C	30.10	8.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.50	11/23/2004		31.31	7.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		33.15	5.35	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		25.97	12.53	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		30.00	8.50	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.90	7.60	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.91	8.59	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.29	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.29	7.21	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.93	7.57	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.20	8.30	--	--	--	--	--	--	--	--	--	
	12/12/2007		31.10	7.40	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.25	6.25	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.35	8.15	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.62	8.88	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.31	8.19	--	--	--	--	--	--	--	--	--	
	3/30/2009		31.59	6.91	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		30.08	8.42	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.64	5.86	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.75	7.75	--	--	--	--	--	--	--	--	--	
	3/28/2011		**33.49**	**5.01**	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	Zone C	27.89	9.70	340	240	ND<250	160	ND<0.5	ND<0.5	ND<0.5	1.1	ND<5.0	
37.59	11/23/2004		29.21	8.38	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		31.79	5.80	ND<50	60	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	6/15/2005		30.14	7.45	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		28.79	8.80	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		29.81	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/13/2006		32.09	5.50	--	--	--	--	--	--	--	--	--	
	6/19/2006		29.84	7.75	--	--	--	--	--	--	--	--	--	
	9/20/2006		28.74	8.85	--	--	--	--	--	--	--	--	--	
	12/20/2006		30.29	7.30	--	--	--	--	--	--	--	--	--	
	3/29/2007		30.39	7.20	--	--	--	--	--	--	--	--	--	
	6/11/2007		29.86	7.73	--	--	--	--	--	--	--	--	--	
	9/7/2007		28.92	8.67	--	--	--	--	--	--	--	--	--	
	12/12/2007		29.94	7.65	--	--	--	--	--	--	--	--	--	
	3/7/2008		31.63	5.96	--	--	--	--	--	--	--	--	--	
	6/9/2008		29.32	8.27	--	--	--	--	--	--	--	--	--	
	9/5/2008		28.60	8.99	--	--	--	--	--	--	--	--	--	
	12/18/2008		29.64	7.95	--	--	--	--	--	--	--	--	--	
	3/30/2009		31.26	6.33	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		28.89	8.70	--	--	--	--	--	--	--	--	--	

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID *(TOC)*	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation* *(ft msl)*	*Depth to Water* *(ft, TOC)*	*TPHss* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*Notes*
MW-6C	3/8/2010		32.92	4.67	--	--	--	--	--	--	--	--	--	
cont.	9/30/2010		29.16	8.43	--	--	--	--	--	--	--	--	--	
	3/28/2011		**33.62**	**3.97**	--	--	--	--	--	--	--	--	--	
MW-7C	9/21-22/2009	Zone C	29.53	10.91	2,300	1,900	ND<250	1,600	ND<0.5	ND<0.5	ND<0.5	ND<2.0	--	a,c,h
40.44	3/9/2010		32.47	7.97	890	1,400	ND<250	660	ND<0.5	ND<0.5	ND<0.5	4.1	--	a,c,i
	9/30/2010		29.71	10.73	110	62	ND<250	87	--	--	--	--	--	a,c
	3/28/2011		**33.57**	**6.87**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	--	--	--	--	--	

Abbreviations and Notes:

µg/L = micrograms per liter - approximately equal to parts per billion = ppb
(TOC) = Top of casing elevation in feet above mean sea level (msl)
ft = measured in feet
TPHd = Total petroleum hydrocarbons as diesel by EPA Method SW8015C with silica gel cleanup (C10-C23)
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method SW8015C (C6-C12).
TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method SW8015C with silica gel cleanup (C18-C36)
TPHss = Total petroleum hydrocarbons as stoddard solvent by EPA Method SW8015C (C9-C12)
Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B.
MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B (EPA Method SW8260B).
ND<50 = Not Detected above detection limit cited.
-- = Not available, not applicable, not analyzed, not measured
a = TPH pattern that does not appear to be derived from gasoline (stoddard solvent/mineral spirit?).
b = No recognizable pattern.
c = Stoddard solvent/mineral spirit.
d = Diesel range compounds are significant; no recognizable pattern.
e = Gasoline range compounds are significant.
f = One to a few isolated peaks present
g = Oil range compounds are significant.
h = Lighter than water immiscible sheen/product is present.
i = Liquid sample contains greater than ~1 vol. % sediment.
j = Unmodified or weakly modified gasoline is significant
k = TPHg range non-target isolated peaks subtracted out of the TPHg concentration
l = Heavier gasoline compounds are significant (aged gasoline?)
m = Strongly aged gasoline or diesel range compounds are significant
n = Diesel range compounds are significant

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
RWQCB-SFBR Environmental Screening Levels for Groundwater																	
Groundwater is a current of potential drinking water resource (Table F-1a)					25	12	70	1.0	5.0	5.0	10	6.0	10	5.0	0.5	0.5	
1b)					25	12	330	190	120	360	14	590	590	47	200	3.8	
MW-1A	6/3/2004	**Zone A**	35.14	4.50	--	ND<2.5	ND<2.5	ND<2.5	55	16	ND<2.5	36	ND<2.5	ND<2.5	ND<2.5	6.3	
39.64	11/23/2004		36.54	3.10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	38	11	ND<1.0	51	2.4	2.8	ND<1.0	9.5	
	3/14/2005		37.02	2.62	ND<1.0	ND<1.0	ND<1.0	ND<1.0	42	12	2.0	32	2.2	2.4	ND<1.0	8.0	
	6/15/2005		35.14	4.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	62	19	2.6	24	2.4	3.0	ND<1.0	10	h,i
	9/19/2005		33.14	6.50	ND<1.2	ND<1.2	ND<1.2	ND<1.2	55	18	2.3	28	2.0	2.6	ND<1.2	9.4	i
	12/12/2005		35.14	4.50	ND<1.0	ND<1.0	ND<1.0	16	60	17	2.0	22	2.3	2.5	ND<1.0	12	h,i
	3/13/2006		37.74	1.90	ND<1.2	ND<1.2	ND<1.2	14	30	17	ND<1.2	16	1.4	2.0	ND<1.2	4.0	i
	6/19/2006		35.94	3.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	33	9.0	ND<0.5	15	1.1	1.8	ND<0.5	3.2	
	9/20/2006		34.19	5.45	ND<0.5	ND<0.5	ND<0.5	ND<0.5	34	15	ND<0.5	21	1.6	2.3	ND<0.5	5.4	i
	12/20/2006		37.02	2.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27	15	ND<0.5	16	1.3	1.7	ND<0.5	5.2	
	3/29/2007		37.04	2.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	29	16	ND<0.5	13	1.2	1.4	ND<0.5	ND<0.5	
	6/11/2007		35.72	3.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	26	17	ND<0.5	13	1.6	1.9	ND<0.5	2.3	
	9/7/2007		33.90	5.74	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	15	ND<0.5	17	1.4	2.0	ND<0.5	2.3	
	12/12/2007		36.53	3.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	10	ND<0.5	14	1.2	2.1	ND<0.5	1.5	
	3/7/2008		37.23	2.41	ND<0.5	ND<0.5	ND<0.5	17	9.0	9.3	1.3	13	1.2	1.7	ND<0.5	1.7	
	6/9/2008		34.69	4.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	9.0	ND<0.5	11	1.1	1.8	ND<0.5	2.4	i
	9/5/2008		33.58	6.06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	13	ND<0.5	13	1.3	1.7	ND<0.5	1.5	
	12/18/2008		36.68	2.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.6	8.6	ND<0.5	13	0.99	1.5	ND<0.5	2.7	
	3/30/2009		37.28	2.36	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	10	ND<0.5	9.8	1.1	1.5	ND<0.5	2.5	
	9/21-22/2009		34.87	4.77	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.7	2.2	ND<1.0	9.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	3/8/2010		38.09	1.55	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		33.84	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	2.6	ND<0.5	13	ND<0.5	1.1	ND<0.5	1.5	
	3/28-29/2011		**38.46**	**1.18**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**6.7**	**3.4**	**ND<0.5**	**7.7**	**0.61**	**1.0**	**ND<0.5**	**ND<0.5**	
MW-2A	6/3/2004	**Zone A**	36.48	4.24	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
40.72	11/23/2004		37.83	2.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		39.02	1.70	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		37.91	2.81	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005		35.46	5.26	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		37.66	3.06	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		40.33	0.39	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		37.31	3.41	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		34.65	6.07	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		38.57	2.15	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		38.22	2.50	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		37.14	3.58	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		35.04	5.68	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		37.82	2.90	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		38.79	1.93	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		36.18	4.54	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		34.46	6.26	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
	12/18/2008		37.55	3.17	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		38.76	1.96	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		35.99	4.73	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-2A	3/8/2010		39.76	0.96	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	9/30-10/1/2010		34.94	5.78	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		**40.40**	**0.32**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3A	6/3/2004	**Zone A**	36.56	4.32	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	a
40.88	11/23/2004		37.89	2.99	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	3/14/2005		37.28	3.60	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	j, i
	6/15/2005		36.78	4.10	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,i
	9/19/2005		35.93	4.95	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	51	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i
	12/12/2005		36.72	4.16	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<1.0	ND<1.0	ND<1.0	26	ND<1.0	ND<1.0	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,i,
	3/13/2006		37.42	3.46	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i
	6/19/2006		36.48	4.40	3.7	--	--	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	9.8	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	9/20/2006		35.78	5.10	31	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,i
	12/20/2006		36.78	4.10	31	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	3/29/2007		36.82	4.06	55	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	
	6/11/2007		36.52	4.36	68	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h
	9/7/2007		35.98	4.90	82	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h
	12/12/2007		36.54	4.34	72	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h
	3/7/2008		36.87	4.01	74	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	6/9/2008		36.03	4.85	98	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	22	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h,i
	9/5/2008		35.78	5.10	92	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	16	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h
	12/18/2008		36.65	4.23	95	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h
	3/30/2009		37.19	3.69	85	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h
	9/21-22/2009		36.56	4.32	82	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h,i
	3/8/2010		37.31	3.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30-10/1/2010		36.67	4.21	83	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	
	3/28-29/2011		**37.50**	**3.38**	**86**	**ND<1.2**	**ND<1.2**	**ND<1.2**	**ND<1.2**	**ND<1.2**	**13**	**ND<1.2**	**ND<1.2**	**ND<1.2**	**ND<1.2**	**ND<1.2**	
MW-4A	6/3/2004	**Zone A**	36.26	2.45	--	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.71	11/23/2004		37.13	1.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		36.66	2.05	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		36.38	2.33	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005		35.01	3.70	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		36.75	1.96	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		36.15	2.56	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		35.10	3.61	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
	6/11/2007		36.14	2.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		35.34	3.37	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4A	12/12/2007		36.25	2.46	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	3/7/2008		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		35.49	3.22	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		34.79	3.92	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		36.55	2.16	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		36.43	2.28	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		36.14	2.57	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		36.61	2.10	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30-10/1/2010		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		**36.63**	**2.08**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6A	6/3/2004	**Zone A**	31.98	6.00	--	4.7	0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	2.1	ND<0.5	6.7	
37.98	11/23/2004		33.13	4.85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		35.03	2.95	ND<0.5	0.61	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		33.28	4.70	ND<0.5	6.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	2.5	1.5	ND<0.5	3.2	i
	9/19/2005		32.07	5.91	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	6.7	4.7	0.59	5.0	
	12/12/2005		33.12	4.86	ND<0.5	13	ND<0.5	8.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	0.82	ND<0.5	ND<0.5	h,i
	3/13/2006		36.05	1.93	ND<0.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/19/2006		32.59	5.39	ND<0.5	9.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.1	ND<0.5	1.3	h
	9/20/2006		31.96	6.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	1.9	0.57	ND<0.5	i
	12/20/2006		33.57	4.41	ND<0.5	12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/29/2007		33.67	4.31	ND<0.5	8.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	0.71	ND<0.5	ND<0.5	
	6/11/2007		32.95	5.03	ND<5.0	9.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	9/7/2007		32.32	5.66	ND<0.5	24	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/12/2007		33.50	4.48	ND<0.5	4.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/7/2008		34.30	3.68	ND<0.5	1.0	ND<0.5	9.5	ND<0.5	ND<0.5	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/9/2008		32.30	5.68	0.53	11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/5/2008		32.05	5.93	1.0	8.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/18/2008		33.98	4.00	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	b,h
	3/30/2009		34.06	3.92	ND<0.5	0.83	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	9/21-22/2009		32.30	5.68	0.93	5.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/8/2010		35.88	2.10	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		32.28	5.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/28/2011		**36.36**	**1.62**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
MW-7A	6/3/2004	**Zone A**	36.08	4.50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
40.58	11/23/2004		--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005		37.03	3.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/15/2005		36.41	4.17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/19/2005		35.25	5.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		36.15	4.43	ND<0.5	ND<0.5	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	3/13/2006		36.76	3.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	6/19/2006		35.78	4.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/20/2006		35.03	5.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	12/20/2006		36.35	4.23	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/29/2007		36.06	4.52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
	6/11/2007		36.02	4.56	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h,i

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
	9/7/2007		35.18	5.40	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/12/2007		35.96	4.62	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/7/2008		36.28	4.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	6/9/2008		35.35	5.23	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h,i
MW-7A	9/5/2008		35.00	5.58	0.71	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h, i
cont.	12/18/2008		35.95	4.63	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	b
	3/30/2009		36.38	4.20	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	9/21-22/2009		35.77	4.81	0.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/9/2010		36.66	3.92	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		36.23	4.35	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/28/2011		**38.34**	**2.24**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1B	6/3/2004	**Zone B**	25.10	14.40	--	ND<0.5	8.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.9	ND<0.5	8.1	7.9	ND<0.5	
39.50	11/23/2004		26.24	13.26	ND<0.5	ND<0.5	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	8.4	8.8	ND<0.5	
	3/14/2005		33.97	5.53	ND<0.5	1.1	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.8	ND<0.5	5.2	12	ND<0.5	i
	6/15/2005		31.87	7.63	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	8.8	9.9	ND<0.5	i
	9/19/2005		30.35	9.15	ND<0.5	0.98	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0	ND<0.5	7.1	11	ND<0.5	i
	12/12/2005		30.39	9.11	ND<0.5	1.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	7.0	12	ND<0.5	i
	3/13/2006		32.15	7.35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	ND<0.5	6.8	5.2	ND<0.5	i
	6/19/2006		22.99	16.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	ND<0.5	7.8	6.2	ND<0.5	
	9/20/2006		30.32	9.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	11	10	ND<0.5	i
	12/20/2006		31.60	7.90	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	7.7	7.8	ND<0.5	
	3/29/2007		24.63	14.87	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.0	ND<0.5	9.7	8.7	ND<0.5	
	6/11/2007		26.39	13.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5	ND<0.5	8.0	6.5	ND<0.5	i
	9/7/2007		28.42	11.08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.8	ND<0.5	8.6	7.0	ND<0.5	
	12/12/2007		30.60	8.90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	ND<0.5	7.2	7.5	ND<0.5	
	3/7/2008		32.48	7.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.5	ND<0.5	8.8	5.6	ND<0.5	
	6/9/2008		30.50	9.00	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	ND<0.5	8.9	5.3	ND<0.5	i
	9/5/2008		30.11	9.39	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13	ND<0.5	8.1	6.7	ND<0.5	
	12/18/2008		30.34	9.16	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	16	ND<0.5	8.2	9.3	ND<0.5	i
	3/30/2009		32.09	7.41	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10	ND<0.5	10	5.8	ND<0.5	
	9/21-22/2009		30.42	9.08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	ND<0.5	11	8	ND<1.0	
	3/8/2010		32.97	6.53	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.74	9.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.9	ND<0.5	15	6.4	ND<0.5	
	3/28-29/2011		**29.57**	**9.93**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**5.8**	**ND<0.5**	**16**	**6.1**	**ND<0.5**	
MW-3B	9/21-22/2009	Zone B	31.69	8.93	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
40.62	3/8/2010		35.00	5.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30-10/1/2010		31.81	8.81	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/28-29/2011		**35.38**	**5.24**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
MW-4B	6/3/2004	**Zone B**	33.52	5.02	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.54	11/23/2004		34.65	3.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		34.78	3.76	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		33.98	4.56	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005		32.57	5.97	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
	12/12/2005		33.65	4.89	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		34.61	3.93	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		33.86	4.68	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		32.58	5.96	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		33.96	4.58	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4B	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	9/7/2007		33.22	5.32	--	--	--	--	--	--	--	--	--	--	--	--	i
	12/12/2007		33.85	4.69	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		34.58	3.96	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		33.45	5.09	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		32.64	5.90	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		33.39	5.15	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		34.33	4.21	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		33.34	5.20	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		31.96	6.58	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		32.69	5.85	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28/2011		**34.71**	**3.83**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	**Zone B**	30.16	8.82	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.98	11/23/2004		31.32	7.66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		32.71	6.27	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		31.20	7.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005		28.68	10.30	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		30.65	8.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		32.87	6.11	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.97	8.01	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.68	9.30	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.77	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.40	7.58	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		31.02	7.96	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.02	8.96	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.88	8.10	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.55	6.43	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.50	9.48	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.10	6.88	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.97	9.01	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.23	5.75	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.67	8.31	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28/2011		**34.22**	**4.76**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6B	6/3/2004	**Zone B**	29.36	8.30	--	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
37.66	11/23/2004		30.53	7.13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.89	ND<0.5	ND<0.5	
	3/14/2005		31.86	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.5	i

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
	6/15/2005		30.17	7.49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	0.66	ND<0.5	0.55	
	9/19/2005		28.83	8.83	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.2	ND<0.5	1.1	ND<0.5	1.1	
	12/12/2005		29.85	7.81	ND<0.5	2.3	ND<0.5	11	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	1.3	ND<0.5	ND<0.5	h,i
	3/13/2006		32.31	5.35	ND<0.5	0.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/19/2006		29.88	7.78	ND<0.5	0.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	h
	9/20/2006		28.78	8.88	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h,i
	12/20/2006		30.34	7.32	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	0.69	ND<0.5	ND<0.5	h
	3/29/2007		30.44	7.22	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	
	6/11/2007		29.93	7.73	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h
MW-6B	9/7/2007		28.95	8.71	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	0.66	ND<0.5	ND<0.5	h
cont.	12/12/2007		30.00	7.66	ND<0.5	0.77	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	0.62	ND<0.5	ND<0.5	h
	3/7/2008		31.70	5.96	ND<0.5	1.1	ND<0.5	16	ND<0.5	ND<0.5	1.2	1.0	ND<0.5	0.58	ND<0.5	ND<0.5	h
	6/9/2008		29.36	8.30	ND<1.0	1.8	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	9/5/2008		28.66	9.00	ND<5.0	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/18/2008		29.68	7.98	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	b,h
	3/30/2009		31.31	6.35	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	9/21-22/2009		28.94	8.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.40	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/8/2010		32.96	4.70	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.19	8.47	ND<0.5	0.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/28/2011		**33.68**	**3.98**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
MW-7B	9/21-22/2009	Zone B	30.73	9.32	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
40.05	3/9/2010		33.52	6.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30/2010		30.29	9.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/28/2011		**34.07**	**5.98**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
MW-1C	6/3/2004	**Zone C**	30.07	9.42	--	ND<0.5	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
39.49	11/23/2004		31.30	8.19	ND<0.5	ND<0.5	0.56	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		32.58	6.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		30.89	8.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005		29.19	10.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		30.54	8.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		32.99	6.50	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.66	8.83	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.53	9.96	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.13	8.36	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.19	8.30	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.63	8.86	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		29.60	9.89	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.61	8.88	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.46	7.03	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.07	9.42	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.34	10.15	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.28	9.21	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.12	7.37	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.59	9.90	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.74	5.75	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.75	9.74	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28/2011		**34.43**	**5.06**	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-3C	9/21-22/2009	Zone C	29.52	11.48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
41.00	3/8/2010		33.09	7.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30-10/1/2010		29.64	11.36	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/28-29/2011		**35.76**	**5.24**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
MW-4C	6/3/2004	**Zone C**	30.10	8.40	--	ND<0.5	0.84	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.50	11/23/2004		31.31	7.19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		33.15	5.35	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-4C	9/19/2005		25.97	12.53	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		30.00	8.50	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.90	7.60	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.91	8.59	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.29	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.29	7.21	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.93	7.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.20	8.30	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		31.10	7.40	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.25	6.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.35	8.15	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.62	8.88	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.31	8.19	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		31.59	6.91	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		30.08	8.42	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.64	5.86	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.75	7.75	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28/2011		**33.49**	**5.01**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	**Zone C**	27.89	9.70	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	0.61	ND<0.5	ND<0.5	
37.59	11/23/2004		29.21	8.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		31.79	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	1.9	ND<0.5	12	ND<0.5	1.1	ND<0.5	2.3	
	6/15/2005		30.14	7.45	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1	3.1	ND<0.5	20	0.64	1.4	ND<0.5	5.7	
	9/19/2005		28.79	8.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	3.0	ND<0.5	18	0.57	1.3	ND<0.5	6.8	
	12/12/2005		29.81	7.78	ND<0.5	0.66	ND<0.5	ND<0.5	3.2	3.0	ND<0.5	19	0.61	1.4	ND<0.5	10	
	3/13/2006		32.09	5.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2	3.9	ND<0.5	26	0.61	0.95	ND<0.5	5.1	
	6/19/2006		29.84	7.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.0	3.4	ND<0.5	32	0.78	0.96	ND<0.5	11	
	9/20/2006		28.74	8.85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	4.6	ND<0.5	23	0.76	1.0	ND<0.5	9.4	i
	12/20/2006		30.29	7.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.1	4.6	ND<0.5	36	0.88	0.92	ND<0.5	13	
	3/29/2007		30.39	7.20	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.0	6.4	ND<0.5	35	1.2	1.1	ND<0.5	5.3	
	6/11/2007		29.86	7.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	6.4	ND<0.5	26	0.99	0.85	ND<0.5	4.0	
	9/7/2007		28.92	8.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	6.9	ND<0.5	32	0.99	0.90	ND<0.5	4.2	
	12/12/2007		29.94	7.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0	5.2	ND<0.5	29	0.84	0.87	ND<0.5	3.8	
	3/7/2008		31.63	5.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.1	5.5	ND<0.5	28	0.90	0.78	ND<0.5	3.2	
	6/9/2008		29.32	8.27	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.5	5.5	ND<0.5	23	0.72	0.71	ND<0.5	3.5	
	9/5/2008		28.60	8.99	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	4.2	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5	1.2	
	12/18/2008		29.64	7.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	4.1	ND<0.5	18	ND<0.5	0.58	ND<0.5	2.8	
	3/30/2009		31.26	6.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6	5.0	ND<0.5	22	0.58	0.57	ND<0.5	3.5	
	9/21-22/2009		28.89	8.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1	3.4	ND<0.5	17	ND<0.5	0.56	ND<0.5	1.3	
	3/8/2010		32.92	4.67	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.16	8.43	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/28/2011		**33.62**	**3.97**	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 5

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*Chlorobenzene (µg/L)*	*Chloroethane (µg/L)*	*Chloroform (µg/L)*	*1,1,2,2,-Tetra-chloroethane (µg/L)*	*(PCE) Tetrachloroethene (µg/L)*	*(TCE) Trichloroethene (µg/L)*	*1,2-Dichlorobenzene (µg/L)*	*cis-1,2-Dichloroethene (µg/L)*	*trans-1,2-Dichloroethene (µg/L)*	*1,1-Dichloroethane (µg/L)*	*1,2-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-7C	9/21-22/2009	Zone C	29.53	10.91	2.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
40.44	3/9/2010		32.47	7.97	0.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30/2010		29.71	10.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/28/2011		**33.57**	**6.87**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	

Abbreviations and Notes:

µg/L = micrograms per liter; equivalent to parts per billion
ft = measured in feet
ft amsl = measured in feet above mean sea level
BTOC = Below top of casing
Halogenated Volatile Organic Compounds analyzed by EPA Method SW8260B, reported EPA Method 8010 basic target list.
ND<0.5 = Not Detected above detection limit cited.
-- = Not available, not applicable, not analyzed, not measured
b = sample diluted due to high organic content
i = liquid sample that contains greater than ~1 vol. % sediment
h = lighter than water immiscible sheen/product is present
j = sample diluted due to high organic content/matrix interference

TABLE 6

GRAB GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Sample Collection Depth (ft bgs)*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss*	*TPHd*	*ug/L*	*TPHmo*	*TPHg*	*Notes*
SB-1	11/25/2002	A-Zone		35.39	3.45	---	---		---	---	
(38.84)	11/26/2002	A-Zone		35.44	3.40	ND<50	2,000		7,500	58	
SB-2	11/25/2002	C-Zone		11.61	29.50	---	---		---	---	
(41.11)	11/26/2002	C-Zone		29.46	11.65	ND<50	ND<50		ND<250	ND<50	
SB-4	11/25/2002	A-Zone		34.02	6.90	---	---		---	---	
(40.92)	11/26/2002	A-Zone		34.82	6.10	---	---		---	---	SPH
SB-6	11/25/2002	A-Zone		28.24	11.25	---	---		---	---	
(39.49)	11/26/2002	A-Zone		32.19	7.30	7,800	23,000		620	8,700	a,b,c
SB-7	11/25/2002	B-Zone		28.20	10.30	---	---		---	---	
(38.50)	11/26/2002	B-Zone		30.10	8.40	5,800	120,000		<25,000	6,100	a,b,c
SB-8	11/25/2002	A-Zone		36.30	4.70	---	---		---	---	
(41.00)	11/26/2002	A-Zone		36.55	4.65	100,000	1,200,000		ND<250,000	110,000	a,b,c
SB-9	11/25/2002	C-Zone		16.02	25.00	---	---		---	---	
(41.02)	11/26/2002	C-Zone		17.07	23.95	ND<50	50		300	ND<50c	
SB-10	11/25/2002	A-Zone		29.27	11.60	---	---		---	---	
(40.87)	11/26/2002	A-Zone		31.12	9.75	200	350		ND<250	260a,c	
SB-11	11/25/2002	C-Zone		12.15	29.30	---	---		---	---	
(41.45)	11/26/2002	C-Zone		19.55	21.90	ND<50	ND<50		ND<250	ND<50	
SB-12A	1/13/2004	A-Zone		---	4.5	ND<50	130		300	230	h,c,e,d,f

TABLE 6

GRAB GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Sample Collection Depth (ft bgs)*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss*	*TPHd*	*ug/L*	*TPHmo*	*TPHg*	*Notes*
SB-14A	1/9/2004	A-Zone		---	4.0	ND<50	ND<50		ND<250	ND<50	c
SB-14C	1/9/2004	C-Zone		---	NW	---	---		---	---	
SB-15A	1/12/2004	A-Zone		---	4.0	2,500	2,400		290	2,700	a,c,d
SB-16A	1/12/2004	A-Zone		---	4.0	1,500	23,000		9,800	1,700	a,b,c,d,e,i
SB-17A	1/13/2004	A-Zone		---	NW	---	---		---	---	
SB-17B	1/8/2004	B-Zone		---	16.5	ND<50	95		ND<250	120	c,d,f,g
SB-17C	1/13/2004	C-Zone		---	NW	---	---		---	---	
SB-18A	1/6/2004	A-Zone		---	1.5	2,100	11,000		ND<2,500	3,900	d,b
SB-18B*	1/9/2004	C-Zone		---	25.0	ND<50	92		ND<250	250	g,h
SB-18C	1/9/2004	C-Zone		---	34.0	170	---		---	300	c,g,h
SB-19A	1/13/2004	A-Zone		---	NW	---	---		---	---	
SB-20A	1/13/2004	A-Zone		---	8.0	610	1400		ND<250	680	b,d,j
SB-20C	1/13/2004	C-Zone		---	31.0	ND<50	ND<50		ND<250	ND<50	c
SB-21A	1/20/2004	A-Zone		---	8.5	5,600	110000		<25,000	6,100	a,b,i,k
SB-22A	1/7/2004	A-Zone		---	NW	---	---		---	---	
SB-22C	1/7/2004	C-Zone		---	--	ND<50	110		ND<250	ND<50	c,f
SB-25A	1/8/2004	A-Zone		---	5.0	ND<50	64		ND<250	ND<50	c,f,g
SB-25C	1/8/2004	C-Zone		---	29.0	ND<50	ND<50		ND<250	ND<50	c
SB-26A	1/7/2004	A-Zone		---	4.0	2,600	5300		1000	3,000	c,d,e

TABLE 6

GRAB GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Sample Collection Depth (ft bgs)*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss*	*TPHd*	*TPHmo*	*TPHg*	*Notes*
						←	*ug/L*	→		
SB-26-12-W	8/17/2009	A-Zone	12	---	---	75	NA	ND<250	65	j
SB-26-24-W	8/17/2009	B-Zone	24	---	---	ND<50	ND<50	ND<250	ND<50	
SB-26-40-W	8/17/2009	C-Zone	40	---	---	ND<50	ND<50	ND<250	ND<50	
SB-26-40-W	8/14/2009	C-Zone	40	---	---	ND<50	**	**	ND<50	
SB-27-12-W	8/12/2009	A-Zone	---	---	---		Dry, No Sample			
SB-27-24-W	8/12/2009	B-Zone	24	---	---	ND<50	ND<50	ND<250	ND<50	
SB-27-40-W	8/12/2009	C-Zone	40	---	---	ND<50	57	250	ND<50	e,f
SB-28-12-W	8/17/2009	A-Zone	---	---	---		Dry, No Sample			
SB-28-24-W	8/17/2009	B-Zone	24	---	---	760	ND<50	ND<250	530	a
SB-28-35-W	8/17/2009	C-Zone	35	---	---	ND<50	ND<50	ND<250	ND<50	
CPT-11-W	8/17/2009	"D-Zone"	56-60	---	---	ND<50	ND<50	ND<250	ND<50	
SB-29-6-W	**4/21/2011**	**A-Zone**	**6**	**--**	**--**	**ND<50**	**230**	**1,900**	**ND<50**	**c**
SB-29-32-W	**4/21/2011**	**C-Zone**	**32**	**--**	**--**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**c**
SB-30-4.5-W	**4/20/2011**	**A-Zone**	**4.5**	**--**	**--**	**ND<50**	**74**	**680**	**ND<50**	**c,e,f**
SB-30-13-W	**4/20/2011**	**B-Zone**	**13**	**--**	**--**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**c**
SB-30-32-W	**4/20/2011**	**C-Zone**	**32**	**--**	**--**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	**c**
SB-31-8-W	**4/20/2011**	**A-Zone**	**8**	**--**	**--**	**7,100**	**31,000**	**3,100**	**5,000**	**a,b,c**
SB-31-22-W	**4/19/2022**	**B-Zone**	**22**	**--**	**--**	**6,100**	**26,000**	**ND<1,300**	**4,400**	**a,b,c**

Previous SCI Samples

TABLE 6

GRAB GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Sample Collection Depth (ft bgs)*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss*	*TPHd*	*ug/L*	*TPHmo*	*TPHg*	*Notes*
Interior	2/20/2002			---	---	13,000	94000		---	21,000	
Exterior	2/25/2002			---	---	42,000	82000		---	66,000	

Abbreviations and Notes:

mg/L = micrograms per liter
(TOC) = Top of temporary casing in feet above mean seal level.
ft msl = Feet above mean sea level.
ft bgs = feet below ground surface
ND<n = Not Detected above detection limit cited (n represents the reported detection limit)
--- = Not available, not analyzed, or does not apply.
NW = No groundwater for sample.
TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015C with silica gel cleanup (C18-C36)
TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015C with silica gel cleanup (C10-C23)
TPHss = Total petroleum hydrocarbons as Stoddard solvent by EPA Method 8021B/8015Cm (C9-C12)
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8021B/8015Cm (C6-C12)

Grab groundwater samples may have been collected without protection against cross contamination between groundwater zones; may not be discrete.
A-Zone ~3.5 to 12 ft below grade (bg)
B-Zone ~13 to 24 ft bg
C-Zone ~25 to 40 ft bg
* = Sample SB-18B collected in the C-zone
** = Insufficient volume of groundwater to sample for anlaysis.
a = Laboratory note: TPH pattern that does not appear to be derived from gasoline (Stoddard solvent/mineral spirit?)
b = Laboratory note: lighter than water immiscible sheen/product is present
c = Laboratory note: liquid sample that contains greater than ~1 vol. % sediment
d = Laboratory note: gasoline range compounds are significant

TABLE 6

GRAB GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Sample Collection Depth (ft bgs)*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft, TOC)*	*TPHss* ←	*TPHd*	*ug/L*	*TPHmo* →	*TPHg*	*Notes*

e = Laboratory note: oil range compounds are significant
f = Laboratory note: diesel range compounds are significant; no recognizable pattern
g = Laboratory note: one to a few isolated non-target peaks present
h = Laboratory note: unmodified or weakly modified gasoline is significant
i = Laboratory note: sample diluted due to high organic content
j = Laboratory note: strongly aged gasoline or diesel range compounds are significant
k = Laboratory note: stoddard solvent/mineral spirit

TABLE 7

GRAB GROUNDWATER ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft)*	*Benzene*	*Toulene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Chloroethane*	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Trichloroethene*	*1,2-Dichlorobenzene*	*cis-1,2-Dichloroethene*	*1,1-Dichloroethane*	*1,2-Dichloroethane*	*Vinyl Chloride*	*Notes*
					←							*ug/L*						→	
Soil Boring Grab Groundwater Samples																			
SB-1	11/25/2002	A-Zone	35.39	3.45	---	---	---	---		---	---	---	---	---	---	---	---	---	
(38.84)	11/26/2002	A-Zone	35.44	3.40	**1.7**	**3.2**	**0.55**	**3.6**		ND<0.5	ND<0.5	**1.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	j,o
SB-2	11/25/2002	C-Zone	11.61	29.50	---	---	---	---				---	---		---			---	
(41.11)	11/26/2002	C-Zone	29.46	11.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	o
SB-4	11/25/2002	A-Zone	34.02	6.90	---	---	---	---		---	---	---	---	---	---	---	---	---	
(40.92)	11/26/2002	A-Zone	34.82	6.10	---	---	---	---		---	---	---	---	---	---	---	---	---	SPH
SB-6	11/25/2002	A-Zone	28.24	11.25	---	---	---	---		---	---	---	---	---	---	---	---	---	
(39.49)	11/26/2002	A-Zone	32.19	7.30	**2.1**	**1.2**	ND<0.5	**0.55**		**3.8**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.2**	**1.4**	ND<0.5	0.90	a,n,o
SB-7	11/25/2002	B-Zone	28.20	10.30	---	---	---	---				---	---		---			---	
(38.50)	11/26/2002	B-Zone	30.10	8.40	ND<0.5	0.74	ND<0.5	**3**		**16**	**16**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.7**	ND<0.5	**1.3**	a,n,o
SB-8	11/25/2002	A-Zone	36.30	4.70	---	---	---	---		---	---	---	---	---	---	---	---	---	
(41.00)	11/26/2002	A-Zone	36.55	4.65	ND<10	ND<10	ND<10	ND<10		ND<10	ND<10	ND<10	ND<10	**20**	ND<10	ND<10	ND<10	ND<10	a,n,o
SB-9	11/25/2002	C-Zone	16.02	25.00	---	---	---	---		---	---	---	---	---	---	---	---	---	
(41.02)	11/26/2002	C-Zone	17.07	23.95	ND<0.5	**0.88**	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	o
SB-10	11/25/2002	A-Zone	29.27	11.60	---	---	---	---		---	---	---	---	---	---	---	---	---	
(40.87)	11/26/2002	A-Zone	31.12	9.75	ND<2.5	**3.4**	ND<2.5	ND<2.5		ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	**170**	**19**	ND<2.5	**45**	a,o
SB-11	11/25/2002	C-Zone	12.15	29.30	---	---	---	---		---	---	---	---	---	---	---	---	---	
(41.45)	11/26/2002	C-Zone	---	21.90	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
Trip Blank	11/26/2002		---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
SB-12A	1/13/2004	A-Zone	---	4.5	ND<0.5	**2.0**	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	a,i,o
SB-14A	1/9/2004	A-Zone	---	4.0	**0.58**	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i,o
SB-14C	1/9/2004	C-Zone	---	NW	---	---	---	---		---	---	---	---	---	---	---	---	---	
SB-15A	1/12/2004	A-Zone	---	4.0	ND<0.5	ND<0.5	ND<0.5	**17**		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	e,i,o
SB-16A	1/12/2004	A-Zone	---	4.0	**0.65**	**0.51**	**1.3**	**7.7**		ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	e, h,i,p,n,o
SB-17A	1/13/2004	A-Zone	---	NW	---	---	---	---		---	---	---	---	---	---	---	---	---	
SB-17B	1/8/2004	B-Zone	---	16.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		<50	<50	<50	<50	<50	1,100	<50	<50	<50	f,i,o
SB-17C	1/13/2004	C-Zone	---	NW	---	---	---	---		---	---	---	---	---	---	---	---	---	

TABLE 7

GRAB GROUNDWATER ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft)*	*Benzene*	*Toulene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Chloroethane*	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Trichloroethene*	*1,2-Dichlorobenzene*	*cis-1,2-Dichloroethene*	*1,1-Dichloroethane*	*1,2-Dichloroethane*	*Vinyl Chloride*	*Notes*
					←							*ug/L*						→	
SB-18A	1/6/2004	A-Zone	---	1.5	ND<5.0	ND<5.0	ND<5.0	**11**		ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	e,h,p,n
SB-18B*	1/9/2004	C-Zone	---	25.0	**0.54**	ND<0.5	ND<0.5	**0.64**		ND<100	ND<100	**630**	**430**	ND<100	**1,800**	ND<100	ND<100	ND<100	a,f
SB-18C	1/9/2004	C-Zone	---	34.0	**0.82**	ND<0.5	ND<0.5	**1.3**		<50	<50	**300**	**250**	<50	**1,200**	<50	<50	<50	a,f,i,o
SB-19A	1/13/2004	B-Zone	---	NW	---	---	---	---		---	---	---	---	---	---	---	---	---	
SB-20A	1/13/2004	A-Zone	---	8.0	ND<0.5	ND<0.5	ND<0.5	**3.3**		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	g,h,n
SB-20C	1/13/2004	C-Zone	---	31.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i,o
SB-21A	1/20/2004	A-Zone	---	8.5	ND<5.0	ND<5.0	ND<5.0	ND<5.0		<50	<50	<50	<50	<50	<50	<50	<50	<50	e,h,p.n
SB-22A	1/7/2004	A-Zone	---	NW	---	---	---	---		---	---	---	---	---	---	---	---	---	
SB-22C	1/7/2004	C-Zone	---	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i, o
SB-25A	1/8/2004	A-Zone	---	5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i, o
SB-25C	1/8/2004	C-Zone	---	29.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i, o
SB-26A	1/7/2004	A-Zone	---	4.0	**6.2**	ND<5.0	ND<5.0	**13**		ND<0.5	ND<0.5	ND<5.0	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i,e,o,p
SB-26-12-W	8/17/2009	A-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
SB-26-24-W	8/17/2009	B-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
SB-26-40-W	8/17/2009	C-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
SB-26-40-W	8/14/2009	C-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
SB-27-12-W	8/12/2009	A-Zone	---	NW	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SB-27-24-W	8/12/2009	B-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	**7.5**	ND<0.5	ND<0.5	0.97	ND<0.5	ND<0.5	Carbon Tetrachloride = 0.59
SB-27-40-W	8/12/2009	C-Zone	---	---	ND<0.5	**2.6**	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	Carbon Tetrachloride = 0.56
SB-28-12-W	8/17/2009	A-Zone	---	NW	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SB-28-24-W	8/17/2009	B-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	**5.0**	ND<0.5	**0.56**	ND<0.5	ND<0.5	ND<0.5	
SB-28-35-W	8/17/2009	C-Zone	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
CPT-11-W	8/17/2009	56-60 fbg "D-Zone"	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
SB-29-6-W	**4/21/2011**	**A-Zone**	**--**	**--**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
SB-29-32-W	**4/21/2011**	**C-Zone**	**--**	**--**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**27**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	

TABLE 7

GRAB GROUNDWATER ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft)*	*Benzene*	*Toulene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Chloroethane*	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Trichloroethene*	*1,2-Dichlorobenzene*	*cis-1,2-Dichloroethene*	*1,1-Dichloroethane*	*1,2-Dichloroethane*	*Vinyl Chloride*	*Notes*
					←							*ug/L*						→	
SB-30-4.5-W	**4/20/2011**	**A-Zone**	**--**	**--**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<1.2**	**ND<1.2**	**ND<1.2**	**57**	**ND<1.2**	**4.6**	**ND<1.2**	**ND<1.2**	**2.3**	
SB-30-13-W	**4/20/2011**	**B-Zone**	**--**	**--**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<50**	**ND<50**	**ND<50**	**1,200**	**ND<50**	**ND<50**	**ND<50**	**ND<50**	**ND<50**	
SB-30-32-W	**4/20/2011**	**C-Zone**	**--**	**--**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<10**	**ND<10**	**ND<10**	**320**	**ND<10**	**ND<10**	**ND<10**	**ND<10**	**ND<10**	
SB-31-8-W	**4/20/2011**	**A-Zone**	**--**	**--**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	

TABLE 7

GRAB GROUNDWATER ANALYTICAL RESULTS: VOLATILE ORGANIC COMPOUNDS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Boring ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft msl)*	*Depth to Water (ft)*	*Benzene*	*Toulene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Chloroethane*	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Trichloroethene*	*1,2-Dichlorobenzene*	*cis-1,2-Dichloroethene*	*1,1-Dichloroethane*	*1,2-Dichloroethane*	*Vinyl Chloride*	*Notes*
					←							*ug/L*						→	
SB-31-22-W	**4/19/2011**	**B-Zone**	**--**	**--**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	
Previous SCI Samples																			
Interior	2/20/2002		---	---	**47**	ND<5.0	**9.4**	**114**				ND<5.0	ND<5.0		ND<5.0			ND<5.0	
Exterior	2/20/2002		---	---	ND<7.1	ND<7.1	ND<7.1	**24**				**83**	ND<7.1		**9.6**			ND<7.1	

Abbreviations and Notes:

mg/L = micrograms per liter
(TOC) = Top of temporary casing in feet above mean seal level.
ft msl = Feet above mean sea level.
ftb = feet below grade (surface).
ND<0.5 = Not Detected above detection limit cited.
--- = Not available, not analyzed, or does not apply
NW = No groundwater for sample.
Volatile organic compounds by EPA Method 8260B
Grab groundwater samples may have been collected without protection against cross contamination between groundwater zones; may not be discrete.
A-Zone ~3.5 to 12 ft below grade (bg)
B-Zone ~13 to 24 ft bg
C-Zone ~25 to 40 ft bg
* = Sample 18B collected in the C-zone
a = TPH pattern that does not appear to be derived from gasoline
b = No recognizable pattern.
c = Stoddard solvent/mineral spirit.
d = Diesel range compounds are significant; no recognizable pattern.
e = Gasoline range compounds are significant.
f = One to a few isolated peaks present
g = Oil range compounds are significant.
h = Lighter than water immiscible sheen/product is present.
i = Liquid sample contains greater than ~1 vol. % sediment.
j = Unmodified or weakly modified gasoline is significant
k = TPHg range non-target isolated peaks subtracted out of the TPHg concentration
l = Heavier gasoline compounds are significant (aged gasoline?)
m = Strongly aged gasoline or diesel range compounds are significant
n = Laboratory note: lighter than water immiscible sheen/product is present
o = Laboratory note: liquid sample that contains greater than `2vol.. % sediment
p = Laboratory note: sample diluted due to high organic content
q = Laboratory note: reporting limit rasied due to insufficient sample amount

TABLE 8

SHALLOW SOIL VAPOR ANALYTICAL RESULTS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Interval (fbg)*	*PCE (ug/m^3)*	*TCE (ug/m^3)*	*TPHss (ug/m^3)*	*TPHg (ug/m^3)*	*Benzene (ug/m^3)*	*Toluene (ug/m^3)*	*Ethylbenzene (ug/m^3)*	*m,p-Xylene (ug/m^3)*	*o-Xylene (ug/m^3)*	*cis-1,2-DCE (ug/m3)*	*trans-1,2-DCE (ug/m3)*	*Vinyl Chloride (ug/m3)*	*Oxygen (%)*	*Methane (%)*	*Carbon Dioxide (%)*	*Helium (%)*
VW-1	9/17/2009	4-5	<8,100	<6,400	>730,000	14,000,000	<3,800	<4,500	<5,200	<5,200	<5,200	<4,700	<4,700	<3,000	1.3	0.39	16	<0.12
	12/9/2009	**4-5**	**<970**	**<770**	**>1,900,000**	**6,500,000**	**<460**	**<540**	**<620**	**<620**	**<620**	**<570**	**<570**	**<360**	**1.3**	**0.1**	**15**	**<0.022**
VW-2	9/17/2009	4-5	620	<84	650,000	460,000	<50	<58	<68	<68	<68	<62	<62	<40	11	0.089	8.8	<0.12
	12/9/2009	**4-5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
VW-3	9/17/2009	4-5	<8,100	<6,400	>1,100,000	12,000,000	<3,800	<4,500	<5,200	<5,200	<5,200	<4,700	<4,700	<3,000	1.2	3.2	17	<0.12
	12/9/2009	**4-5**	**<170**	**<140**	**--**	**6,500,000**	**<81**	**<95**	**<110**	**<110**	**110**	**<100**	**<100**	**<65**	**1.4**	**2.1**	**15**	**<0.13**
VW-4	9/17/2009	4-5	170	<6.5	11,000	3,300	<3.9	<4.6	<5.2	<5.2	<5.2	<4.8	<4.8	<3.1	16	0.0015	5.2	<0.12
	12/9/2009	**4-5**	**100**	**<6.0**	**--**	**1,100**	**<3.6**	**<4.2**	**<4.9**	**<4.9**	**<4.9**	**<4.4**	**<4.4**	**<2.9**	**16**	**<0.00022**	**4.9**	**<0.11**
VW-5	9/17/2009	3-4.5	<2,800	<2,200	>1,100,000	12,000,000	<1,300	<1,600	<1,800	<1,800	<1,800	<1,600	<1,600	<1,000	1.3	10	11	<0.12
	12/9/2009	**3-4.5**	**<750**	**<590**	**>1,200,000**	**7,400,000**	**<350**	**<410**	**<480**	**<480**	**<480**	**<440**	**<440**	**<280**	**1.2**	**8.3**	**8**	**<0.11**
VW-6	9/17/2009	3-4.5	<8.6	<6.8	9,300	51,000	<4.0	<4.8	<5.5	<5.5	<5.5	<5.0	<5.0	<3.2	4.6	0.013	17	<0.13
	12/9/2009	**3-4.5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
VW-7	9/17/2009	3-4.3	13	<6.8	<3,300	940	<4.0	<4.8	<5.5	<5.5	<5.5	<5.0	<5.0	<3.2	3.8	<0.00025	13	<0.13
	12/9/2009	**3-4.3**	**<7.6**	**<6.0**	**--**	**1,800**	**<3.6**	**<4.2**	**<4.9**	**<4.9**	**<4.9**	**<4.4**	**<4.4**	**<2.9**	**1.3**	**2.1**	**10**	**<0.11**
VW-8	9/17/2009	4-5	<81	<64	21,000	100,000	<38	<45	<52	<52	<52	64	<47	1,600	1.2	1.5	17	<0.12
	12/9/2009	**4-5**	**<16**	**<12**	**--**	**38,000**	**<7.4**	**<8.8**	**<10**	**<10**	**<10**	**46**	**<9.2**	**1,300**	**1.4**	**0.79**	**11**	**<0.12**
VW-9	9/17/2009	4-5	<76	<60	73,000	520,000	<36	54	<49	51	<49	<44	<44	<29	2.5	9.5	7.5	<0.11
	12/9/2009	**4-5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Duplicate Samples																		
VW-4-Dup (lab)	9/24/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	16	0.0015	5.2	<0.12
VW-7-Dup (field)	9/17/2009	3-4.3	12	<6.8	<3,300	940	<4.0	<4.8	<5.5	<5.5	<5.5	<5.0	<5.0	<3.2	4.0	<0.00025	13	<0.13
VW-8-Dup (lab)	9/17/2009	--	<160	<130	--	110,000	<76	<90	<100	<100	<100	<94	<94	1,800	--	--	--	--
VW-9-Dup (lab)	9/24/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5	9.6	7.5	<0.11

Abbreviations and Analyses:
<n = Not dectected (ND) above laboratory detection limit, n.
>n = Compound present at concentrations exceeding instrument calibration range, n.
ug/m^3 = Microgram per cubic meter.
% = Percent
-- = Not Analyzed, Not Avaliable
ft = Measured in feet
TPHss by EPA Method TO-17
TPHg by EPA Method TO-15 GC/MS
Benzene, Toluene, Ethylbenzene, m,p&o-Xylenes and five HVOCs by modified EPA Method TO-15 GC/MS
Oxygen, Methane, Carbon Dioxide, Helium by ASTM D-1946

TABLE 9

SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Sample ID	*Date Sampled*	*Sample Interval (fbg)*	*PCE (ug/m^3)*	*TCE (ug/m^3)*	*TPHss (ug/m^3)*	*TPHg (ug/m^3)*	*Benzene (ug/m^3)*	*Toluene (ug/m^3)*	*Ethylbenzene (ug/m^3)*	*m,p-Xylene (ug/m^3)*	*o-Xylene (ug/m^3)*	*cis-1,2-DCE (ug/m3)*	*trans-1,2-DCE (ug/m3)*	*Vinyl Chloride (ug/m3)*	*Oxygen (%)*	*Methane (%)*	*Carbon Dioxide (%)*	*Helium (%)*
RWQCB-SFBR Environmental Screening Levels for Soil Gas - Vapor Intrusion Concerns (Table E, May 2008)																		
Commercial/Industrial Land Use			1,400	4,100	29,000	29,000	280	180,000	3,300	58,000	58,000	20,000	41,000	100				
Residential Land use			410	1,200	10,000	10,000	84	63,000	980	21,000	21,000	7,300	15,000	31				
SSVP-1	**5/4/2011**	**0.16**	**230**	**<5.9**	**<320**	**<220**	**<3.5**	**<4.2**	**<4.8**	**<4.8**	**<4.8**	**<4.4**	**<4.4**	**<2.8**	**18**	**<0.00022**	**2.8**	**0.69**
SSVP-2	**5/4/2011**	**0.16**	**9,700**	**180**	**3,800**	**<990**	**<15**	**<18**	**<21**	**<21**	**<21**	**<19**	**<19**	**<12**	**15**	**<0.00050**	**6.8**	**<0.25**
SSVP-3	**5/5/2011**	**0.29**	**61**	**<6.3**	**<340**	**<240**	**<3.7**	**<4.4**	**<5.0**	**<5.0**	**<5.0**	**<4.6**	**<4.6**	**<3.0**	**18**	**<0.00023**	**2.4**	**<0.12**
SSVP-4	**5/5/2011**	**0.33**	**13**	**<6.3**	**<340**	**<240**	**<3.7**	**4.7**	**<5.0**	**<5.0**	**<5.0**	**<4.6**	**<4.6**	**<3.0**	**19**	**<0.00023**	**1.6**	**1.3**
SSVP-5	**5/5/2011**	**0.33**	**36**	**6.2**	**<340**	**<240**	**<3.7**	**<4.4**	**<5.0**	**<5.0**	**<5.0**	**<4.6**	**<4.6**	**<3.0**	**19**	**0.00026**	**2.2**	**<0.12**
SSVP-6	**5/4/2011**	**0.33**	**18**	**<10**	**<550**	**<390**	**<6.0**	**7.3**	**<8.2**	**<8.2**	**<8.2**	**<7.5**	**<7.5**	**<4.8**	**35**	**<0.00088**	**1.8**	**<0.44**
SSVP-7	**5/4/2011**	**0.33**	**170**	**<6.4**	**<350**	**<240**	**<3.8**	**<4.5**	**<5.2**	**<5.2**	**<5.2**	**<4.8**	**<4.8**	**<3.1**	**20**	**<0.00024**	**1.7**	**<0.12**
SSVP-8	**5/4/2011**	**0.75**	**1,000**	**10**	**780**	**<250**	**<3.9**	**<4.6**	**<5.3**	**<5.3**	**<5.3**	**<4.9**	**<4.9**	**<3.1**	**19**	**<0.00025**	**2.4**	**<0.12**
SSVP-9	**5/4/2011**	**0.33**	**460**	**8**	**4,800**	**2,400**	**<3.7**	**<4.4**	**<5.0**	**<5.0**	**<5.0**	**<4.6**	**<4.6**	**<3.0**	**9.9**	**0.00035**	**9.1**	**0.43**
Duplicate Sample																		
SSVP-7-Dup (field)	**5/4/2011**	**0.33**	**170**	**<6.4**	**<350**	**<240**	**<3.8**	**<4.5**	**<5.2**	**<5.2**	**<5.2**	**<4.7**	**<4.7**	**<3.0**	**20.0**	**<0.00024**	**1.7**	**<0.12**

Abbreviations and Analyses:
<n = Not dectected (ND) above laboratory detection limit, n.
>n = Compound present at concentrations exceeding instrument calibration range, n.
ug/m^3 = Microgram per cubic meter.
% = Percent
-- = Not Analyzed, Not Avaliable
ft = Measured in feet
TPHss by EPA Method TO-17
TPHg by EPA Method TO-15 GC/MS
Benzene, Toluene, Ethylbenzene, m,p&o-Xylenes and five HVOCs by modified EPA Method TO-15 GC/MS
Oxygen, Methane, Carbon Dioxide, Helium by ASTM D-1946

APPENDIX A

REGULATORY CORRESPONDENCE

Foss, Bob (Robert)

From: Jakub, Barbara, Env. Health [barbara.jakub@acgov.org]
Sent: Thursday, March 18, 2010 3:32 PM
To: Foss, Bob (Robert)
Cc: schrag@nady.com
Subject: RE: Nady Property, 1137-1167 65th St, Oakland

Dear Mr. Schrag and Mr. Foss,
You may prepare a work plan for the site. However, since we have not reviewed the previous work including the Investigation plan that we received on March 1, 2010, we have not agreed with the recommendations in that report. Modifications to the work plan may be required after the investigation report and work plan are reviewed.
Regards,

Barbara Jakub, P.G.
Alameda County Environmental Health
(510) 639-1287 (direct)
(510) 337-9335 (fax)
barbara.jakub@acgov.org

Online case files are available at the website below
http://www.acgov.org/aceh/lop/resources.htm

From: Foss, Bob (Robert) [mailto:bfoss@craworld.com]
Sent: Thursday, March 18, 2010 11:52 AM
To: Jakub, Barbara, Env. Health
Cc: schrag@nady.com
Subject: Nady Property, 1137-1167 65th St, Oakland

Ms. Jakub:

In your February 25 email responding to our request for your concurrence to conduct ambient air sampling within the building(s) at the subject site you had stated that, in several respects, the DTSC guidelines had not been fully addressed. As you are aware, the specific objective of that intended sampling event was to collect baseline sample data prior to occupancy by a new tenant whose business would compromise indoor air quality due to the materials they use. As a result of your workload and consequent inability to grant approval of this "fast track" plan to collect these samples, the client decided to hold off on the sampling.

I know that you are very busy with conducting case reviews as mandated by the SWRCB at this time, but I would like to propose that CRA, on behalf of Mr. Nady, generate and submit a workplan that follows, with minor modification, the recommendations proposed in the *Additional Site Characterization Report* submitted to you on February 25, 2010. The modification to the recommendation consists of proceeding in the customary sequence of installing sub-slab vapor probes and collecting sub-slab vapor samples prior to collecting indoor ambient air samples. Evaluation of sample results will determine the next sequential step. But this will be elaborated on in a more formal and detailed workplan than was presented in the rushed attempt collect samples in late February.

Additionally, this workplan will include a planned scope of work to conduct additional soil borings along Ocean Avenue in another attempt to collect A-zone water samples since no A-zone water was present during the August 2009 drilling of borings SB-27 and SB-28.

We at CRA and Mr. Nady wish to continue moving this project forward and request your concurrence with the proposed workplan. While we do not want to be bothersome to you as we know you are currently engaged in the State-mandated case reviews, we encourage you to review the submitted *Additional Site Characterization Report* at your earliest convenience. Thank you for your consideration.

Bob Foss

Robert C. Foss, P.G.
Conestoga-Rovers & Associates (CRA)
5900 Hollis Street, Suite A
Emeryville, CA 94608
(510) 420-3348 office
(925) 413-8707 cell
(510) 420-9170 fax

From: Jakub, Barbara, Env. Health [barbara.jakub@acgov.org]
Sent: Thursday, March 31, 2011 3:35 PM
To: schrag@nady.com
Cc: Foss, Bob (Robert)
Subject: RE: RO 82 Report Upload

Dear Messrs. Nady, Shrag and Foss,

Alameda County Environmental Health (ACEH) does not concur with sampling beneath the asphalt as an alternative to sub-slab sampling of the daycare facility. The conditions beneath the asphalt road are not the same as beneath the daycare facility and would not be representative of those conditions. The work would cost additional money for no added benefit and the Fund will not reimburse you for the costs incurred to perfrorm the sub sample the sub-asphalt sampling. However, ACEH concurs with the sub-slab sampling in the Wareham building, the soil borings and in preparing the SCM, to move this site along. Please perform the work and submit the following report by **July 1, 2011** – Soil and Water Investigation Report and SCM.

Regards,

Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Pky.
Alameda, CA 94502
Direct: 510-639-1287
Fax: 510-337-9335

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

August 3, 2010

Mr. John Nady
Nady Systems
11 Glen Alpine Road
Piedmont, CA 94611

Subject: Work Plan Denial for Fuel Leak Case No. RO0000082 and Geotracker Global ID T0600138389, Nady System Inc., 1137 65th St., Oakland, CA 94608

Dear Mr. Nady:

Thank you for the recently submitted documents entitled*, Additional Site Characterization Report* dated February 25, 2010 and *Sub-Slab Vapor Probe Installation and Additional Site Assessment Workplan*, dated May 14, 2010, which were prepared by Conestoga-Rovers & Associates for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned report and work plan for the above-referenced site.

The above-mentioned work plan does not include utility/conduit locations or the rationale for locating sub-slab vapor sampling points in the street rather than within the day care center and adjacent buildings where the risk is unevaluated. The scope of work presented in the work plan has not been adequately justified and cannot be approved at this time. ACEH requests that you address the following technical comments and send us a work plan addendum plan as requested below.

TECHNICAL COMMENTS

1. **Sub-Slab Vapor Sampling Locations –** CRA proposed installing one on-site sub-slab vapor point inside the building immediately adjacent to a floor drain. However, utility conduits are not depicted on the map. Since there is a potential for contaminant vapor migration along preferential pathways (i.e. existing utility corridors) that are present at the site and in the street, we request that the locations of all conduits be depicted on the map and the soil vapor sampling points located accordingly. Please submit a conduit study with the work plan addendum by the due date requested below.

   CRA proposed off-site sub-slab soil vapor samples adjacent to buildings including a daycare. There was no discussion of the daycare building's construction presented in the

work plan (i.e. if the building is slab-on-grade or if a crawl space is present) and no explanation of why sub-slab samples are proposed adjacent to the buildings in what appears to be the street rather than in the buildings themselves to assess the vapor pathway. Once again, the conduits should be fully investigated and plotted on the map to ensure that sampling points are located appropriately.

2. **Sub-Slab Vapor Sampling Procedures –** The work plan states that workers will wait 30 minutes for the cement to cure and for equilibration of subsurface conditions. EPA's *Standard Operating Procedure for Installation of Sub-Slab Vapor Probes and Sampling Using EPA Method TO-15 to Support Vapor Intrusion Investigations* recommends allowing at least 24 hours before sampling. Please adjust your sampling in accordance with the EPA's recommendation.

3. **Site Conceptual Model –** A request for general mineral, BOD, COD, TDS, isotopes, etc. was made at the April 22, 2008 meeting. These analyses were performed in September 2009. The data obtained from these analyses was to be incorporated into a site conceptual model. This has not been submitted. At this juncture, it is appropriate to develop a site conceptual model (SCM), which synthesizes all the analytical data and evaluates all potential exposure pathways and potential receptors that may exist at the site, including identifying or developing site cleanup objectives and goals. At a minimum, the SCM should include the following, (many of which you have already completed separately):
    - Local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.) extent of contamination, direction and rate of groundwater flow, potential preferential pathways, and locations of receptors;
    - Geologic cross section maps that illustrate subsurface features, man-made conduits, and lateral and vertical extent of contamination;
    - Plots of chemical concentrations versus time;
    - Plots of chemical concentrations versus distance from the source;
    - Summary tables of chemical concentrations in different media (i.e. soil, groundwater, and soil vapor); and
    - Well logs, boring logs, and well survey maps;
    - Discussion of likely contaminant fate and transport.

    Please submit the SCM by the due date requested below.

4. **Perjury Statement –** All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company not by the consultant. Please ensure that all future reports and technical documents submitted for this fuel leak case are signed by Mr. Nady not the consultant.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Barbara Jakub), according to the following schedule:

- **September 30, 2010** – Work Plan Addendum with conduit study
- **Sixty Days After Soil Vapor Sampling** – SCM

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,

Barbara J. Jakub

Digitally signed by Barbara J. Jakub
DN: cn=Barbara J. Jakub, o, ou, email=barbara.jakub@acgov.org, c=US
Date: 2010.08.03 16:58:02 -07'00'

Barbara J. Jakub, P. G.
Hazardous Materials Specialist

Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Bob Foss, Conestoga-Rovers & Associates, 5900 Hollis St, Suite A, Emeryville, CA (via e-mail: bfoss@craworld.com)
Frederick Shrag, 6701 Shellmound Street, Emeryville, CA 94608 (via e-mail: schrag@nady.com)
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Barbara Jakub, ACEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
GeoTracker, File

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention: RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers are not supported.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

BORING LOGS

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-1A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	10-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	10-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (19 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	39.95
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	39.64 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	4.5 to 14.5 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	7.0 ft (10-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	4.5 ft (03-Jun-04) ▼
REMARKS	Located in Peabody Lane.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 2 inches thick.	0.3	Portland Type I/II Cement
						ML		**Clayey SILT** (ML): black; stiff; moist; 30% clay, 50% silt, 10% very fine to fine grained sand, 10% angular to subround gravel to 10mm; low plasticity; low estimated permeability.		Bentonite Seal
								@ 4': becomes blue gray. ▼	5.0	Monterey Sand #2/12
					5			No soil samples observed below 5 ft. See boring log for MW-1C for lithology. ▽		
					10					2"-diameter, 0.010" Slotted Schedule 40 PVC
									14.5	Bottom of Boring @ 14.5 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-1B
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	12-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (19 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	39.88
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	39.50 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	16.5 to 20 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	7.0 ft (12-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	14.4 ft (03-Jun-04) ▼
REMARKS	Located in Peabody Lane.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						ML		**ASPHALT**: 3 inches thick. **Clayey SILT** (ML): black; stiff; moist; 30% clay, 50% silt, 10% very fine to fine grained sand, 10% angular to subround gravel to 10mm; low plasticity; low estimated permeability. @ 4': becomes blue gray.	0.3	
					5			No soil samples observed below 5 ft. See boring log for MW-1C for lithology.	5.0	Portland Type I/II Cement
					10					Bentonite Seal
					15					Monterey Sand #2/12
					20				20.0	2"-diameter, 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 20 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-1C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	10-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	10-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (25 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	39.91
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	39.49 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	25 to 34 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	7.0 ft (10-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	9.4 ft (03-Jun-04) ▼
REMARKS	Located in Peabody Lane.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								ASPHALT: 3 inches thick.	0.3
								Clayey SILT (ML): black; stiff; moist; 35% clay, 50% silt, 10% very fine to fine grained sand, 5% angular to subround gravel to 10mm; low plasticity; low estimated permeability.	
								@ 4': becomes blue gray and very stiff.	
0		10 28 40	MW-1C @6.5		5	ML		@ 7': becomes wet. ▽	
		28 68 50 for 3"	MW-1C @9.5					@ 9': becomes hard. ▼	
212		10 15 36 38 48			10			@ 10': becomes moist. @ 11': becomes wet.	
89		44 27 30 40				SM		**Silty SAND** (SM): blue gray; very stiff; moist; 10% clay, 30% silt, 50% fine to medium grained sand, 10% gravel to 30mm; moderate estimated permeability.	12.5
0		37 38 55 25	MW-1C @14.5		15	CL SC		**Silty CLAY** (CL): orange brown; very stiff; damp; 50% clay, 35% silt, 15% very fine to fine grained sand, 5% gravel to 8mm; low plasticity; low estimated permeability.	14.5 15.0
		55 70 11	MW-1C @17.5			SM		**Clayey SAND** (SC): orange brown; dense; moist; 30% clay, 10% silt, 50% fine to medium grained sand, 10% gravel to 40mm; moderate estimated permeability.	16.5
0		22 40 22 50 for 3"	MW-1C @20		20			**Silty SAND** (SM): orange brown; dense; wet; 10% clay, 30% silt, 60% very fine to fine grained sand; moderate estimated permeability. @ 17': becomes damp and very dense.	18.0
0		14 32 55 22 41	MW-1C @23			ML		**Sandy SILT** (ML): orange brown; stiff; damp; 10% clay, 50% silt, 30% very fine to fine grained sand, 10% gravel; low plasticity; low estimated permeability; some light gray veins; FeO2 nodules. @ 19.5: becomes hard. @ 20.5': becomes moist.	
0		60 24 30 60 40	MW-1C @25		25	SM		@ 21.5': becomes very stiff; 10% clay, 50% silt, 30% sand, 10% well rounded gravel to 40mm. @ 23': becomes mottled orange brown - light gray.	24.5 25.0
		100 25 35 38 32						**Silty SAND** (SM): orange brown; very dense; wet; 10% clay, 30% silt, 50% fine to very coarse grained sand, 10% gravel; moderate estimated permeability.	
0		75 31 60 51	MW-1C @29 MW-1C @31		30	SM		**Gravelly Silty SAND** (SM): orange brown; very dense; wet; 10% clay, 20% silt, 55% fine to very coarse grained sand, 15% angular gravel to 30mm; moderate estimated permeability.	32.5
		31 50 60 36 60				SM		**Silty SAND** (SM): orange brown; very dense; wet; 10% clay, 30% silt, 60% medium to very coarse grained sand; moderate estimated permeability.	34.0
0		75 for 3" 21 36			35			**Sandy SILT** (ML): orange brown; very stiff; moist; 10%	

WELL DIAGRAM: Portland Type I/II Cement; Bentonite Seal; Monterey Sand #2/12; 2"-diameter, 0.010" Slotted Schedule 40 PVC

Continued Next Page

Cambria Environmental Technology, Inc.
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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-1C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	10-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	10-May-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
		62 100 for 6"	MW-1C @35			ML		clay, 60% silt, 30% very fine to medium grained sand; low plasticity; low estimated permeability. @ 35': becomes hard.	37.0	Bentonite Plug
0		14 18 23 27 28 35	MW-1C @38 MW-1C @39.5		40	SM		**Gravelly Silty SAND** (SM): light gray; medium dense; wet; 10% clay, 25% silt, 50% very fine to very coarse grained sand, 15% well rounded gravel to 30mm; moderate estimated permeability. @ 39': as above with angular gravel to 10mm.	40.0	Bottom of Boring @ 40 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-3A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (30 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	41.05
DRILLING METHOD	Hollow-stem auger/Direct Push	**TOP OF CASING ELEVATION**	40.88 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	3.5 to 14 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (07-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	4.3 ft (03-Jun-04) ▼
REMARKS	Located in breezeway area.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
118						CL		**CONCRETE**: 3 inches thick. **Silty CLAY** (CL): medium brown; soft; moist; 60% clay, 30% silt, 10% very fine grained sand; medium plasticity; low estimated permeability. @ 3': becomes light brown.	0.3 4.0	Portland Type I/II Cement Bentonite Seal Monterey Sand #2/12
584			MW-3A @5.5	P	5	SC		**Clayey SAND** (SC): green gray; soft; wet; 30% clay, 10% silt, 60% fine to medium grained sand; moderate estimated permeability. @ 5': becomes dark gray; 20% clay, 80% fine to very coarse grained sand; high estimated permeability.		
230				O						2"-diameter, 0.010" Slotted Schedule 40 PVC
			MW-3A @10.5	P	10			@ 10': becomes green gray.		
86				P		CL		**Silty CLAY** (CL): light brown; very stiff; damp; 60% clay, 40% silt; low plasticity; low estimated permeability.	11.0	
	11		MW-3A @15	P	15	CL		**Sandy Silty CLAY** (CL): orange brown; very stiff; damp; 40% clay, 30% silt, 20% medium grained sand, 10% well rounded gravel to 40mm; low plasticity; low estimated permeability.	14.0 16.0	Slough from Caving Bottom of Boring @ 16 ft

MW-3B and -3C follow MW-7A

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-5B
JOB/SITE NAME	65th Street	**DRILLING STARTED**	18-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	18-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (19 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	39.45
DRILLING METHOD	Hollow-stem auger/Direct Push	**TOP OF CASING ELEVATION**	38.98 ft
BORING DIAMETER	8 Inches	**SCREENED INTERVAL**	15 to 24 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	8.8 ft (03-Jun-04)
REMARKS	Located in northwest corner of property.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								CONCRETE: 6 inches thick.	0.5
						ML		**Clayey SILT** (ML): dark brown; very stiff; damp; 30% clay, 50% silt, 10% sand, 10% gravel to 15mm; low plasticity; low estimated permeability.	
					5				5.0
0			MW-5B @5			ML		**Clayey SILT** (ML): dark brown; very stiff; damp; 20% clay, 80% silt; low plasticity; low estimated permeability.	6.5
0						ML		**SILT** (ML): olive gray; very stiff; dry; 10% clay, 90% silt; low plasticity; low estimated permeability. ▼	
			MW-5B @10		10				10.0
						ML		**Sandy SILT** (ML): orange brown; very stiff; damp; 10% clay, 60% silt, 30% fine to coarse grained sand; low plasticity; low estimated permeability.	
282			MW-5B @15		15	ML		**Sandy SILT** (ML): green gray; very stiff; damp; 10% clay, 60% silt, 20% fine to very coarse grained sand, 10% angular gravel to 20mm; low plasticity; low estimated permeability.	15.0
								Clayey SILT (ML): medium brown; stiff; moist; 30% clay, 70% silt; low plasticity; low estimated permeability.	17.5
0			MW-5B @20		20	ML		@ 20': becomes medium stiff.	
						ML		**Sandy SILT** (ML): medium brown; stiff; moist; 10% clay, 70% silt, 20% fine to very coarse grained sand; low plasticity; low estimated permeability.	22.0
0			MW-5B @24					@ 23': becomes very stiff and damp.	24.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 24 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

Cambria Environmental Technology, Inc.
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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-6A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	11-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	11-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (19 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	38.29
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	37.98 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	4.5 to 14.5 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	12.0 ft (11-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	6.0 ft (03-Jun-04) ▼
REMARKS	Located in Peabody Lane.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						ML		**ASPHALT**: 2 inches thick.	0.2	Portland Type I/II Cement
								Gravelly Sandy SILT (ML): dark brown; stiff; moist; 10% clay, 50% silt, 25% fine to medium grained sand, 15% gravel to 30mm; low plasticity; moderate estimated permeability.	2.0	Bentonite Seal
						ML		**Sandy SILT** (ML): green gray; medium stiff; moist; 10% clay, 60% silt, 30% sand; low plasticity; moderate estimated permeability.		Monterey Sand #2/12
					5			@ 3': becomes 10% clay, 50% silt, 30% fine to very coarse grained sand, 10% gravel to 30mm.	5.0	
								@ 4': becomes 10% clay, 50% silt, 40% sand.		
								No soil samples observed 5 to 14.5 ft bgs. See boring log for MW-6C for lithology.		
					10			@ 12': auger cuttings were wet. ▽		2"-diameter, 0.010" Slotted Schedule 40 PVC
									14.5	Bottom of Boring @ 14.5 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-6B
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	12-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (20 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	38.16
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	37.66 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	17 to 22 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	15.5 ft (12-May-04)
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	8.3 ft (03-Jun-04)
REMARKS	Located in Peabody Lane.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						ML		**ASPHALT**: 2.5 inches thick.	0.2
						ML		**Gravelly Clayey SILT** (ML): dark brown; stiff; moist; 30% clay, 55% silt, 5% fine to medium grained sand, 10% gravel to 30mm; low plasticity; low estimated permeability.	2.0
					5	ML		**Sandy SILT** (ML): green gray; medium stiff; moist; 10% clay, 60% silt, 30% sand; low plasticity; moderate estimated permeability. @ 3': becomes 10% clay, 50% silt, 30% fine to very coarse grained sand, 10% gravel to 30mm. @ 4': becomes 10% clay, 50% silt, 40% sand. No soil samples collected 5 to 14 ft bgs. See boring log for MW-6C for lithology.	5.0
					10			@ 10': Auger cuttings become wet.	
33		11 13 15			15	ML		**Clayey SILT** (ML): light brown; stiff; moist; 30% clay, 70% silt; low plasticity; low estimated permeability; some blue gray staining.	14.0 15.5
3160		13 16 22				SM		**Silty SAND** (SM): medium green gray; medium dense; wet; 10% clay, 30% silt, 60% fine to medium grained sand; moderate estimated permeability.	
16		26 38 42			20	ML		**Sandy SILT** (ML): orange brown; very stiff; moist; 60% silt, 40% fine grained sand; moderate plasticity; moderate estimated permeability. @ 19': No recovery.	18.0
		20 32 30				ML		**Gravelly Sandy SILT** (ML): orange brown; stiff; moist; 50% silt, 25% very fine to medium grained sand, 25% gravel to 20mm; low plasticity; moderate estimated permeability; mottled.	21.0 22.0
21		15 17 21 17 22 26 8 11 18				ML		**Clayey SILT** (ML): orange brown; stiff; moist; 30% clay, 70% silt; low plasticity; low estimated permeability.	24.5

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC
- Bentonite Plug
- Bottom of Boring @ 24.5 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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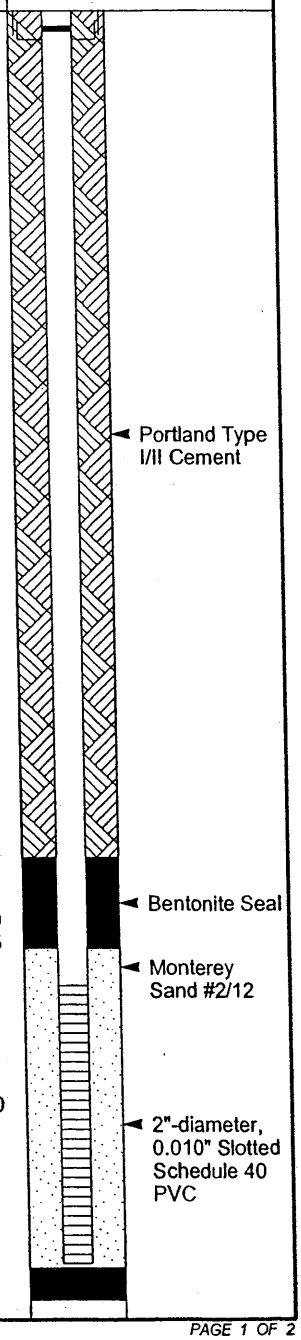
BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-6C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	11-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	11-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (28 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	38.07
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	37.59 ft
BORING DIAMETER	8 inches	**SCREENED INTERVAL**	26.5 to 34 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	15.0 ft (11-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	9.7 ft (03-Jun-04) ▼
REMARKS	Located in Peabody Lane.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0	ML	**ASPHALT**: 2 inches thick.	0.2
						Clayey SILT (ML): dark brown; stiff; moist; 30% clay, 55% silt, 5% sand, 10% gravel to 30mm; low plasticity; low estimated permeability.	3.0
39		5 9 15	MW-6C @5.5	5	ML	**Sandy SILT** (ML): green gray; stiff; damp; 10% clay, 60% silt, 30% very fine to fine grained sand; low plasticity; low estimated permeability.	
95		7 10 15	MW-6C @11	10	ML	**Sandy SILT** (ML): green gray; stiff; moist; 10% clay, 50% silt, 25% fine to very coarse grained sand, 15% angular gravel to 10mm; low plasticity; moderate estimated permeability.	10.0 ▼
224		7 12 18	MW-6C @16	15	ML	**Clayey SILT** (ML): green gray/olive gray; stiff; wet; 20% clay, 70% silt, 10% sand; low plasticity; low estimated permeability; mottled.	15.0 ▽ 16.0
						Clayey SILT (ML): orange brown; stiff; damp; 30% clay, 70% silt; low plasticity; low estimated permeability.	
0		10 16 26	MW-6C @21	20	ML	@ 20': becomes very stiff; 30% clay, 65% silt, 5% very fine grained sand; FeO2 nodules.	
				25	ML	**Clayey SILT** (ML): light brown; stiff; wet; 30% clay, 70% silt; low plasticity; low estimated permeability.	25.0 25.5
0		10 13 24	MW-6C @26.5		ML	**Clayey SILT** (ML): light brown; very stiff; damp; 30% clay, 70% silt; low plasticity; low estimated permeability; laminar layering.	
0		7 10 14	MW-6C @31	30	ML	**Sandy SILT** (ML): light gray/light brown; medium stiff; wet; 10% clay, 50% silt, 40% fine grained sand; low plasticity; moderate estimated permeability; mottled.	30.0
				35			



WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-6C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	11-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	11-May-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		16 22 30 22	MW-6C @36.5					@ 35': becomes very stiff; damp; 10% clay, 70% silt, 20% very fine grained sand, low estimated permeability.	37.0	◄ Bentonite Plug
0		36 28 16 26 50	MW-6C @37.5 MW-6C @39.5			ML		**Gravelly SILT** (ML): light brown; very stiff; wet; 10% clay, 60% silt, 10% sand, 20% gravel to 30mm; low plasticity; moderate estimated permeability.	39.5	Bottom of Boring @ 39.5 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-7A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-May-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-May-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	24-May-04 (6 gallons)
DRILLER	Precision	**GROUND SURFACE ELEVATION**	40.74
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	40.58 ft
BORING DIAMETER	6 inches to 6 ft, 4 inches to 10 ft	**SCREENED INTERVAL**	5 to 10 ft bgs
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	6.0 ft (07-May-04) ▽
REVIEWED BY	N. Siler, RG #7004	**DEPTH TO WATER (Static)**	4.5 ft (03-Jun-04) ▼
REMARKS	Located inside Berkeley Architectural Salvage building.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								CONCRETE: 4 inches thick.	0.3
						ML		**Clayey SILT** (ML): dark brown; stiff; damp; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.	
0								@ 3': becomes soft; 30% clay; 50% silt, 10% fine grained sand, 10% well rounded gravel to 20mm.	
27					5	CH		**Silty CLAY** (CH): green gray; soft; moist; 60% clay, 40% silt; high plasticity; low estimated permeability. ▼	5.0
555								@ 6': becomes olive gray. ▽	
691						ML		**Clayey SILT** (ML): olive gray; stiff; moist; 40% clay, 60% silt; low plasticity; low estimated permeability; strong odor.	7.0
594						ML			8.0
726						SP		**Gravelly Sandy SILT** (ML): olive gray; stiff; wet; 50% silt, 30% fine to coarse grained sand, 20% gravel to 40mm; low plasticity; moderate estimated permeability.	9.0
					10			**Gravelly SAND** (SP): olive gray; medium dense; wet; 20% silt, 50% medium to very coarse grained sand, 30% gravel to 40mm; high estimated permeability.	10.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 1"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 10 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 7/23/04

BORING / WELL LOG

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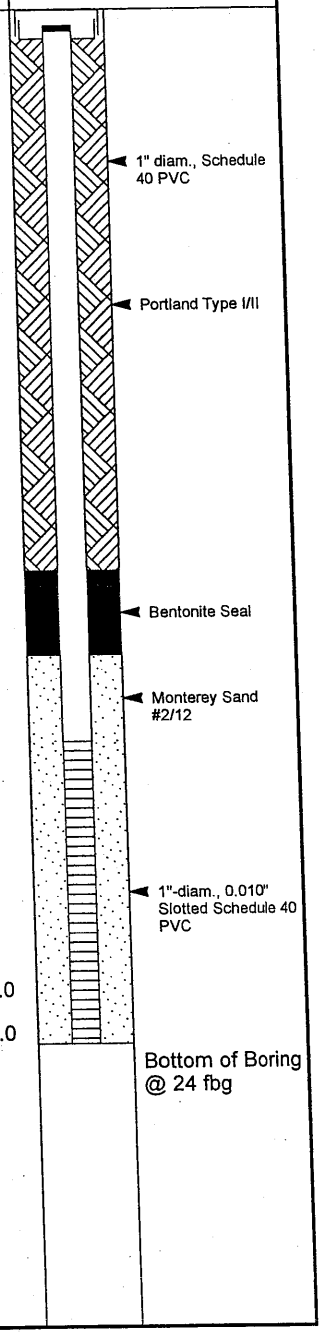
CLIENT NAME	John Nady	BORING/WELL NAME	MW-3B
JOB/SITE NAME	Nady Trust	DRILLING STARTED	12-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	17-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5 inches	SCREENED INTERVALS	17 to 24 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Concrete	0.5
					CL		**Silty CLAY with Sand:** Olive grey; dry; 60% clay, 30% silt, 10% fine grained sand; moderate plasticity, low estimated permeability.	4.0
2		MW-3B -5		5	SM		**Clayey Silty SAND:** Moderate brown; moist; 45% sand, 40% silt, 15% clay; grey mottling; low plasticity, medium estimated permeability.	9.0
0				10	ML		**Clayey SILT:** Moderate yellowish brown; moist; 75% silt, 25% clay; moderate plasticity, low estimated permeability.	
0				15			@ 15fbg Dark yellowish orange; dry; very stiff	
0				20			**Clayey Sandy SILT with Gravel:** 40% silt, 30% fine grained sand, 20% clay 10% gravel; angular; gravel to 1/2" diameter; low plasticity; grey mottling observed	23.0
0					CL		**Silty Sandy CLAY:** Dark yellowish orange; 50% clay, 30% fine grained sand, 20% silt; grey mottling observed; low plasticity, low estimated permeability.	24.0

WELL DIAGRAM



WELL LOG (PID): I:\IR\6-CHARS\5210--\521000-\152BBE5-~1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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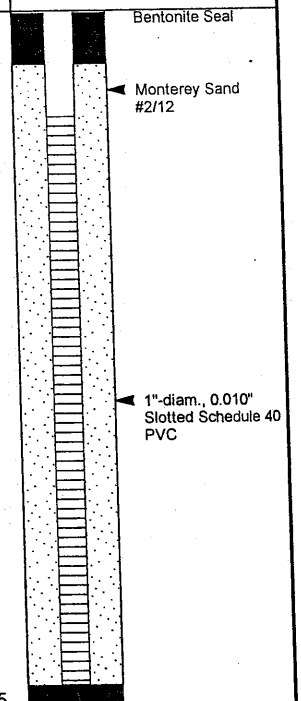
BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-3C
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Aug-09

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					CL			28.5
0		MW-3C -30		30	SM		**Silty SAND with Clay:** Dark yellowish orange; wet; 50% sand, 40% silt, 10% clay; fine to medium grain; low plasticity, low estimated permeability.	
0		MW-3C -35		35			**Clayey Silty SAND with Gravel:** Greyish orange; wet; 40% sand, 35% silt, 20% clay, 5% gravel; gravel to 1/2" diameter; angular; low plasticity, low estimated permeability.	38.5
0		MW-3C -40		40	ML		**Clayey SILT:** Greyish orange; wet; 70% silt, 30% clay; moderate plasticity, low estimated permeability; grey mottling observed	40.0

WELL DIAGRAM



WELL LOG (PID) I:\IR\6-CHARS\5210-\521000-\152BBE5-\521000-GINT.GPJ DEFAULT.GDT 9/16/09

BORING / WELL LOG

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CLIENT NAME	John Nady	BORING/WELL NAME	MW-7B
JOB/SITE NAME	Nady Trust	DRILLING STARTED	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	14-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5 inches	SCREENED INTERVALS	17 to 24 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	12.00 fbg (11-Aug-09) ▽
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Concrete	0.5
20					CL		**Silty CLAY with Sand:** Moderate brown; moist; 60% clay, 30% silt, 10% sand, fine to medium grain; moderate plasticity, low estimated permeability	
20		MW-7B -5		5				
					ML		**Clayey SILT:** Greyish olive; moist; 70% silt, 30% clay; low plasticity, low estimated permeability	6.0
					SM		**Silty Gravelly SAND:** Greyish olive; wet; 50% sand, 30% gravel, 20% silt; medium to coarse grain; gravel up to 1/2" diameter; angular; low plasticity, low estimated permeability.	9.0
				10			**Clayey Sandy SILT:** Greyish olive; 50% silt, 30% sand, 20% clay; moderate plasticity, low estimated permeability. ▽	11.0
							Clayey SILT: 80% silt, 20% clay; rust colored mottling	
							Clayey Sandy SILT: 40% silt, 40% fine grained sand, 20% clay	
				15	ML			
							@ 18.5 fbg; 60% silt, 20% clay, 20% sand; Fine to medium grain; dark grey nodules observed	
				20			**Clayey SILT with Sand:** 60% silt, 30% clay, 10% sand.	
					ML		**Clayey SILT:** Moist; 70% silt, 30% clay; stiff; moderate plasticity	23.5 24.0

WELL DIAGRAM

- Portland Type I/II
- Bentonite Seal
- Monterey Sand #2/12
- 1"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 24 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210--\521000-1\52BBE5~1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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CLIENT NAME	John Nady	BORING/WELL NAME	MW-7C
JOB/SITE NAME	Nady Trust	DRILLING STARTED	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	14-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5 inches	SCREENED INTERVALS	25 to 35 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	12.00 fbg (11-Aug-09) ▽
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Concrete	0.3
10		MW-7C -5		5	CL		**Silty CLAY with Sand:** Moderate brown; wet; 60% clay, 30% silt, 10% sand; fine to medium grain; moderate plasticity, low estimated permeability.	
148		MW-7C -7			ML		**Clayey SILT:** Greyish olive; moist; 60% silt, 40% clay; low plasticity, low estimated permeability. **Sandy SILT with Gravel:** 50% silt, 30% sand, 20% gravel; Fine to coarse grain; gravel to 1/2" diameter; angular	6.0
580		MW-7C -8.5						9.0
86		MW-7C -10		10	SM		**Silty Gravelly SAND:** Blue; moist; 50% sand, 30% gravel, 20% silt; medium to coarse grain; angular to subangular; low plasticity, low estimated permeability, increasing silt content with depth.	
12							@ 12 fbg Light olive grey ▽	12.5
0							**Clayey Sandy SILT:** Pale yellowish brown; moist; 50% silt, 30% sand, 20% clay; fine to medium grain; moderate plasticity, low estimated permeability. **Clayey SILT:** 80% silt, 20% clay; Stiff; rust color mottling observed	
0								
0				15			**Clayey Sandy SILT with Gravel:** 40% silt, 35% sand, 20% clay, 5% gravel; Fine grained sand; gravel to 3/4" diameter.	
0								
0								
0					ML		**Clayey SILT with Sand:** 65% silt, 30% clay, 5% sand; Fine to medium grain; angular; low plasticity; decreasing sand content with depth	
1		MW-7C -20		20				
0							**Clayey SILT:** Light brown; dry; 70% silt, 30% clay, very stiff	
0				25				25.0

WELL DIAGRAM: 1" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12

WELL LOG (PID) I:\IR\6-CHARS\5210-1521000-1152BBE5-1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	MW-7C
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	14-Aug-09

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0							@ 25 fbg Dark grey nodules		
				30	ML		**Gravelly SILT with Sand and Clay:** Wet; 60% silt, 20% gravel, 10% clay, 10% sand; fine grain; gravel to 1/2" diameter		Lonestar Sand #3
							Clayey SILT: Moist; 60% silt, 40% clay; moderate plasticity, low estimated permeability; increasing clay content with depth.		1"-diam., 0.010" Slotted Schedule 40 PVC
0		MW-7C -35		35				35.0	Bottom of Boring @ 35 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210-\521000~1\52BBE5~1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-14A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	09-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	09-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (09-Jan-04)
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA

REMARKS Located in Peabody Lane near former pump location. No GW in C-zone. A-zone GW sample collected from above 5 ft bgs, C-zo

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						ML		**CONCRETE**: 3 inches thick.	0.3	
								Sandy SILT (ML): dark brown; stiff; moist; 10% clay, 60% silt, 30% fine to medium grained sand; low plasticity; medium estimated permeability.	3.0	
						ML		**Clayey SILT** (ML): light brown; stiff; moist; 15% clay, 80% silt, 5% fine grained sand; low plasticity; low estimated permeability. ▽		
6					5			@ 4': becomes wet.	5.0	
72	210		SB-14 @7.5					**Sandy SILT** (ML): gray; stiff; moist; 10% clay, 55% silt, 30% fine to very coarse grained sand, 5% gravel to 10mm in diameter; low plasticity; moderate estimated permeability; mottled. @ 7': becomes green gray; medium stiff; wet; 70% silt, 30% fine to medium grained sand.		
					10			@ 10': becomes stiff; moist; 60% silt, 30% very coarse grained sand, 10% well rounded gravel to 20mm in diameter; some shell fragments.		
21	<1.0		SB-14 @11.5					@ 11': becomes light brown; damp; 50% silt, 30% fine to very coarse grained sand, 20% subrounded gravel to 20mm in diameter; some shell fragments; mottled; FeO2 staining.		
2					15			@ 13': becomes very stiff.		
0.7						ML				◄ Portland Type I/II Cement
1.5					20			@ 19': becomes orange brown; stiff; moist; 55% silt, 40% fine grained sand, 5% well rounded gravel to 10mm in diameter; some shell fragments.		
0										
0.7					25					
2.2								@ 27': becomes 70% silt, 30% fine to very coarse grained sand.		
0					30			@ 28': becomes light brown; 70% silt, 30% fine grained sand; with less FeO2 staining.	32.0	
						SM		**Silty SAND** (SM): orange brown; dense; moist; 40% silt, 60% fine grained sand; moderate estimated permeability.	34.0	
0					35	ML		**Clayey SILT** (ML): light brown; very stiff; damp; 30%		

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-14A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	09-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	09-Jan-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				⊠				clay, 70% silt; medium plasticity; low estimated permeability. @ 35.5' Encountered drilling refusal.	35.5	Bottom of Boring @ 35.5 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-15A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	12-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (12-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on south side of Peabody Ln. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4 inches thick.	0.3	
						ML		**Sandy SILT** (ML): dark brown; stiff; moist; 60% silt, 30% fine to very coarse grained sand, 10% gravel to 10mm in diameter; low plasticity; moderate estimated permeability. ▽ @ 4': becomes wet.	5.0	
>1,000					5	ML		**Clayey SILT** (ML): greenish gray; very stiff; wet; 30% clay, 65% silt, 5% very coarse grained sand; low plasticity; low estimated permeability.	6.0	Portland Type I/II Cement
802	1,500		SB-15 @7.5			SM		**Silty SAND** (SM): blue gray; dense; wet; 30% silt, 70% fine grained sand; moderate estimated permeability; odor. @ 8': becomes moist; 30% silt, 50% sand, 20% angular gravel to 30mm in diameter.	10.0	
1.7	<1.0		SB-15 @11.5		10	ML		**Sandy SILT** (ML): light brown; very stiff; moist; 50% silt, 40% very coarse grained sand, 10% well rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	13.0	Bottom of Boring @ 13 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-16A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	12-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (12-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located on north side of Peabody Ln. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 6 inches thick.	0.5	
						ML		**Gravelly Sandy SILT** (ML): dark brown; stiff; moist; 10% clay, 60% silt, 15% fine to very coarse grained sand, 15% gravel to 30mm in diameter; moderate estimated permeability.		
								▽	4.0	
56					5	ML		**Clayey SILT** (ML): greenish gray; soft; wet; 30% clay, 60% silt, 10% very coarse grained sand; medium plasticity; low estimated permeability.		
									7.0	Portland Type I/II Cement
126	90		SB-16 @7.5			ML		**Sandy SILT** (ML): greenish gray; very stiff; moist; 10% clay, 50% silt, 40% fine grained sand; low plasticity; moderate estimated permeability; odor.		
					10				11.0	
5.7	<1.0		SB-16 @11.5			ML		**Gravelly Sandy SILT** (ML): light brown; very stiff; moist; 60% silt, 20% fine to very coarse grained sand, 20% well rounded gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	13.0	Bottom of Boring @ 13 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-17A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	13-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	28.0 ft (13-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on south side of Peabody Ln. Temp casing w 5 ft of screen (8 to 13 & 29 to 34 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE: 3 inches thick.	0.3	
						ML		**Sandy SILT** (ML): dark brown; medium stiff; moist; 10% clay, 50% silt, 30% fine to coarse grained sand, 10% angular gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	4.0	
					5			**Clayey SILT** (ML): brown; stiff; damp; 30% clay, 60% silt, 10% very fine to fine grained sand; low plasticity; low estimated permeability.		
								@ 6': becomes 30% clay, 60% silt, 5% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.		
					10	ML		@ 8': becomes very stiff; with no gravel.		
					15			@ 14': becomes 25% clay, 60% silt, 10% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.	16.5	
						SM		**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability.		◄ Portland Type I/II Cement
					20			@ 19': rock encountered >40mm in diameter.	20.0	
						ML		**Sandy SILT** (ML): brown; stiff; damp; 10% clay, 60% silt, 20% fine grained sand, 10% well rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	22.0	
0								**Clayey SILT** (ML): light brownish gray; stiff; moist; 25% clay, 70% silt, 5% coarse grained sand; medium plasticity; low estimated permeability.		
0					25	ML		@ 25': becomes 20% clay, 70% silt, 5% coarse grained sand, 5% well rounded gravel to 10mm in diameter.		
0								▽	28.0	
0					30	ML		**Gravelly Sandy SILT** (ML): light brownish gray; stiff; wet; 10% clay, 50% silt, 20% coarse grained sand, 20% well rounded gravel to 10mm in diameter; low plasticity; moderate permeabilty.	34.0	Bottom of Boring @ 34 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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DRAFT

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-17B
JOB/SITE NAME	65th Street	**DRILLING STARTED**	08-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	08-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	16.5 ft (08-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	8.5 ft (08-Jan-04) ▼

REMARKS Located on south side of Peabody Ln. Temp casing w 5 ft of screen (17 to 22 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
					ML	**CONCRETE**: 3 inches thick.	0.3
						Sandy SILT (ML): dark brown; medium stiff; moist; 10% clay, 50% silt, 30% fine to coarse grained sand, 10% angular gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	
	<1.0		SB-17 B@3.5				4.0
0				5	ML	**Clayey SILT** (ML): brown; stiff; damp; 30% clay, 60% silt, 10% very fine to fine grained sand; low plasticity; low estimated permeability.	
						@ 6': becomes 30% clay, 60% silt, 5% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.	
0	<1.0		SB-17 B@7.5			@ 8': becomes very stiff; with no gravel. ▼	
				10	ML		
0	<1.0		SB-17 B@11.5				
0							
				15		@ 14': becomes 25% clay, 60% silt, 10% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.	
0						▽	16.5
0	<1.0		SB-17 B@17.5		SM	**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability.	
						@ 19': rock encountered >40mm in diameter.	
0	<1.0		SB-17 B@20	20	ML	**Sandy SILT** (ML): brown; stiff; damp; 10% clay, 60% silt, 20% fine grained sand, 10% well rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	20.0
							22.0

WELL DIAGRAM: Portland Type I/II Cement; Bottom of Boring @ 22 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-21A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	20-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	20-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	8.5 ft (20-Jan-04)
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA

REMARKS Located inside building on west side of property. Temp casing w 5 ft of screen (4.5 to 9.5 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
2.2						ML		**CONCRETE**: 4 inches thick.	0.3	
								Clayey SILT (ML): dark brown; stiff; moist; 30% clay, 60% silt, 10% angular gravel to 20mm in diameter; low plasticity; low estimated permeability.	1.5	
130	<1.0		SB-21 @3					@ 1': becomes mottled dark brown, gray, and light brown. **Sandy SILT** (ML): dark brown; stiff; moist; 10% clay, 55% silt, 30% medium grained sand, 5% gravel to 10mm in diameter; low plasticity; moderate estimated permeability.		Portland Type I/II Cement
					5	ML				
1092	590		SB-21 @6					@ 4': becomes green gray; with odor.		
									8.0	
	470		SB-21 @9			ML		**Gravelly Sandy SILT** (ML): green gray; stiff; wet; 50% silt, 30% sand, 20% rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability; strong odor.	9.5	Bottom of Boring @ 9.5 ft
								@ 9.5': Encountered refusal.		

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-22A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	5.0 ft (07-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located onsite near center of property. Temp casing w 5 ft of screen (5 to 10 & 41 to 46 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE: 6" thick.	0.5	
						ML		**Clayey SILT** (ML): dark brown; medium stiff; moist; 20% clay, 70% silt, 10% fine to medium grained sand; medium plasticity; low estimated permeability.	2.0	
	<1.0		SB-22 @3			ML		**Sandy Clayey SILT** (ML): brown; soft; moist; 30% clay, 50% silt, 15% fine to medium grained sand, 5% gravel to 10mm in diameter; low plasticity; low estimated permeability. ▽	5.0	
647	410		SB-22 @6		5	SM		**Gravelly Silty SAND** (SM): blue gray; medium dense; wet; 30% silt, 50% fine to coarse grained sand, 20% angular gravel to 10mm in diameter; high estimated permeability.	6.0	
						ML		**Sandy SILT** (ML): orange brown and blue gray; stiff; moist; 10% clay, 60% silt, 30% fine grained sand; low plasticity; moderate estimated permeability; mottled.		
115	400		SB-22 @9					@ 7': becomes damp, decreased mottling.		
302					10			@ 9': becomes 10% clay, 50% silt, 30% fine grained sand, 10% angular gravel to 10mm in diameter.	10.0	
13								**Gravelly Sandy SILT** (ML): orange brown; stiff; damp; 10% clay, 50% silt, 20% fine grained sand, 20% angular gravel to 8mm in diameter; low plasticity; moderate estimated permeability.		
						ML		@ 12': becomes dry.		
203					15					
								@ 18': becomes mottled orange brown and blue gray.		
10								**Clayey SILT** (ML): brown; very stiff; damp; 30% clay, 70% silt; medium plasticity; low estimated permeability; some FeO2 nodules.	19.0	
					20	ML				
31										◄ Portland Type I/II Cement
					25				25.0	
28								**Sandy SILT** (ML): brown; soft; moist; 65% silt, 30% very fine to fine grained sand, 5% well rounded gravel; low plasticity; moderate estimated permeability.		
7						ML		@ 27': becomes hard; dry; 50% silt, 40% fine to very coarse grained sand, 10% well rounded gravel.		
					30			@ 29': becomes medium stiff.		
7								@ 31': becomes hard.	32.0	
								Clayey SILT (ML): light brown; very stiff; damp; 30% clay, 70% silt; medium plasticity; low estimated permeability.		
3					35					

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME John Nady
JOB/SITE NAME 65th Street
LOCATION 1137-1167 65th Street, Oakland, California

BORING/WELL NAME SB-22A/C
DRILLING STARTED 07-Jan-04
DRILLING COMPLETED 07-Jan-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0					40	ML		@ 35': becomes medium plasticity. @ 38': some FeO2 nodules. @ 41': becomes mottled light brown and brown.		
0					45	ML		**Gravelly SILT** (ML): light brown and brown; very stiff; dry; 10% clay, 60% silt, 10% fine to coarse sand, 20% well rounded gravel to 20mm in diameter; low plasticity; low estimated permeability.	43.0	
0								@ 46' : Encountered drilling refusal.	46.0	Bottom of Boring @ 46 ft

WELL LOG (PID/TPHG). H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-23
JOB/SITE NAME	65th Street	**DRILLING STARTED**	06-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	06-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, limited access Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	6.5 ft (06-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located onsite near center of property.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0						ML		**CONCRETE**: 3 inches thick.	0.3	
								Sandy SILT (ML): light brown; medium stiff; moist; 10% clay, 50% silt, 30% sand, 10% gravel to 40mm in diameter; low plasticity; moderate estimated permeability; some brick.		
	<1.0		SB-23 @3					@ 1.5': becomes dark brown.	3.0	
0					5	ML		**Clayey SILT** (ML): dark brown; medium stiff; moist; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.		
0	<1.0		SB-23 @6					@ 5': becomes orange brown. ▽		Portland Type I/II Cement
								@ 6.5': becomes wet and mottled.		
								@ 7': becomes moist; 30% clay, 55% silt, 10% fine grained sand, 5% gravel to 10mm in diameter.	8.0	
	<1.0		SB-23 @9					**Sandy SILT** (ML): orange brown and light brown; medium stiff; moist; 50% silt, 40% fine grained sand, 10% angular to subrounded gravel; moderate estimated permeability.		
0					10	ML			12.0	Bottom of Boring @ 12 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-24
JOB/SITE NAME	65th Street	**DRILLING STARTED**	05-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	05-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, limited access Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	5.0 ft (05-Jan-04)
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA
REMARKS	Located inside studio building near center of property. Temp casing w 5 ft of screen (7 to 12 ft bgs) installed to collect GW sampl		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE: 3 inches thick.	0.3	
	980		SB-24 @3					**Sandy SILT** (ML): dark brown; medium stiff; moist; 10% clay, 60% silt, 30% very fine to fine grained sand; low plasticity; moderate estimated permeability.		
470	430		SB-24 @6		5	ML		@ 5': becomes blue gray; stiff; wet.		Portland Type I/II Cement
345								@ 7': becomes light brown; mottled.		
83	43		SB-24 @9		10			@ 10': becomes 10% clay; 50% silt; 40% very fine to medium grained sand.	11.0	
						SM		**Silty SAND** (SM): gray; dense; moist; 30% silt, 60% very fine to medium grained sand, 10% gravel to 20mm in diameter; moderate estimated permeability.	12.0	Bottom of Boring @ 12 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-25A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	08-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	08-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	5.0 ft (08-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on sidewalk south of 65th St. Temp casing w 5 ft of screen (5 to 10 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4 inches thick.	0.3	
						ML		**Clayey SILT** (ML): brown; medium stiff; moist; 30% clay, 60% silt, 10% very fine grained sand; low plasticity; low estimated permeability.		
2.2					5			@ 5': becomes wet. ▽	6.0	
1.5						SM		**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability. @ 7': becomes orange brown; dense; damp; 40% silt, 60% fine to very coarse grained sand.		
					10				10.0	Bottom of Boring @ 10 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-25C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	08-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	08-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	29.0 ft (08-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on sidewalk south of 65th St. Temp casing w 5 ft of screen (29 to 34 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4 inches thick.	0.3	
						ML		**Clayey SILT** (ML): brown; medium stiff; moist; 30% clay, 60% silt, 10% very fine grained sand; low plasticity; low estimated permeability.		
					5			@ 5': becomes wet.	6.0	
						SM		**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability. @ 7': becomes orange brown; dense; damp; 40% silt, and 60% fine to very coarse grained sand.		
					10				10.0	
0						ML		**Gravelly Sandy SILT** (ML): orange brown; stiff; damp; 50% silt, 30% fine grained sand, 20% subround gravel to 20mm in diameter; moderate estimated permeability; mottled; some shell fragments. @ 12': becomes light gray; very stiff; 60% silt, 40% fine grained sand; some FeO2 staining. @ 14': becomes 60% silt, 30% fine grained sand, 10% well rounded gravel to 20mm in diameter.		
0					15					
0								@ 17': becomes 50% silt, 35% fine grained sand, 15% well rounded gravel to 30mm in diameter.	18.0	◄ Portland Type I/II Cement
0					20			**Clayey SILT** (ML): orange brown; very stiff; damp; 35% clay, 60% silt, 5% very fine grained sand; medium plasticity; low estimated permeability; some shell fragments.		
0						ML				
0					25			@ 25': becomes 20% clay, 60% silt, 10% fine grained sand, 10% well rounded gravel to 10mm in diameter; low estimated permeability.	26.0	
0						ML		**Sandy SILT** (ML): orange brown; stiff; moist; 10% clay, 50% silt, 40% fine grained sand; low plasticity; moderate estimated permeability. ▽	29.0	
					30	ML		**Gravelly Sandy SILT** (ML): brown; stiff; wet; 50% silt, 35% fine to very coarse grained sand, 15% gravel to 20mm in diameter; moderate estimated permeability; mottled with clay chucks.	30.5	
0						ML		**Clayey SILT** (ML): light brown; stiff; moist; 30% clay, 70% silt; medium plasticity; low estimated permeability. @ 32': becomes very stiff; damp; no shell fragments.	34.0	Bottom of Boring @ 34 ft

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-26A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (07-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located in rear of property. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
7.0						ML		**ASPHALT**: 4 inches thick.	0.3	
								Sandy Clayey SILT (ML): dark brown; soft; moist; 25% clay, 60% silt, 15% fine to very coarse grained sand; medium plasticity; low estimated permeability; mottled; some organics.		
								@4': becomes medium stiff and wet. ▽		
5.0					5	ML		**Sandy SILT** (ML): blue gray; stiff; moist; 10% clay, 60% silt, 30% fine to medium grained sand; low plasticity; moderate estimated permeability.	5.0	
						ML		**Gravelly SILT** (ML): blue gray; stiff; moist; 50% silt, 10% fine to coarse grained sand, 20% very angular to subround gravel to 30mm in diameter; moderate estimated permeability.	6.0	Portland Type I/II Cement
300	240		SB-26 @7.5			ML		**Gravelly Sandy SILT** (ML): blue gray; stiff; moist; 10% clay, 50% silt, 25% fine to medium grained sand, 15% gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	8.0	
					10	ML		**Sandy SILT** (ML): orange brown; stiff; moist; 15% clay, 60% silt, 25% fine grained sand; medium plasticity; low estimated permeability.	10.0	
0	180		SB-26 @11.5			ML		**Gravelly Sandy SILT** (ML): olive brown; stiff; moist; 50% silt, 30% sand, 20% gravel to 30mm in diameter; moderate estimated permeability.	12.0 13.0	Bottom of Boring @ 13 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING / WELL LOG

CLIENT NAME	John Nady	BORING/WELL NAME	SB-26
JOB/SITE NAME	Nady Trust	DRILLING STARTED	17-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	17-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	1.5 inches	SCREENED INTERVALS	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	21.00 fbg (17-Aug-09) ▽
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	10.50 fbg (17-Aug-09) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							3" Concrete	0.3	
					ML		**Clayey SILT with Sand** 60% silt, 30% clay, 10% sand.		
10				5			**Clayey Sandy SILT:** Dark brown; dry; 40% silt, 40% sand, 20% clay; medium grained sand; moderate plasticity, low estimated permeability. Light Brown	7.5	
97		SB-26 -10		10			**Silty CLAY with Sand:** Light olive grey; dry; 60% clay, 30% silt, 10% sand; fine to medium grained sand; angular to subangular; moderate plasticity, low estimated permeability. ▼		
12							**Silty Sandy CLAY:** Light brown; 40% clay, 30% sand, 20% silt, 10% gravel; fine to coarse grain, gravel 1/2" to 3/4" diameter, angular to subangular		Portland Type I/II
0				15			**Silty Sandy CLAY:** 40% clay, 40% sand, 20% silt; Medium to coarse grain		
2		SB-26 -16			CL		@ 15 fbg 60% clay, 20% silt, 20% sand; Moist; fine to coarse grain; refusal at 15 fbg, return with Geoprobe		
				20			@ 20 fbg; 50% clay, 30% silt, 20% sand; Stiff ▽		
				25				25.0	

WELL LDG (PID) I:\IR\6-CHARS\5210--\521000--\152BBE5--\521000-GINT.GPJ DEFAULT.GDT 9/16/09

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-26
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	17-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	17-Aug-09

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
10		SB-26 -25		30	CL		@ 40fbg Grey mottling observed		Portland Type I/II
				35					
				40				40.0	Bottom of Boring @ 40 fbg

WELL LOG (PID) I:\IR\6-CHARS\6210-\521000-\52BBE5-1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

BORING / WELL LOG

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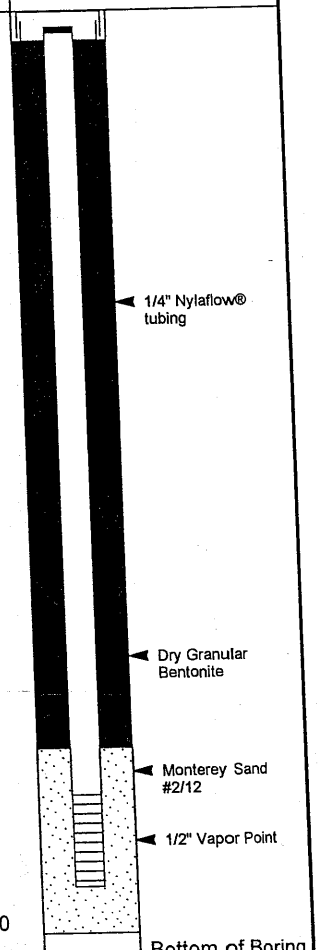
CLIENT NAME	John Nady	BORING/WELL NAME	VW-1 (Vapor Probe)
JOB/SITE NAME	Nady Trust	DRILLING STARTED	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	10-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3 inches	SCREENED INTERVALS	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Concrete	0.5
					ML		**Clayey SILT with Sand:** Greyish olive; moist; fine grain; 50% silt, 40% Clay, 10% sand; low plasticity; low estimated permeability.	
252								
							Clayey Sandy SILT: Green; 50% silt, 30% clay, 20% sand.	
348				5				5.0

WELL DIAGRAM



WELL LOG (PID) I:\IR\6-CHARS\5210--\521000--\152BBE5--\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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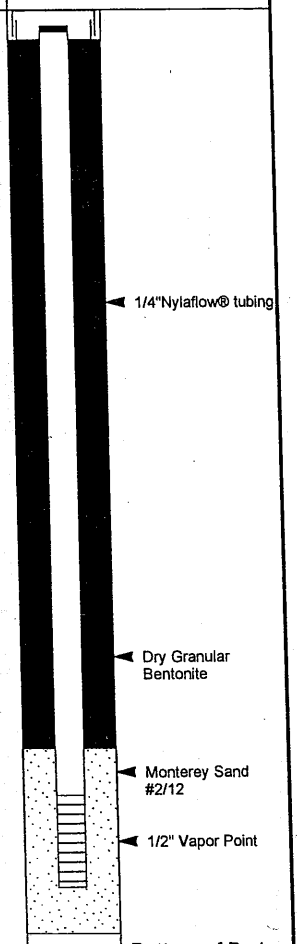
BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	VW-2 (Vapor Probe)
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	10-Aug-09
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	M. Jonas, P.G.	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Concrete	0.5
					ML		**Clayey Sandy SILT:** Greyish olive; moist, fine to medium grain; 40% silt, 40% sand, 20% clay; moderate plasticity, low estimated permeability.	4.0
22				5	CL		**Silty CLAY with Sand:** Greyish olive; 60% clay, 30% silt, 10% sand fine to medium grain	5.0

WELL DIAGRAM



WELL LOG (PID) I:\IR\6-CHARS\5210-\521000-\152BBE5-\1521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING / WELL LOG

CLIENT NAME	John Nady	BORING/WELL NAME	VW-3 (Vapor Probe)
JOB/SITE NAME	Nady Trust	DRILLING STARTED	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	10-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3 inches	SCREENED INTERVALS	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	NA ▽
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	0.5	
					ML		**Clayey SILT with Sand:** Greyish olive; moist; 50% silt, 40% clay, 10% sand fine to medium grain; moderate plasticity; low estimated permeability.		1/4" Nylaflow® tubing
283				5				5.0	Dry Granular Bentonite Monterey Sand #2/12 1/2" Vapor Point Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210--\521000--\52BBE5--\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	VW-4 (Vapor Probe)
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	10-Aug-09
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	M. Jonas, P.G.	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	0.5	
					ML		**Clayey SILT with Sand:** Olive grey; moist; 60% silt, 30% clay, 10% sand, moderate plasticity, low estimated permeability.		
15				5				5.0	1/4" Nylaflow® tubing; Dry Granular Bentonite; Monterey Sand #2/12; 1/2" Vapor Point; Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210-\521000-\152BBE5-\521000-GINT.GPJ DEFAULT.GDT 9/16/09

BORING / WELL LOG

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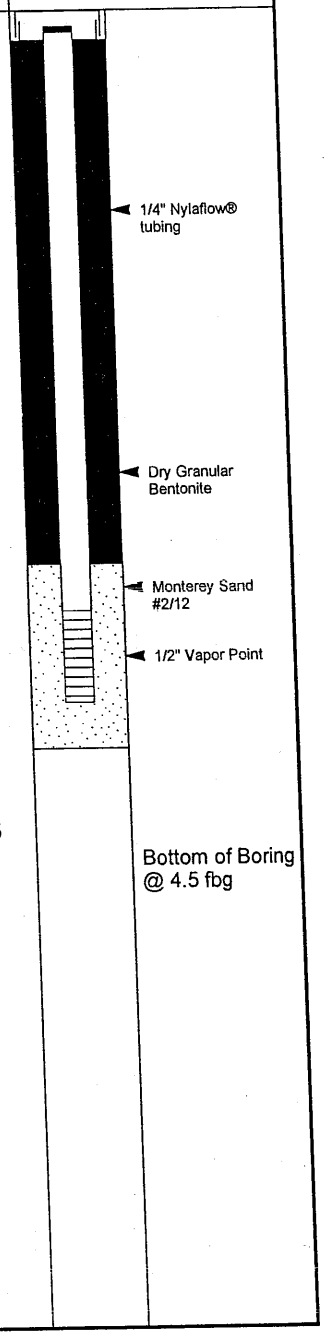
CLIENT NAME	John Nady	BORING/WELL NAME	VW-5 (Vapor Probe)
JOB/SITE NAME	Nady Trust	DRILLING STARTED	10-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	10-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3 inches	SCREENED INTERVALS	3.25 to 3.75 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	4.50 fbg (10-Aug-09) ▽
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Asphalt	0.3
							Clayey SILT with Sand: Greyish olive; moist; 50% silt, 40% clay, 10% fine grained sand; moderate plasticity, low estimated permeability.	
25					ML			
							▽ Groundwater encoutered at 4.5 fbg; backfilled to 4 fbg	4.5

WELL DIAGRAM



WELL LOG (PID) I:\IR\6-CHARS\5210--\521000--\152BBE5--\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	VW-6 (Vapor Probe)
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	11-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	11-Aug-09
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	M. Jonas, P.G.	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	
							Fill	0.5	
0					CL		**Silty CLAY with Sand:** Grayish brown; dry; 50% clay, 40% silt, 10% sand,moderate plasticity, low estimated permeability; decreasing silt content with depth.		1/4" Nylaflow® tubing
									Dry Granular Bentonite
0							@ 4 fbg Light olive grey; 80% clay, 15% silt, 5% medium grained sand; rust color mottling; high plasticity		Monterey Sand #2/12
									1/2" Vapor Point
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210-\521000-\152BBE5-\521000-GINT.GPJ DEFAULT.GDT 9/16/09

BORING / WELL LOG

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CLIENT NAME	John Nady	BORING/WELL NAME	VW-7 (Vapor Probe)
JOB/SITE NAME	Nady Trust	DRILLING STARTED	11-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	DRILLING COMPLETED	11-Aug-09
PROJECT NUMBER	521000	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3 inches	SCREENED INTERVALS	3.25 to 3.75 fbg
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	4.30 fbg (11-Aug-09) ▽
REVIEWED BY	M. Jonas, P.G.	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Asphalt	0.3
							Fill	0.5
							Clayey SILT with Sand: Moderate brown; dry; 60% silt, 30% clay, 10% medium grained sand; moderate plasticity; low estimated permeability.	
5					ML		@ 3.5 fbg **Clayey SILT** Moderate brown; dry; 60% silt, 40% clay.	
							▽ Groundwater encountered	4.3

WELL DIAGRAM

- 1/4" Nylaflow® tubing
- Dry Granular Bentonite
- Monterey Sand #2/12
- 1/2" Vapor Point
- Bottom of Boring @ 4.3 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210-\521000~1\52BBE5~1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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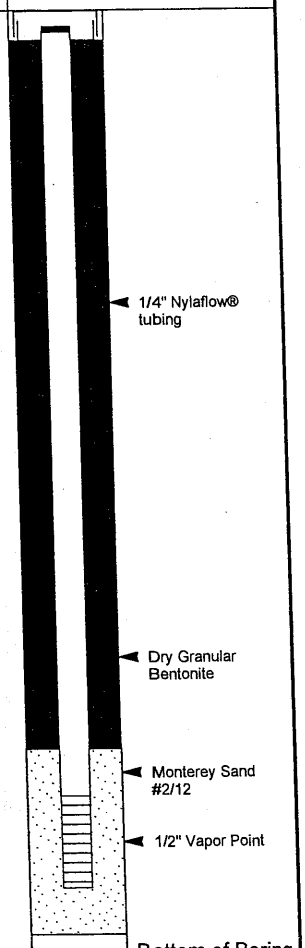
BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	VW-8 (Vapor Probe)
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	11-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	11-Aug-09
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	M. Jonas, P.G.	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Asphalt	0.3
							Fill	0.5
0					ML		**Clayey SILT with Sand:** Moderate brown; dry; 60% silt, 30% clay, 10 % medium grained sand; moderate plasticity, low estimated permeability	
0				5	CL		**Silty CLAY with Sand:** Light olive grey; dry; 75% clay, 15% silt, 10% medium grained sand; rust color mottling; high plasticity, low estimated permeability.	4.0
								5.0

WELL DIAGRAM



WELL LOG (PID) I:\IR\6-CHARS\5210--\521000--1\52BBE5--1\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	VW-9 (Vapor Probe)
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	20-Aug-09
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	20-Aug-09
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	4.25 to 4.75 fbg
LOGGED BY	J. Bostick	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	M. Jonas, P.G.	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	
					ML		**Clayey SILT with Sand:** Greyish olive; moist; 50% silt, 40% clay, 10% fine grained sand; low plasticity, low estimated permeability.		1/4" Nylaflow® tubing
							Sandy Clayey SILT: Green; 50% silt, 30% clay, 20% sand; low plasticity, low estimated permeability.		Dry Granular Bentonite Monterey Sand #2/12 1/2" Vapor Point
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210-\521000-\152BBE5-\521000-GINT.GPJ DEFAULT.GDT 9/16/09

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-29C
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	21-Apr-11
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	21-Apr-11
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.25	**SCREENED INTERVALS**	NA
LOGGED BY	C. Hee	**DEPTH TO WATER (First Encountered)**	5.50 fbg (21-Apr-11)
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	
							Road base	0.7	
0.0					CL		**Silty CLAY with Sand:** Dark yellowish brown (10YR 4/2); moist; 10% fine grained sand, 20% silt, 70% clay; high plasticity; low estimated permeability.		
							At 3' Silty, Sandy CLAY: Dark yellowish brown (10YR 4/2); moist; 25% fine to medium grained sand, 25% silt, 50% clay; high plasticity; moderate estimated permeability.	4.0	
					SM		**Clayey, Silty SAND:** Moderate yellowish brown (10YR 5/4); moist; 15% clay, 25% silt, 60% fine to coarse grained sand; low plasticity; high estimated permeability.	4.5	
0.0		SB-29 C-5		5			**Gravelly SAND with Clay and Silt:** Moderate yellowish brown (10YR 5/4); wet; 10% clay, 10% silt, 30% angular gravel; 50% fine to coarse grained sand; low plasticity; high estimated permeability.		
0.0		SB-29 C-8			SW				
				10					
0.0		SB-29 C-12							
							Clayey SILT with Sand: Moderate brown (5YR 3/4); wet; 10% fine grained sand, 20% clay, 70% silt; low plasticity; high estimated permeability.	13.0	
				15	ML				
0.0		SB-29 C-16					As above but moist		
								18.0	
							Silty CLAY with Sand: Moderate yellowish brown (10YR 5/4); moist; 5% gravel, 10% fine to medium grained sand, 15% silt, 70% clay; high plasticity; low estimated permeability.		
				20	CL				

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-29C
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	21-Apr-11
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	21-Apr-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.7		SB-29 C-20						21.0	
					ML		**Clayey SILT with Sand:** Dark yellowish orange (10YR 6/6); moist; 10% fine grained sand, 20% clay, 70% silt; low plasticity; high estimated permeability.	21.5	
							Silty CLAY: Dark yellowish brown (10YR 6/6); moist; 15% silt, 85% clay; high plasticity; low estimated permeability.		
0.0		SB-29 C-24			CL				
				25					
								27.0	
					SC		**Clayey SAND with Silt:** Dark yellowish orange (10YR 6/6); moist; 10% silt, 15% clay, 75% fine to medium grained sand; low plasticity; high estimated permeability.	28.0	
0.0		SB-29 C-28					**Gravelly SAND with Clay and Silt:** Moderate yellowish brown (10YR 5/4); moist; 10% clay, 10% silt, 30% gravel; 50% fine to coarse grained sand; low plasticity; high estimated permeability.		
				30	SW				
								32.0	
0.0		SB-29 C-32					**Clayey SAND:** Moderate yellowish brown (10YR 5/4); wet; 15% clay, 85% fine to medium grained sand; low plasticity; high estimated permeability.		
					SC				
				35					
0.0		SB-29 C-36						36.5	Bottom of Boring @ 36.5 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210--\521000--1\52BBE5--1\521000-GINT.GPJ DEFAULT.GDT 6/10/11

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-30C
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	20-Apr-11
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	20-Apr-11
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.25	**SCREENED INTERVALS**	NA
LOGGED BY	E. Namba	**DEPTH TO WATER (First Encountered)**	5.00 fbg (20-Apr-11)
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	
							Road base:	1.5	
					ML		**SILT with Clay and Sand:** Brown; moist; 10% clay, 10% sand, 80% silt; low plasticity; high estimated permeability.		
							At 3' Sandy SILT with Clay and Gravel: Gray; moist; 10% clay, 10% gravel, 30% fine to coarse grained sand, 50% silt; low plasticity; moderate estimated permeability.		
0.0		SB-30 C-4.0		5					
							At 8' SILT with Clay and Sand: Light brown; moist; 10% clay, 10% sand, 80% silt; low plasticity; moderate estimated permeability.		
0.0		SB-30 C-10		10			**At 10' Sandy, Gravelly, SILT:** Light brown; moist; 15% fine to coarse grained sand, 20% gravel (up to 1 cm); 65% silt; non-plastic; high estimated permeability.	12.0	
0.0		SB-30 C-12			SM		**Gravelly, Silty SAND:** Reddish brown; moist; 20% gravel, 30% silt, 50% sand; non-plastic; high estimated permeability.	13.0	
					ML		**Sandy SILT:** Reddish brown; wet; 40% fine grained sand, 60% silt; non-plastic; high estimated permeability.	15.0	
				15			**Silty, Gravelly SAND:** Red; wet; 25% silt, 25% gravel (up to 2 cm), 50% fine grained sand; non-plastic; high estimated permeability.		
0.0		SB-30 C-16			SM		**At 16' Silty SAND with Gravel:** Reddish brown; moist; 10% gravel, 15% silt, 75% fine grained sand; non-plastic, high estimated permeability.		
							At 17' Silty, Gravelly SAND: Reddish brown/dark brown; wet; 30% silt, 30% gravel (up to 2 cm), 40% fine to coarse grained sand; non-plastic; high estimated permeability.	19.0	
				20			**Sandy SILT:** Reddish brown; dry; 40% fine grained sand, 60% silt; non-plastic; high estimated permeability.		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-30C
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	20-Apr-11
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	20-Apr-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0		SB-30 C-20					At 20' SILT with Sand; as above but wet; 10% sand, 90% silt.		
							At 22', as above but moist.		
0.0		SB-30 C-24			ML				
				25			At 26' Sandy SILT; as above; 30% sand, 70% silt.		
0.0		SB-30 C-28							
								29.0	
							Silty, Gravelly SAND: Reddish brown; moist; 15% silt, 35% gravel, 50% fine to coarse grained sand; non-plastic; high estimated permeability.		
				30	SM			31.0	
							At 31' as above but wet; 15% silt, 30% gravel, 55% fine grained sand; non-plastic; high estimated permeability.		
0.0		SB-30 C-32			SM				
								34.0	
							Silty SAND: Brown; moist; 30% silt, 70% sand; non-plastic; high estimated permeability.		
				35	SM				
0.0		SB-30 C-36							
								37.0	
					ML		**SILT with Clay and Gravel:** Brown; moist; 10% clay, 10% gravel, 80% silt; low plasticity; high estimated permeability.	38.0	Bottom of Boring @ 38 fbg

WELL LOG (PID) I:\IR\6-CHARS\5210--\521000--1\52BBE5--1\521000-GINT.GPJ DEFAULT.GDT 6/10/11

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-31B
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	19-Apr-11
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	19-Apr-11
PROJECT NUMBER	521000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.25	**SCREENED INTERVALS**	NA
LOGGED BY	E. Namba	**DEPTH TO WATER (First Encountered)**	4.00 fbg (19-Apr-11)
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	
							Gravel fill:	1.0	
					ML		**SILT with Sand:** Dark brown; moist; 10% fine to coarse grained sand, 90% silt; non-plastic; high estimated permeability.		
							Sandy SILT: Light brown; moist; 30% fine to coarse grained sand, 70% silt; non-plastic; high estimated permeability. ▽	4.0	
5.0		SB-31 B-4		5	SM		**Gravelly, Silty SAND:** Light brown; wet; 20% gravel (up to 1.5 cm), 30% silt, 50% fine to coarse grained sand; non-plastic, high estimated permeability. At 5' as above but Reddish brown; 15% silt, 25% gravel, 60% sand.	6.0	
					GM		**Silty GRAVEL with Sand:** Gray; moist; 10% sand, 30% silt, 60% gravel (up to 2 cm); non-plastic, high estimated permeability.	8.0	
0.0		SB-31 B-8			ML		**Gravelly SILT:** gray; moist; 40% gravel, 60% silt; non-plastic, high estimated permeability.	10.0	
				10			**Silty SAND with Gravel:** Gray with red mottling; moist; 10% gravel; 30% silt, 60% fine grained sand; non-plastic, high estimated permeability.		
26		SB-31 B-12					At 13.5' as above but wet.		
				15			At 14' as above but gray; wet; 30% silt, 70% sand.		
16		SB-31 B-16			SM				
				20					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-31B
JOB/SITE NAME	Nady Trust	**DRILLING STARTED**	19-Apr-11
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	19-Apr-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
32		SB-31 B-20					At 21' as above but 10% gravel (up to 2 cm), 30% silt, 60% sand.	22.0	
					SW		**Gravelly SAND with Silt:** Brown; wet; 10% silt; 30% gravel (up to 2 cm), 60% fine to coarse grained sand; non-plastic, high estimated permeability.	24.0	
2		SB-31 B-24		25	SM		**Silty, Gravelly, SAND:** Reddish brown; wet; 15% silt, 15% gravel, 70% fine to coarse grained sand; non-plastic, high estimated permeability.		
0.0		SB-31 B-25.5						26.0	Bottom of Boring @ 26 fbg

GREGG

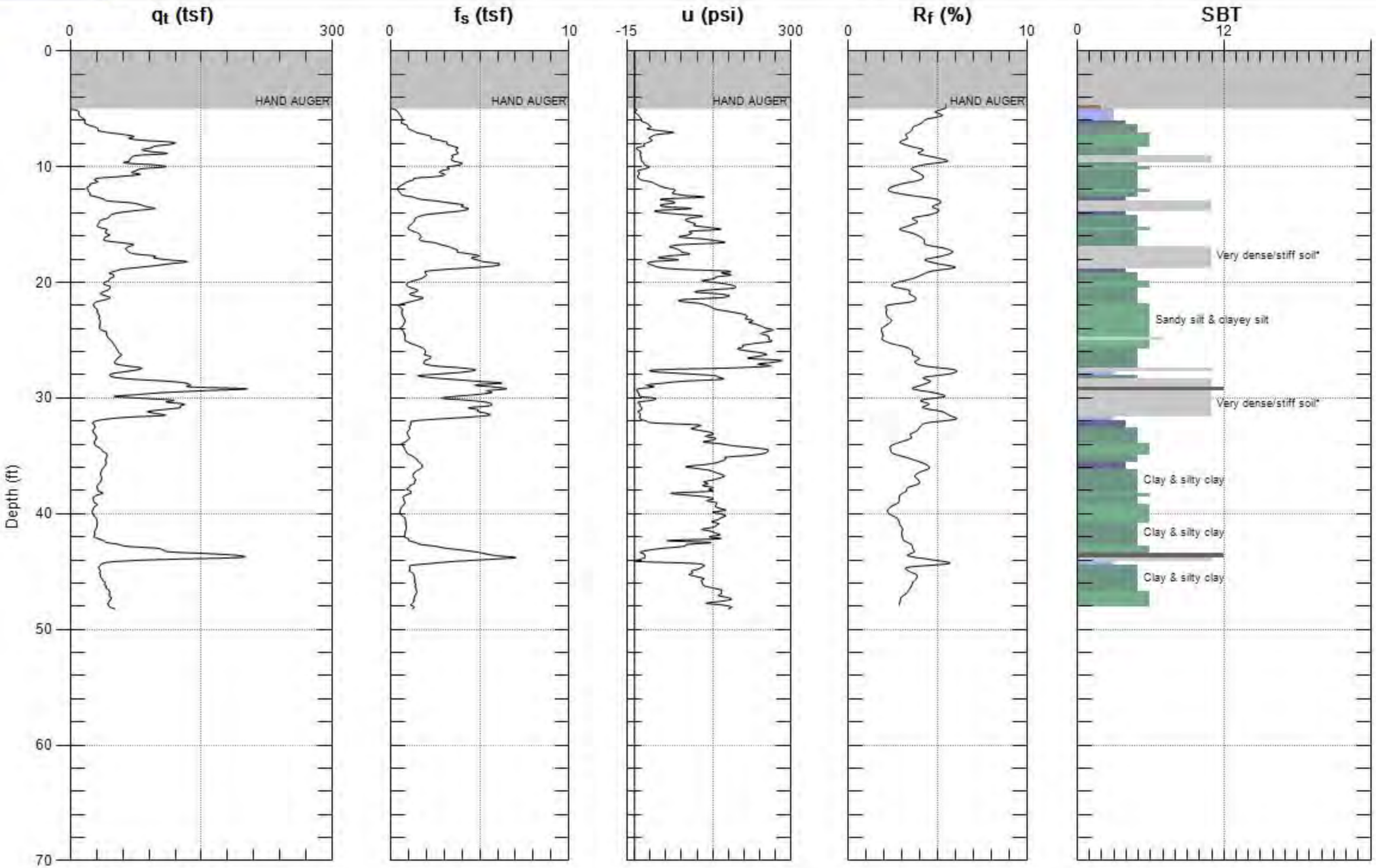
CRA

Site: NADY

Sounding: CPT-MIP-01

Engineer: M.JONAS

Date: 8/17/2009 08:23



Max. Depth: 48.228 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

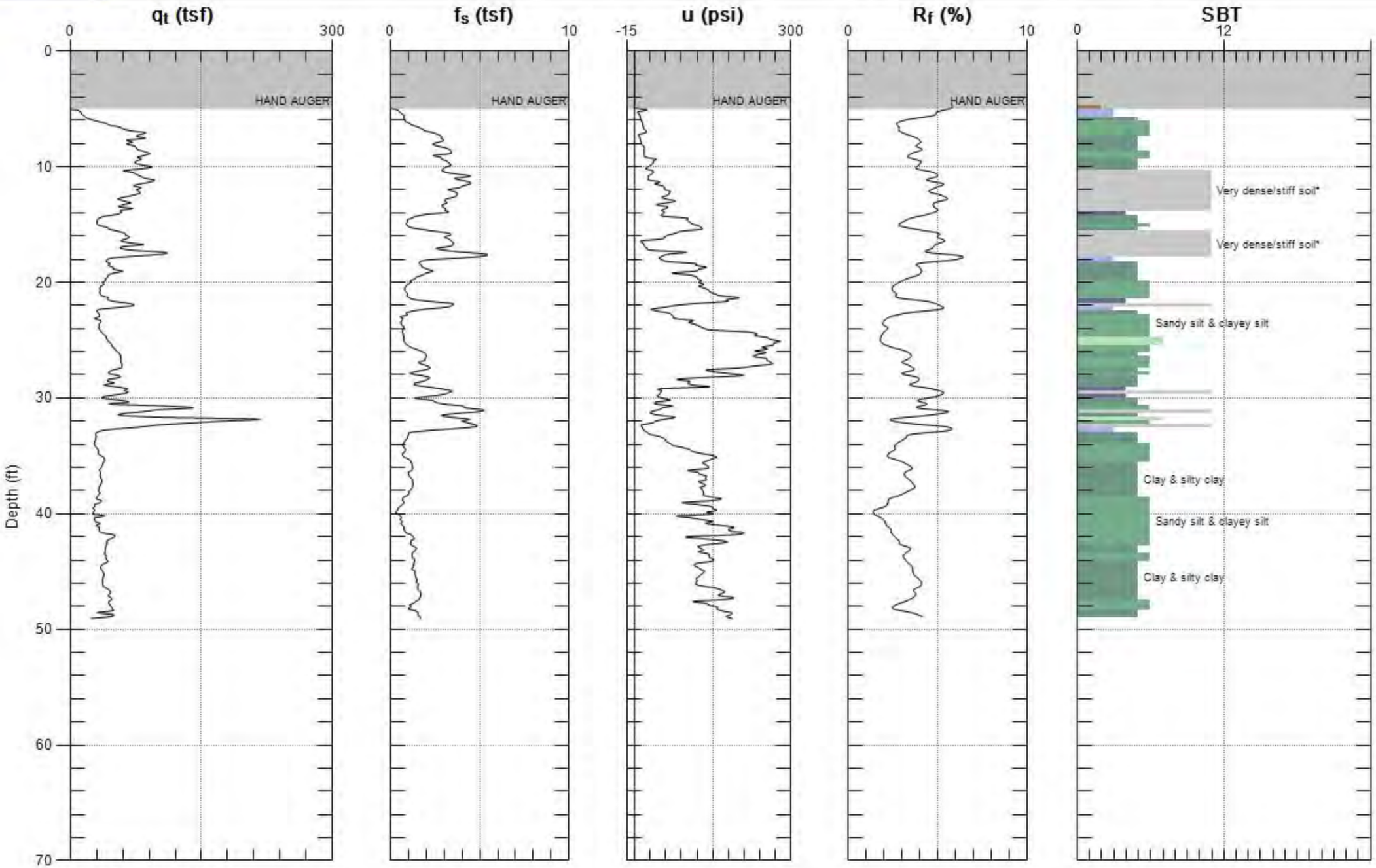
CRA

Site: NADY

Sounding: CPT-MIP-02

Engineer: M.JONAS

Date: 8/17/2009 11:47



Max. Depth: 49.049 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

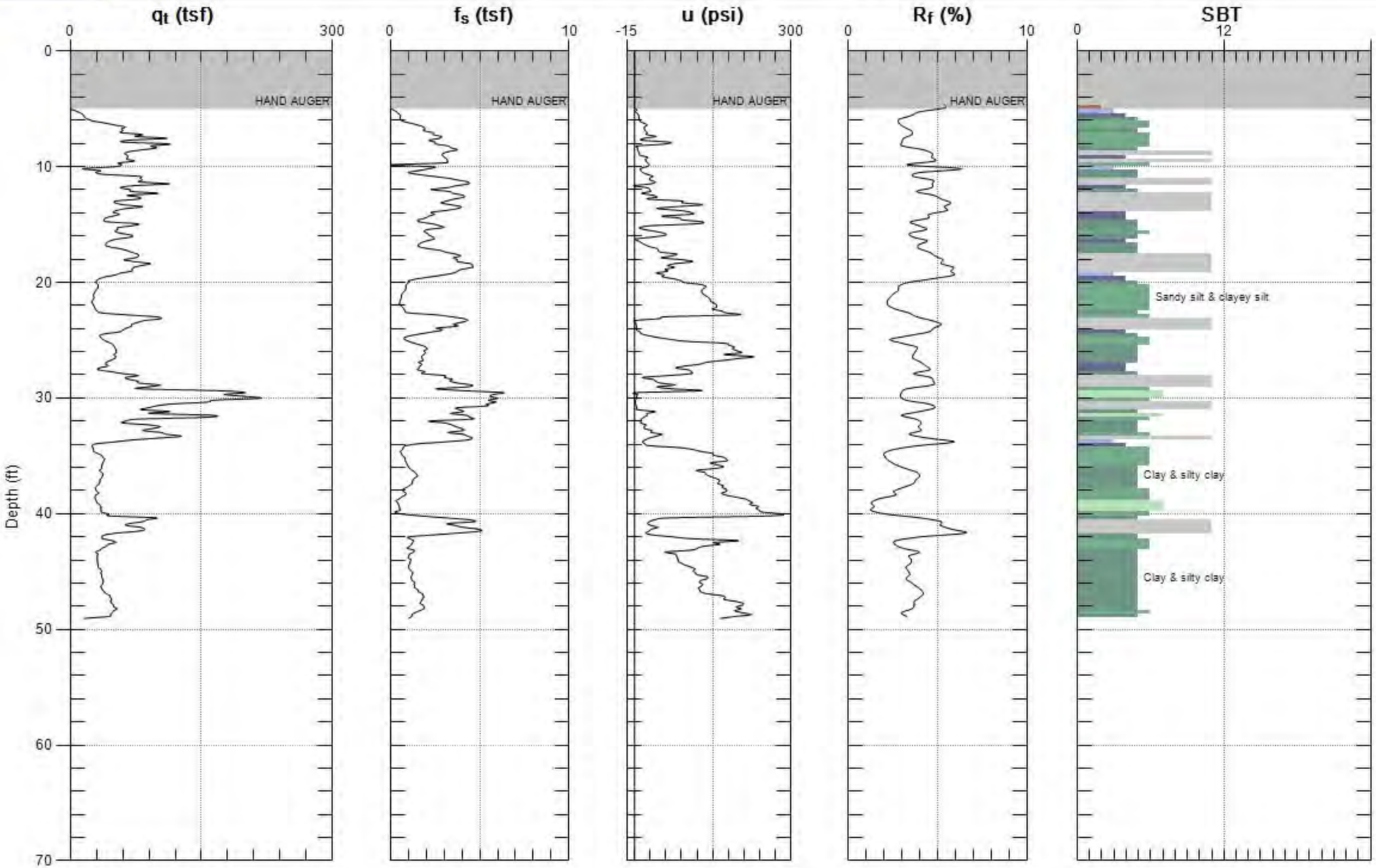
CRA

Site: NADY

Sounding: CPT-MIP-03

Engineer: M.JONAS

Date: 8/17/2009 01:54



Max. Depth: 49.049 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

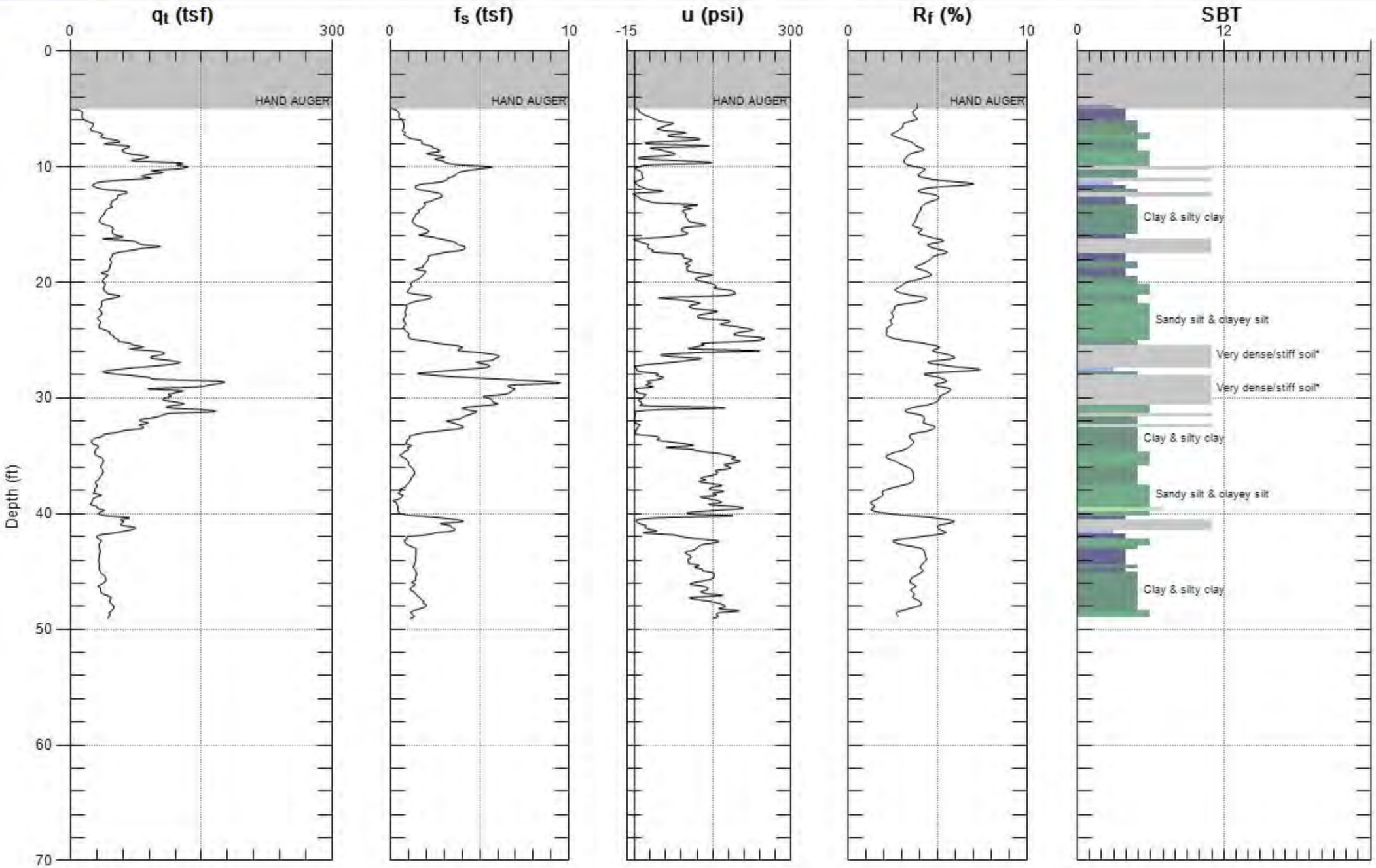
CRA

Site: NADY

Sounding: CPT-MIP-04

Engineer: M.JONAS

Date: 8/17/2009 03:12



Max. Depth: 49.049 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

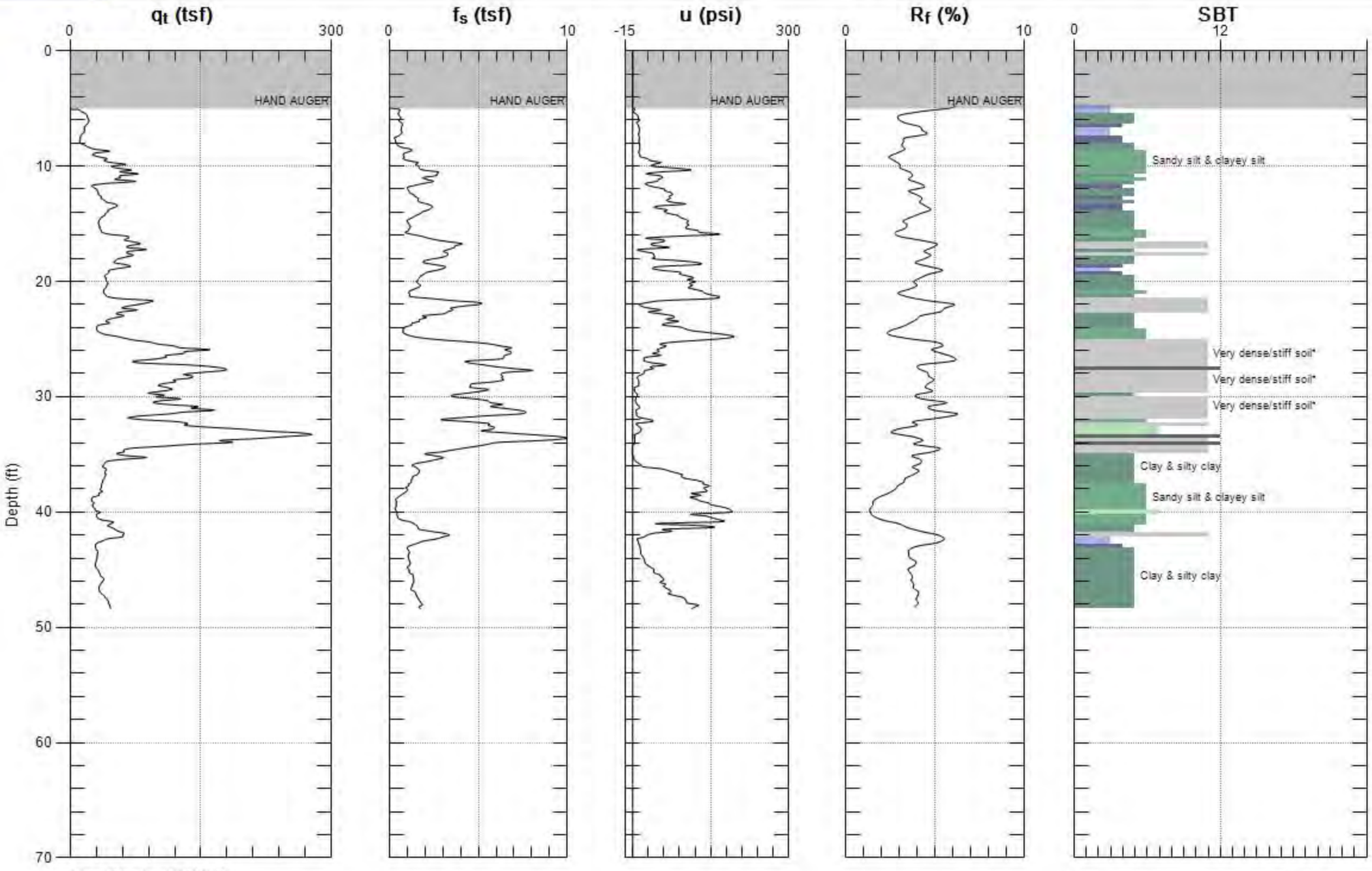
CRA

Site: NADY

Sounding: CPT-MIP-05

Engineer: M.JONAS

Date: 8/18/2009 06:59



Max. Depth: 48.392 (ft)

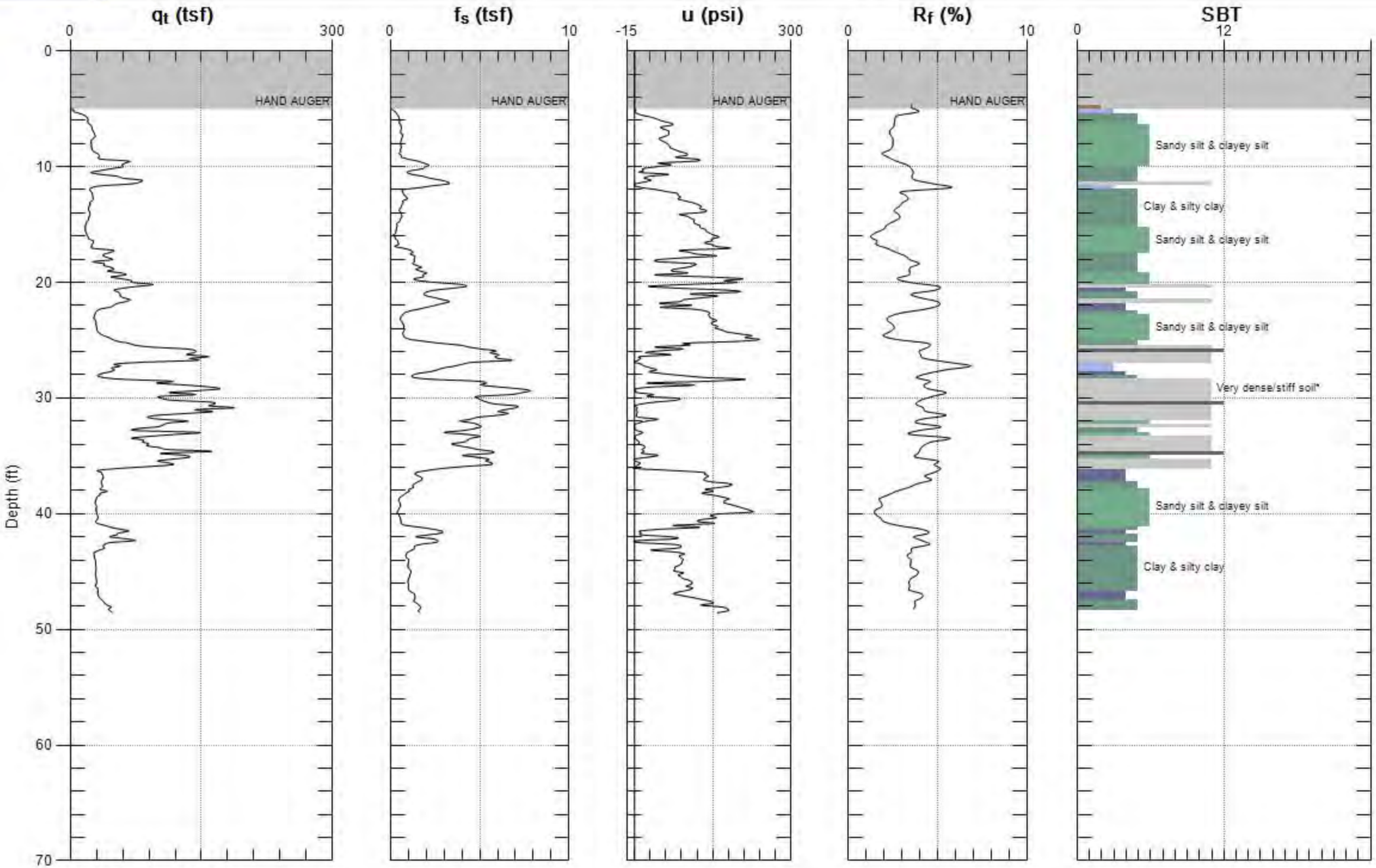
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: NADY
Sounding: CPT-MIP-06
Engineer: M.JONAS
Date: 8/19/2009 07:12



Max. Depth: 48.556 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

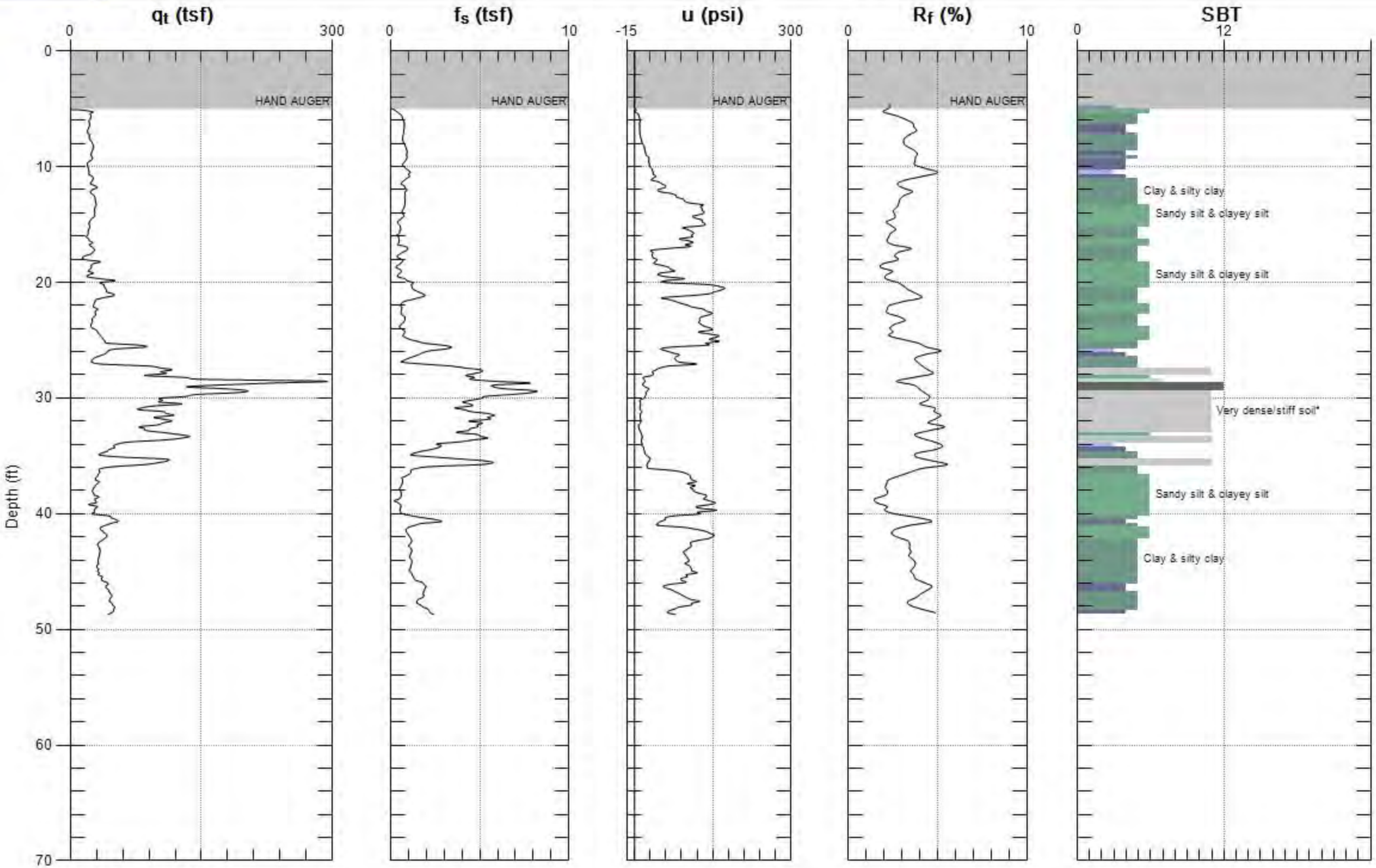
CRA

Site: NADY

Sounding: CPT-MIP-07

Engineer: M.JONAS

Date: 8/19/2009 09:23



Max. Depth: 48.720 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

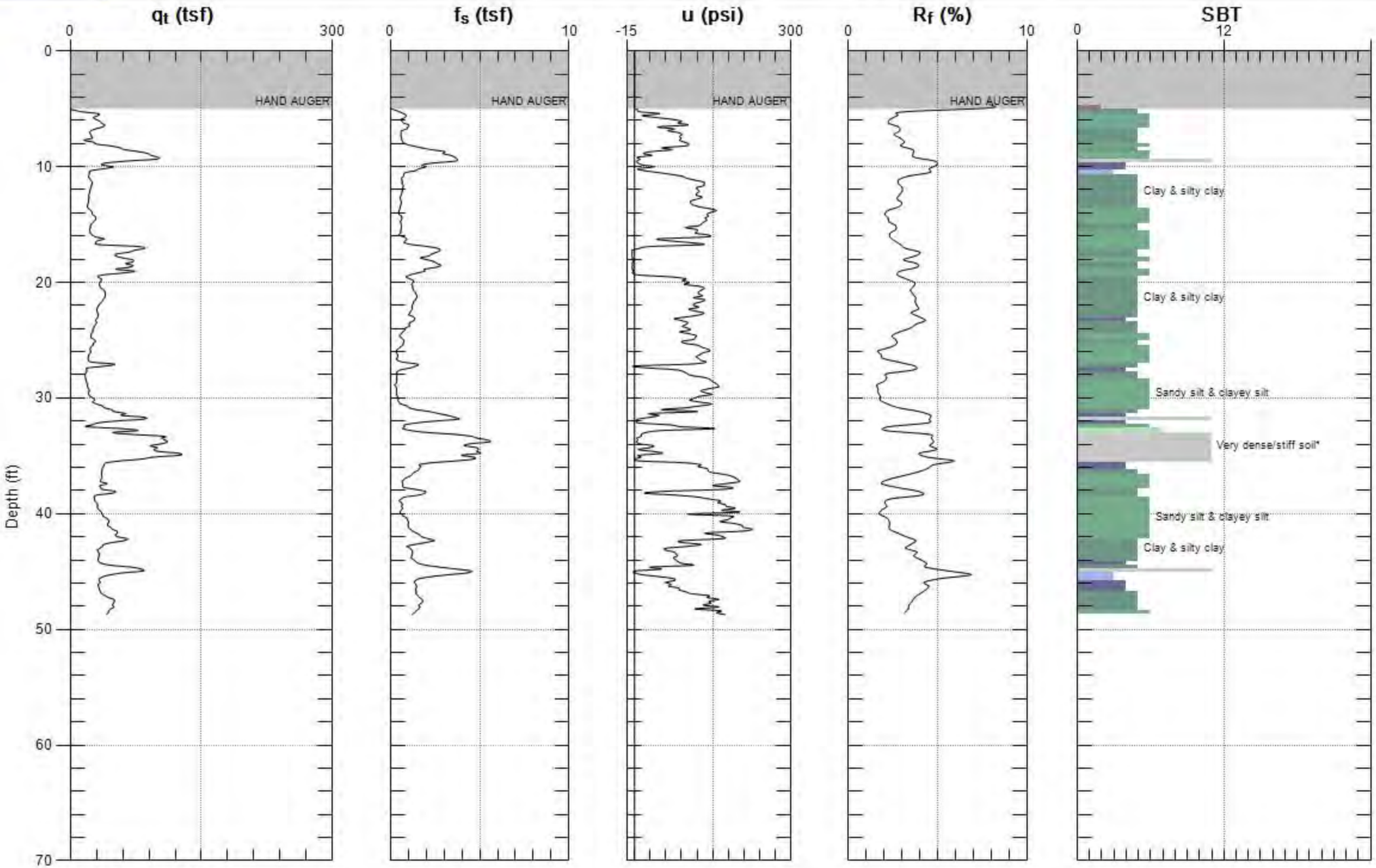
CRA

Site: NADY

Sounding: CPT-MIP-08

Engineer: M.JONAS

Date: 8/19/2009 11:02



Max. Depth: 48.720 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

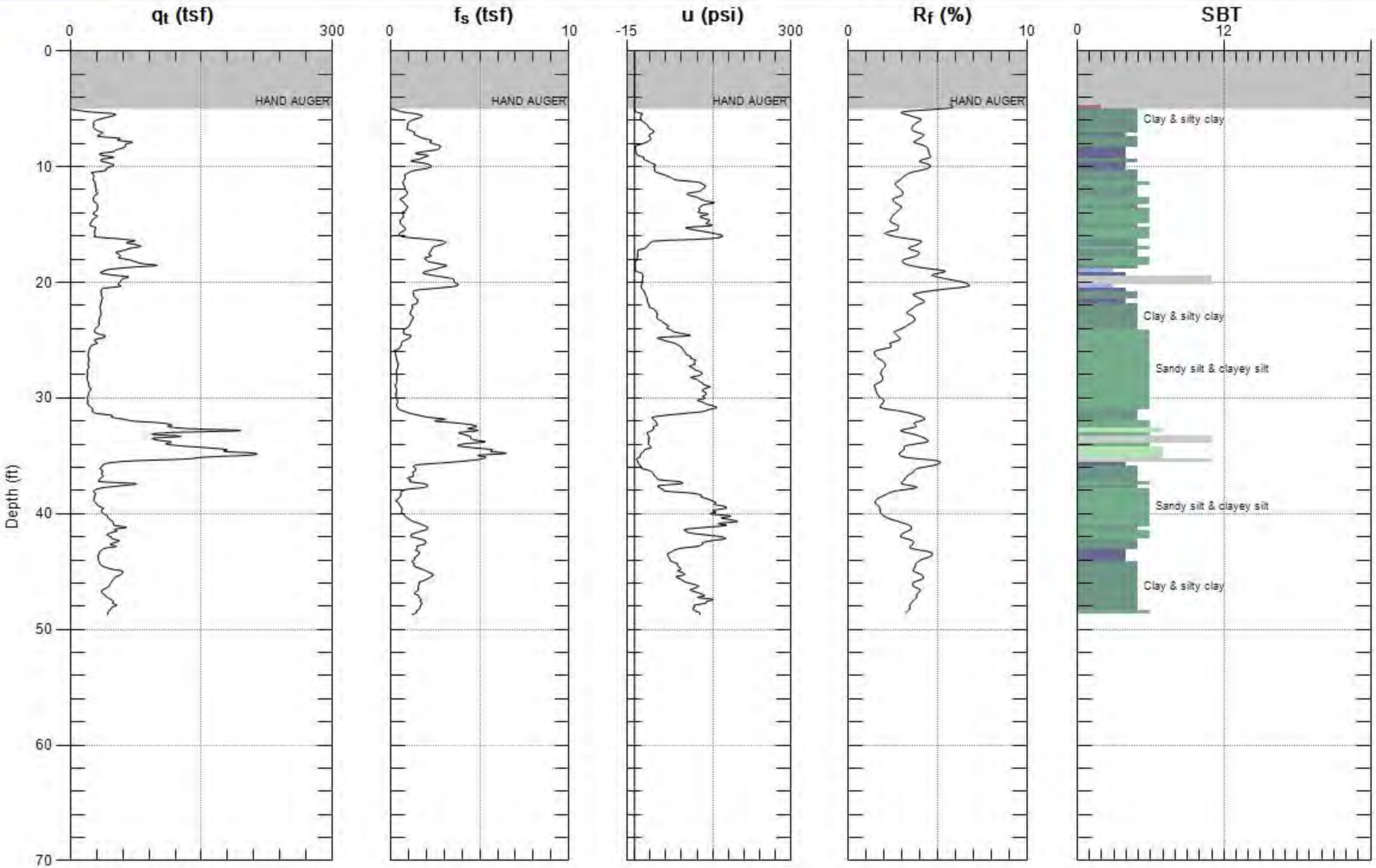
CRA

Site: NADY

Sounding: CPT-MIP-09

Engineer: M.JONAS

Date: 8/19/2009 01:41



Max. Depth: 48.720 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

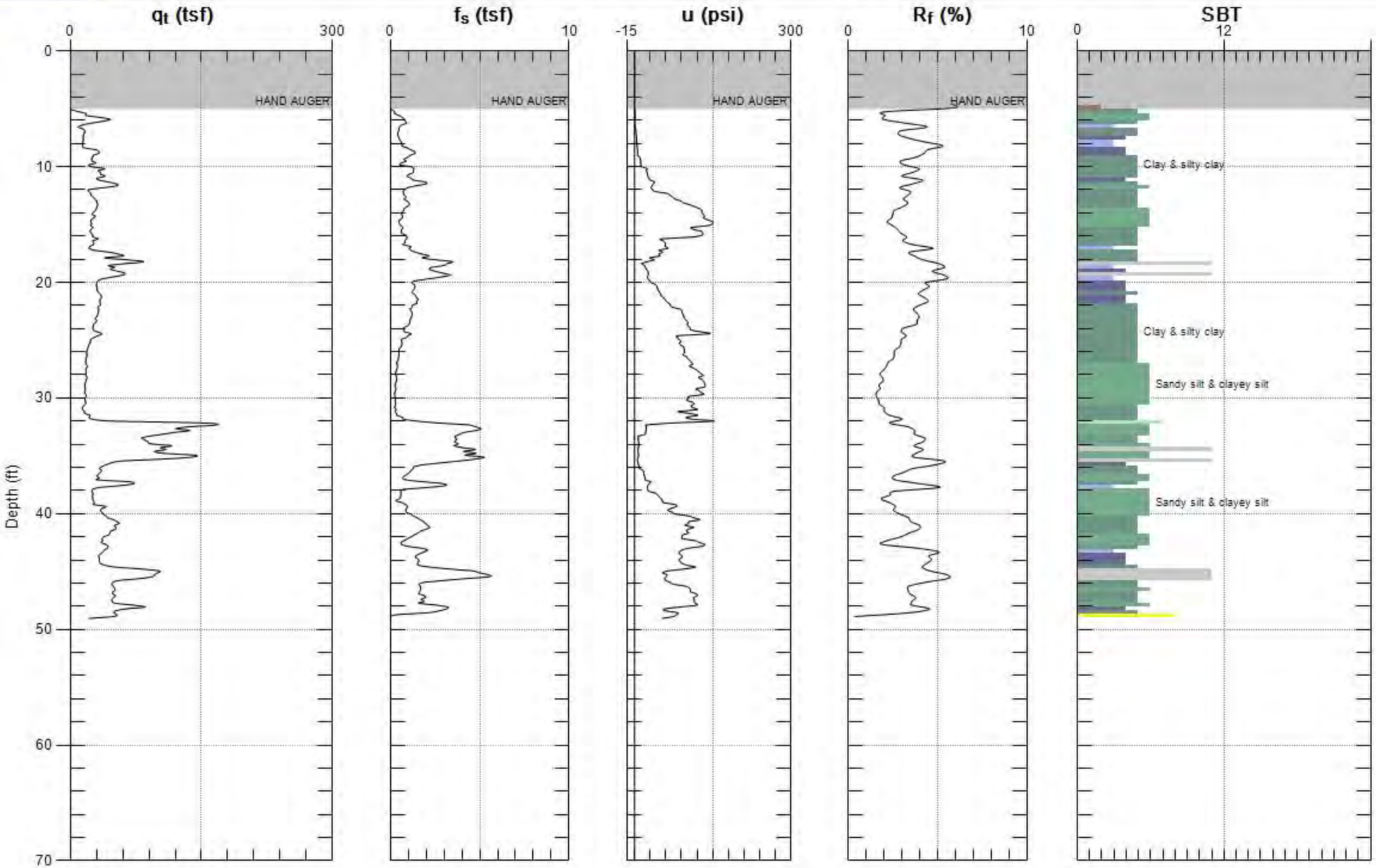
CRA

Site: NADY

Sounding: CPT-MIP-10

Engineer: M.JONAS

Date: 8/18/2009 03:02



Max. Depth: 49.049 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

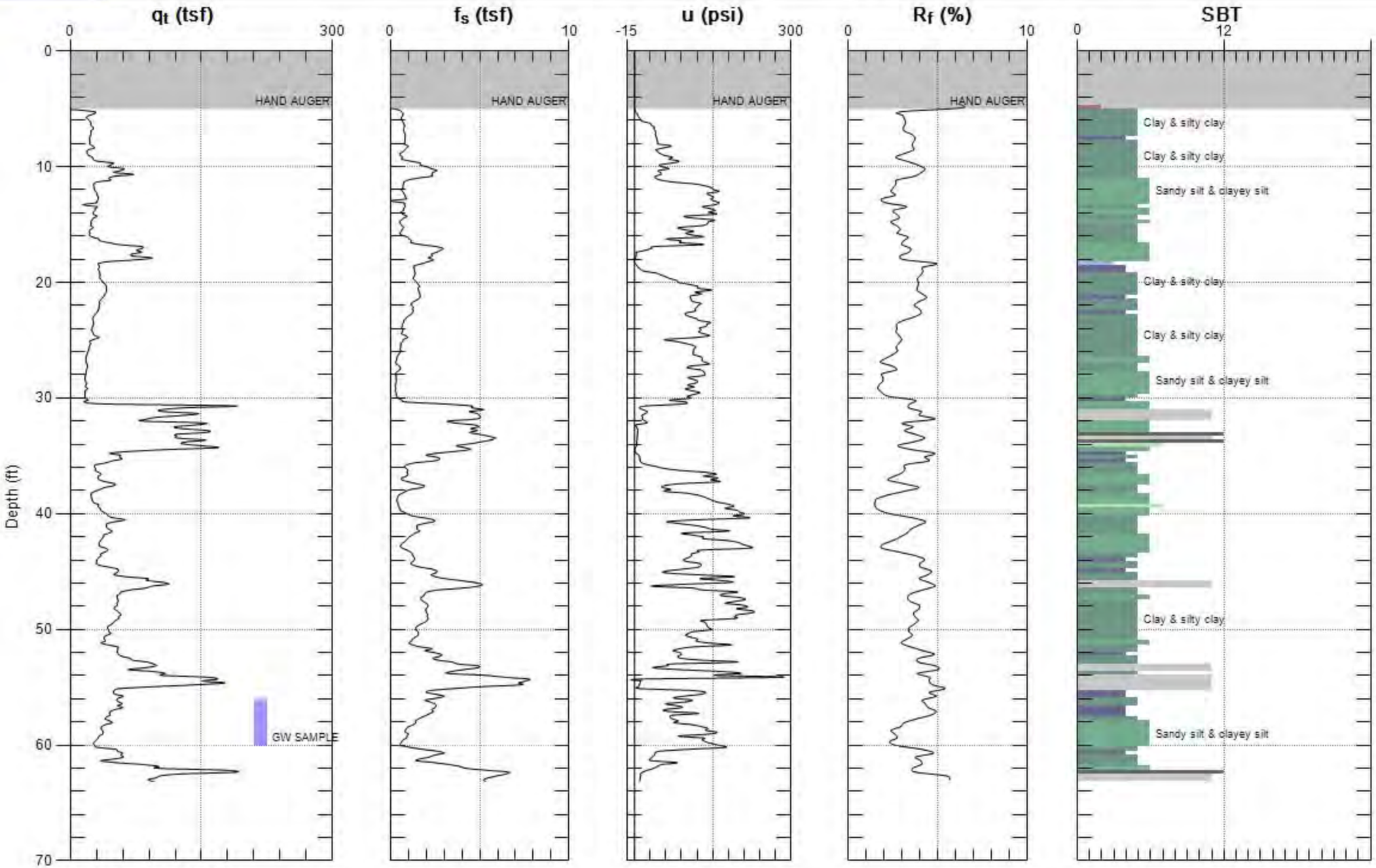
CRA

Site: NADY

Sounding: CPT-MIP-11

Engineer: M.JONAS

Date: 8/18/2009 09:26



Max. Depth: 63.156 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

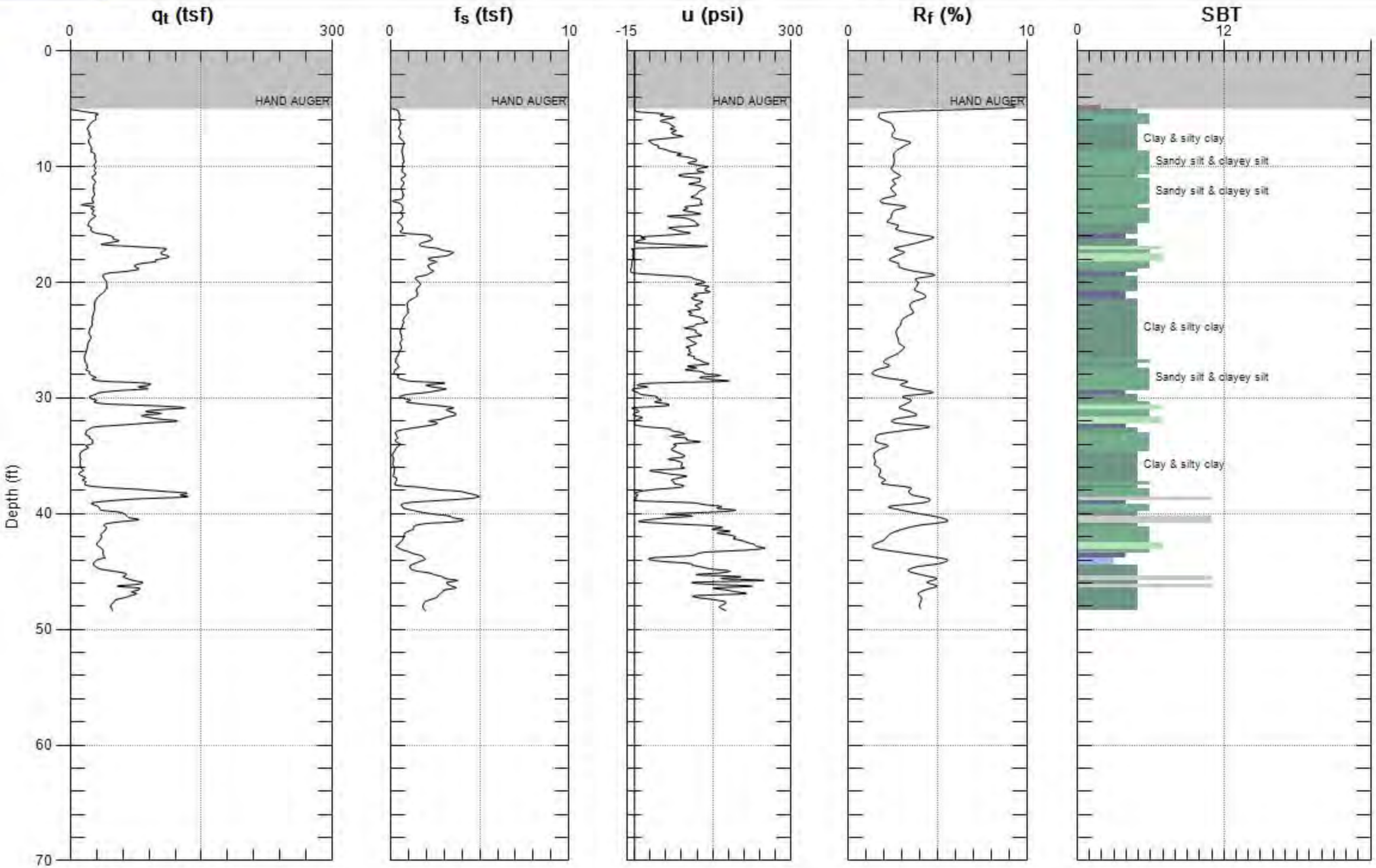
CRA

Site: NADY

Sounding: CPT-MIP-12

Engineer: M.JONAS

Date: 8/18/2009 01:46



Max. Depth: 48.392 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

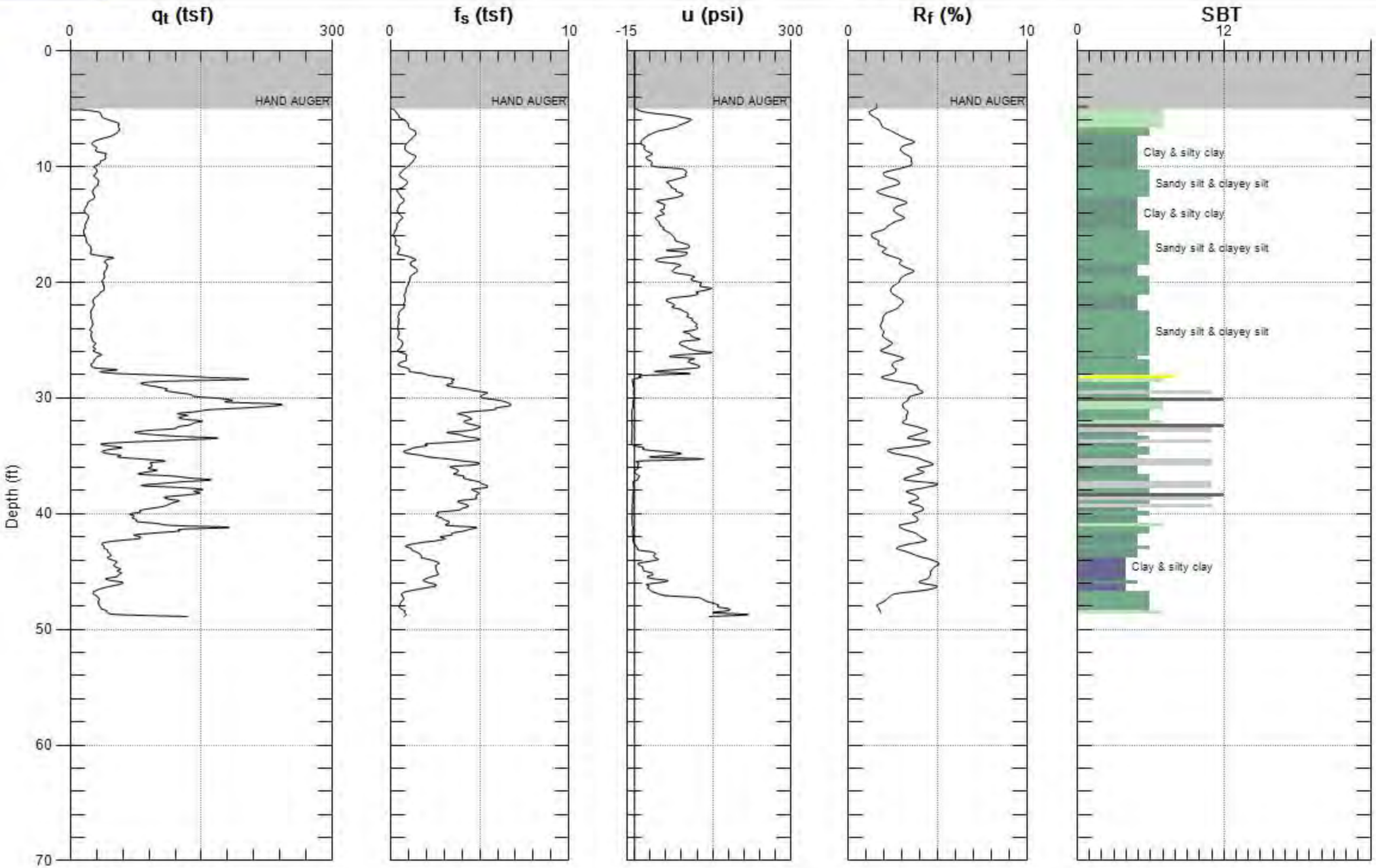
CRA

Site: NADY

Sounding: CPT-MIP-13

Engineer: M.JONAS

Date: 8/20/2009 07:06



Max. Depth: 48.885 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

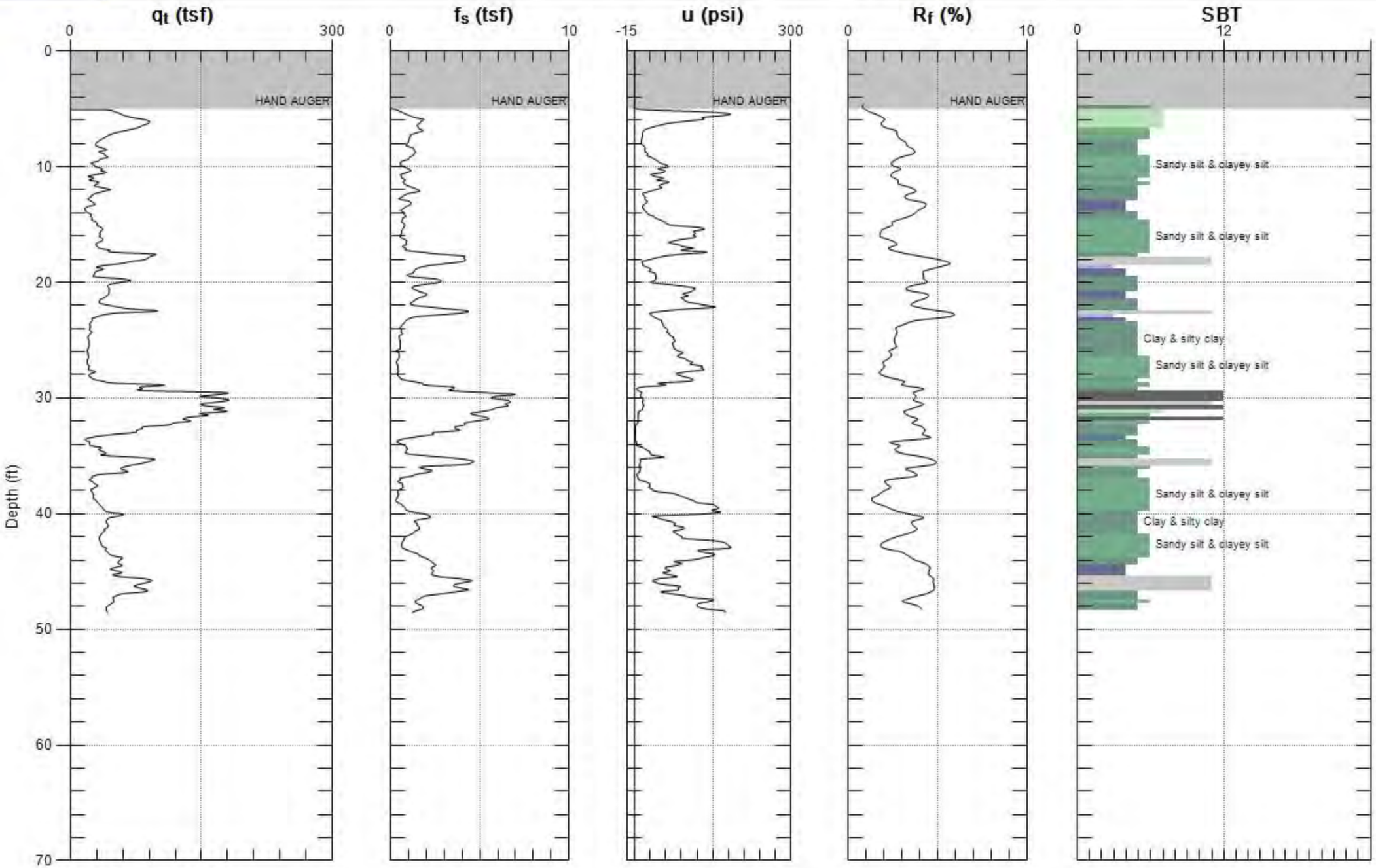
CRA

Site: NADY

Sounding: CPT-MIP-14

Engineer: M.JONAS

Date: 8/20/2009 08:57



Max. Depth: 48.556 (ft)

Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

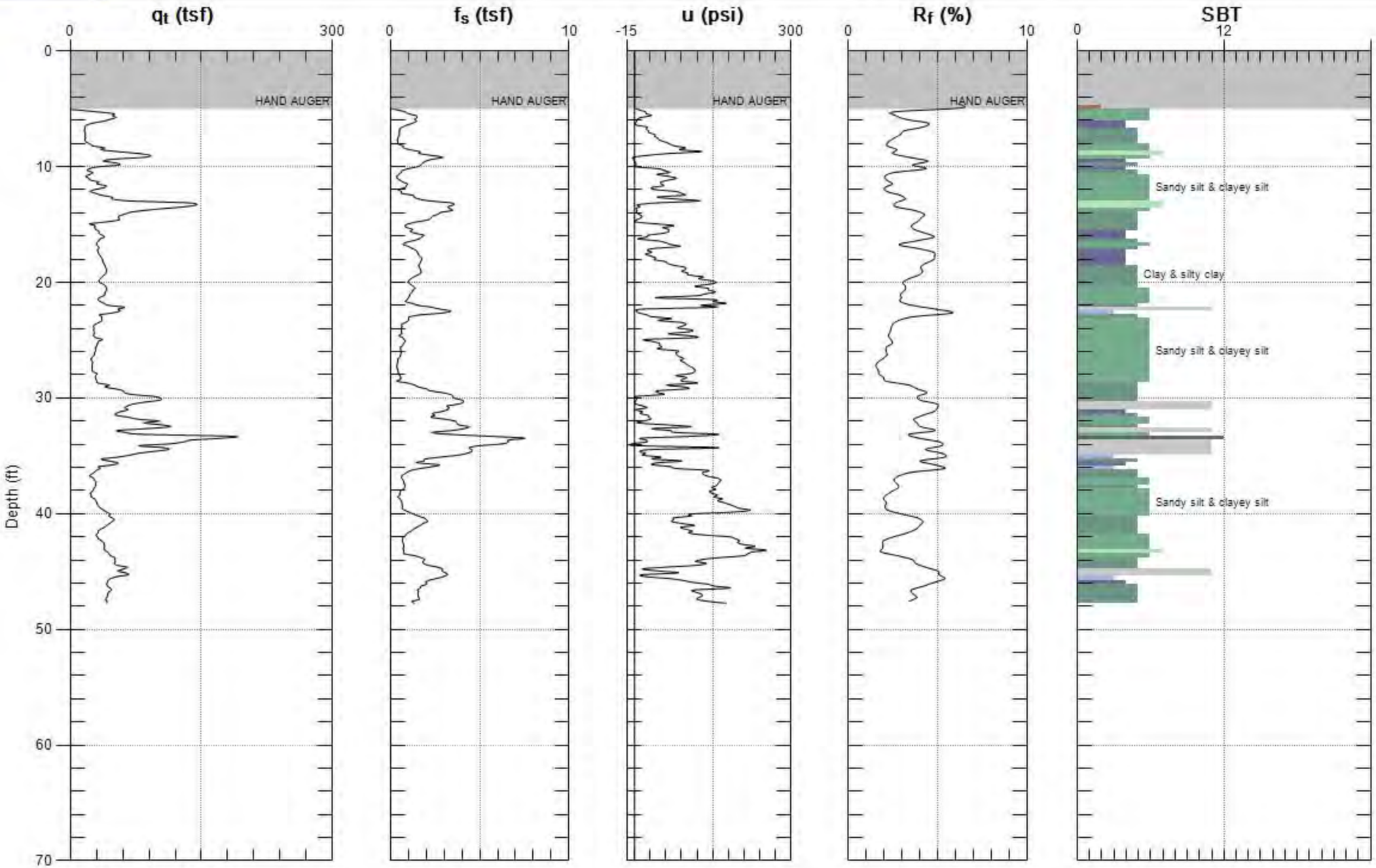
CRA

Site: NADY

Sounding: CPT-MIP-15

Engineer: M.JONAS

Date: 8/20/2009 10:42



Max. Depth: 47.736 (ft)

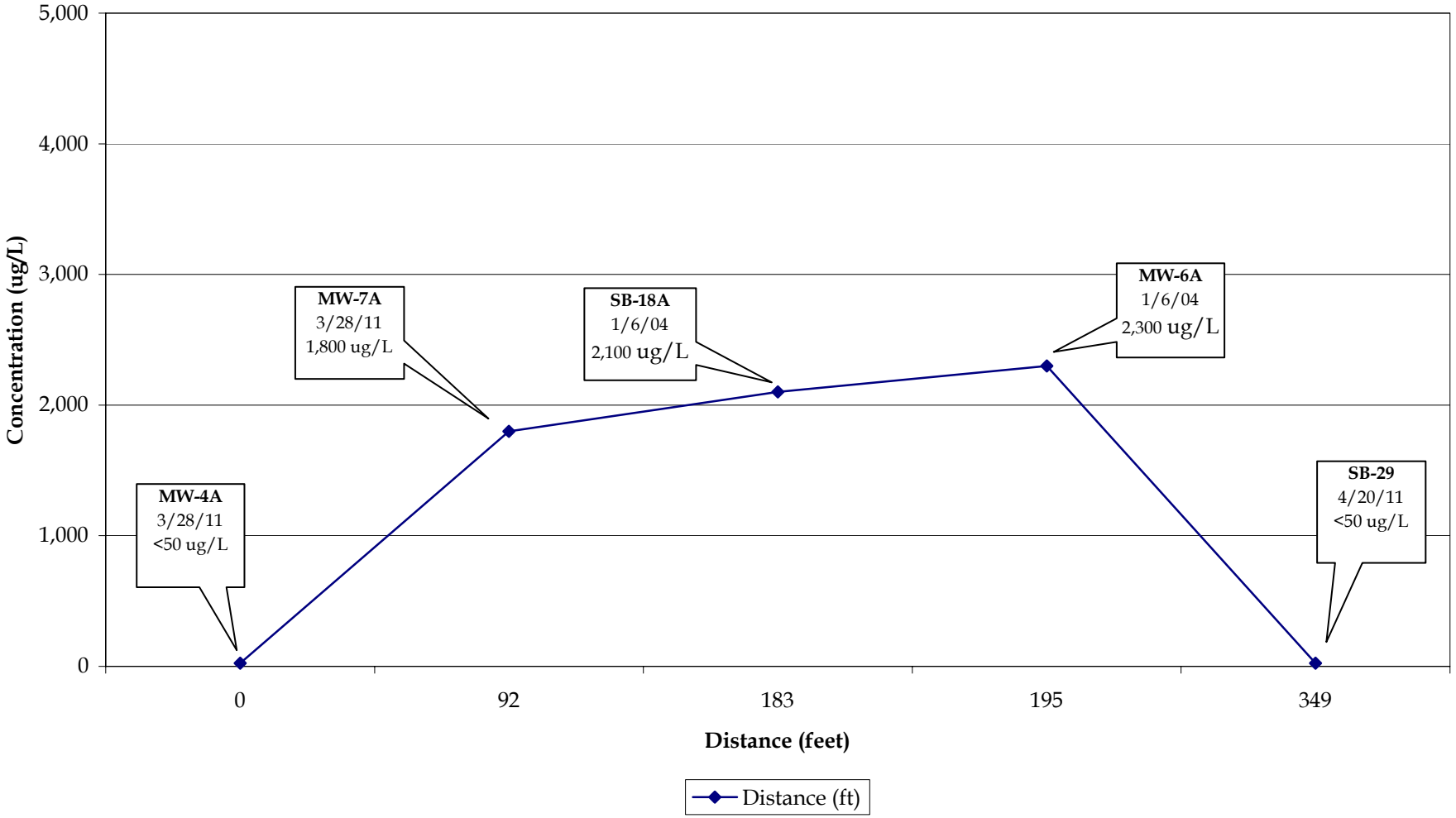
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

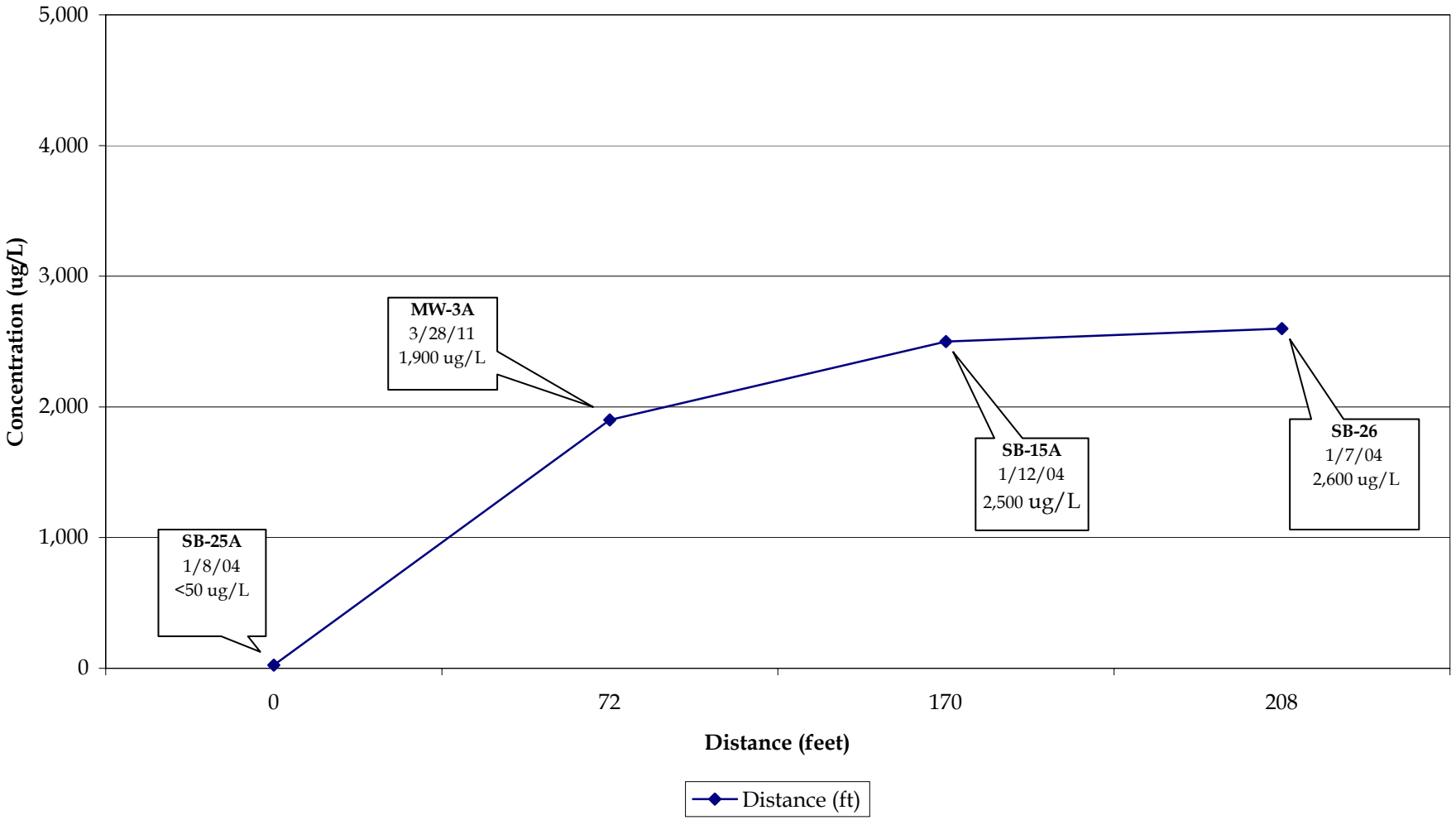
APPENDIX C

CONCENTRATION VS TIME GRAPHS AND CONCENTRATION VS DISTANCE GRAPHS

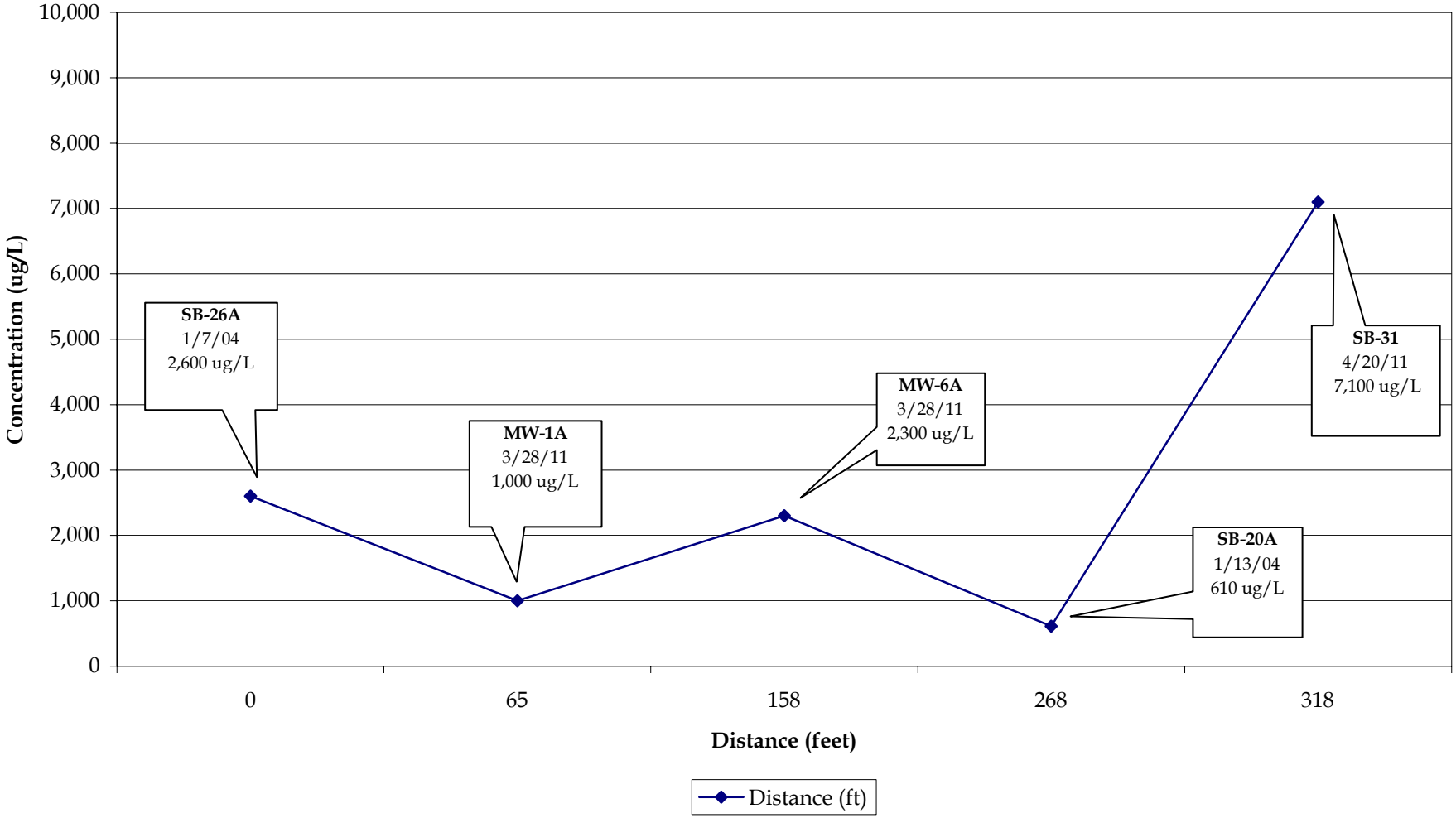
Concentration vs Distance of Stoddard Solvent
Well MW-4A to SB-29
John Nady
1137-1167 65th Street, Oakland, California



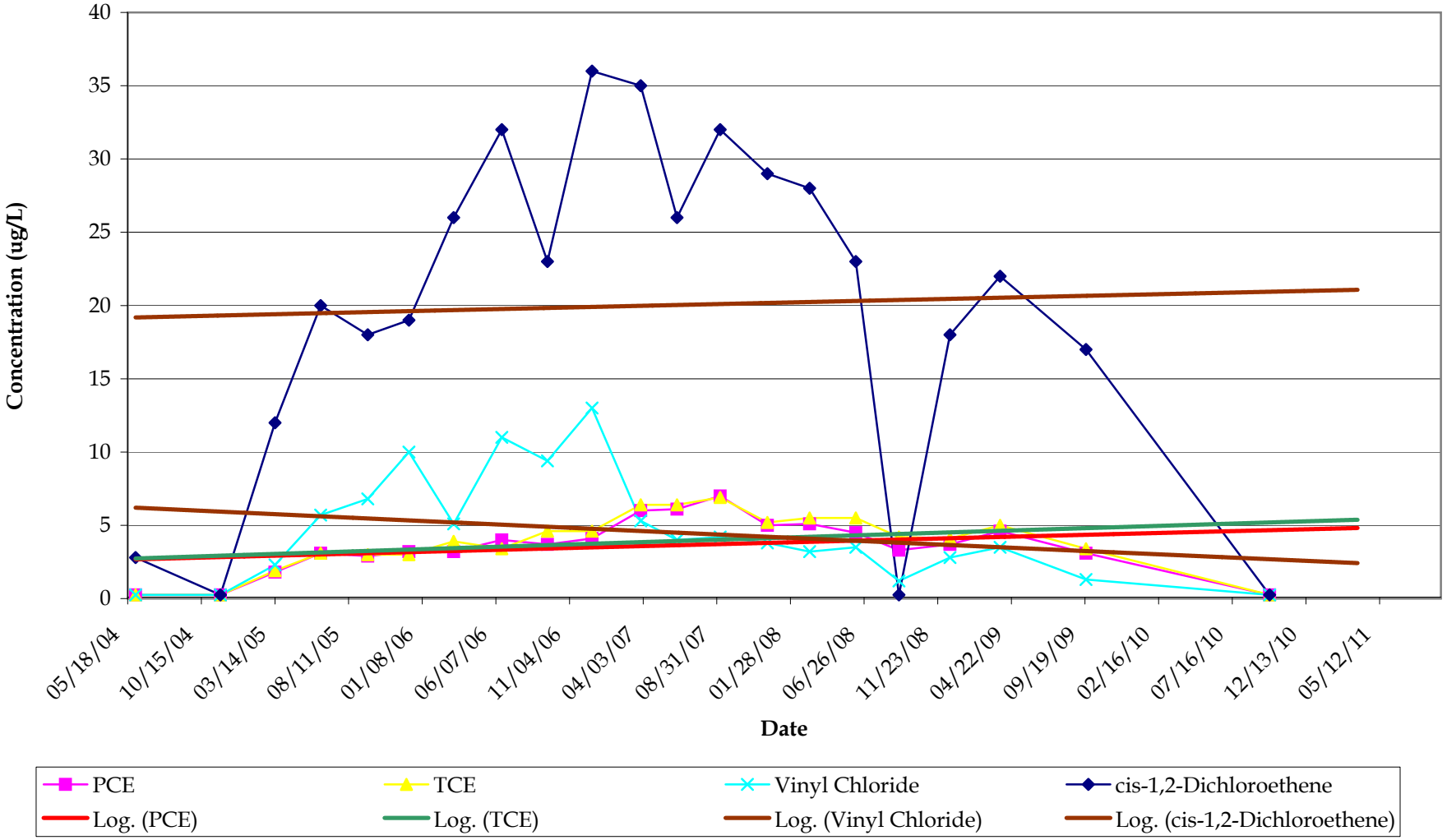
Concentration vs Distance of Stoddard Solvent
Soil Boring SB-25A to SB-26
John Nady
1137-1167 65th Street, Oakland, California



Concentration vs Distance of Stoddard Solvent
Soil Boring SB-26A to SB-31
John Nady
1137-1167 65th Street, Oakland, California



Well MW-6C VOC Concentration
John Nady
1137-1167 65th Street, Oakland, California



APPENDIX D

WELL SURVEY SUMMARY, CAMBRIA 2004

Table 1. Well Survey Summary - Nady Property, 1137-1167 65th Street, Oakland, California

Well No.	Map Location No.	Status	Owner	Use	Total Depth (ft)	Well Location
1S/4W-15E17	1	ACT	Christie Avenue Partners	MON	16	Southeast corner of 63rd Street and Overland Avenue
1S/4W-15A3	2	ACT	Myers Container Corporation	TEST	14.68	6549 San Pablo Avenue, Oakland
1S/4W-15A4	2	ACT	Myers Container Corporation	TEST	14.80	6549 San Pablo Avenue, Oakland
1S/4W-15A5	2	ACT	Myers Container Corporation	TEST	15.43	6549 San Pablo Avenue, Oakland
1S/4W-15A1	2	ACT	Myers Container Corporation	TEST	19.06	6549 San Pablo Avenue, Oakland
1S/4W-15A2	2	ACT	Myers Container Corporation	TEST	13.74	6549 San Pablo Avenue, Oakland
1S/04W-15A08	2	ACT	Myers Container Corporation	MON	16	6549 San Pablo Avenue, Oakland
1S/04W-15A09	2	ACT	Myers Container Corporation	MON	16	6549 San Pablo Avenue, Oakland
1S/4W-15A6	2	ACT	Myers Container Corporation	MON	15	6549 San Pablo Avenue, Oakland
1S/4W-15A10	2	ACT	Myers Container Corporation	MON	15	6549 San Pablo Avenue, Oakland
1S/4W-15A7	2	ACT	Myers Container Corporation	MON	15	6549 San Pablo Avenue, Oakland
1S/4W-15B4	2	ACT	Myers Container Corporation	MON	14	6549 San Pablo Avenue, Oakland
1S/4W-15B5	2	ACT	Myers Container Corporation	MON	13.5	6549 San Pablo Avenue, Oakland
1S/4W-15E11	10	ACT	P.O. Partners	MON	21.8	1650 65th Street, Emeryville
1S/4W-15E5	10	ACT	P.O. Partners	MON	28	1650 65th Street, Emeryville
1S/4W-15E6	10	ACT	P.O. Partners	MON	18	1650 65th Street, Emeryville
1S/4W-15E7	10	ACT	P.O. Partners	MON	15.8	1650 65th Street, Emeryville
1S/4W-15E8	10	ACT	P.O. Partners	MON	17.9	1650 65th Street, Emeryville
1S/4W-15E12	10	ACT	P.O. Partners	MON	18.7	1650 65th Street, Emeryville
1S/4W-15E13	10	ACT	P.O. Partners	MON	28.9	1650 65th Street, Emeryville
1S/4W-15C2	3	ACT	Grove Valve and Regulator Company	MON	25	6529 Hollis Street, Emeryville
1S/4W-15C3	3	ACT	Grove Valve and Regulator Company	MON	25	6529 Hollis Street, Emeryville
1S/4W-15C4	3	ACT	Grove Valve and Regulator Company	MON	25	6529 Hollis Street, Emeryville
1S/4W-15E2	11	ACT	Emeryville Redevelopment Agency	MON	20	1600 64th Street, Emeryville
1S/4W-15E3	11	ACT	Emeryville Redevelopment Agency	MON	15.5	1600 64th Street, Emeryville
1S/4W-15E4	11	ACT	Emeryville Redevelopment Agency	MON	17	1600 64th Street, Emeryville
1S/4W-15E1	9	ACT	Benefit Capital Corporation	MON	30	1650 65th Street, Emeryville
1S/4W-15E1	9	ACT	Benefit Capital Corporation	MON	30	1650 65th Street, Emeryville
1S/4W-15F1	14	ACT	Wareham Development	MON	20	Northeast corner of Overland Avenue and 63rd Street
1S/4W-15F2	14	ACT	Wareham Development	MON	25	Northeast corner of Overland Avenue and 63rd Street
1S/4W-15F3	7	DES	HFH Limited	MON	12.5	1351 Ocean Avenue, Emeryville
1S/4W-15F3	7	ACT	HFH Limited	MON	13	1351 Ocean Avenue, Emeryville
1S/4W-15D2	4	ACT	MRCP Realty Properties	TEST	21.5	West of Bay Street at end of 66th Street, Emeryville
1S/4W-15D1	4	ACT	MRCP Realty Properties	TEST	22	West of Bay Street at end of 66th Street, Emeryville
1S/4W-15B06	5	ACT	Oliver Rubber	MON	25	1200 65th Street, Emeryville

Table 1. Well Survey Summary - Nady Property, 1137-1167 65th Street, Oakland, California

Well No.	Map Location No.	Status	Owner	Use	Total Depth (ft)	Well Location
1S/4W-15B07	5	ACT	Oliver Rubber	MON	25	1200 65th Street, Emeryville
1S/4W-15B08	5	ACT	Oliver Rubber	MON	25	1200 65th Street, Emeryville
1S/4W-15B1	6	ACT	Linde Gases	MON	29	1171 Ocean Avenue, Oakland
NA	8	ACT	Bonta Collins	MON	20	6000 Hollis Street, Emeryville
1S/4W-15C1	12	ACT	Charles Gensler	MON	23	1301 65th Street, Emeryville
1S/4W-15L3	13	ACT	United States Postal Service	TEST	18.5	6121 Hollis Street, Emeryville

Abbreviations:

ABA = Abandoned
ACT = Active
DES = Destroyed
NA = Not Available

MON = Monitoring Well
AGR = Agricultural Well
CAT = Cathodic Protection Well
DOM = Domestic Well

TEST = Test Well
IND = Industrial Well
MUN = Municipal/Recreation Well
REM = Remediation Well

APPENDIX E

STANDARD FIELD PROCEDURES

Alameda County Public Works Agency - Water Resources Well Permit

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

- Excavation permit

Application Approved on: 04/14/2011 By jamesy

Permit Numbers: W2011-0278
Permits Valid from 04/18/2011 to 04/29/2011

Application Id: 1302718832043
City of Project Site: Oakland
Site Location: 1137-1167 65th St, Oakland, CA
Project Start Date: 04/18/2011
Completion Date: 04/29/2011
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Conestoga Rovers & Associates - Bryan Fong
5900 Hollis St, Ste A, Emeryville, CA 94608
Phone: 510-420-0700

Property Owner: Mr. John Nady c/o Fredrick Schrag
6701 Shellmound St, Emeryville, CA 94608
Phone: 510-652-2411

Client: ** same as Property Owner **

Total Due: $265.00
Receipt Number: WR2011-0111 **Total Amount Paid:** $265.00
Payer Name : Conestoga Rovers Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 3 Boreholes
Driller: Vapor Tech - Lic #: 916085 - Method: other

Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2011-0278	04/14/2011	07/17/2011	3	3.00 in.	40.00 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 Steve Miller for an inspection time at (510) 670-5517 or email to stevem@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

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.

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1100396 Job Site 1137 65TH ST Parcel# 016 -1505-011-03

Descr Soil boring(s) on Ocean Ave. No impact on traffic lane allowed. Call PWA INSPECTION prior to start: 510-238-3651. Install wells on 65th street and on Peabody Lane. Permit Issued 04/12/11

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # 521000 Acctg#:
Util Fund #:

	Applcnt	Phone#	Lic#	--License Classes--
Owner NADY JOHN TR				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr				
Agent CRA: B. FONG		(510)420-3369		

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

$436.05 TOTAL FEES PAID AT ISSUANCE

$71.00 Applic	$309.00 Permit
$.00 Process	$36.10 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.95 Tech Enh

JOB SITE

Permit Issued By 9 Date:

Finaled By Date:

ADDRESS:

DIST:

CITY OF OAKLAND

PAID
SMK 4/12/11

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1100396 Parcel #: 016 -1505-011-03
Project Address: 1137 65TH ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

_____ _____ _____
PRINT NAME Signature [ ] Contractor, or [ ] Agent Date

ADDRESS:

DIST.

CITY OF OAKLAND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1100395 Job Site 1137 65TH ST Parcel# 016 -1505-011-03

Descr Soil boring(s) on Peabody Ln. No impact on traffic lane allowed. Call PWA INSPECTION prior to start: 510-238-3651. Install wells on 65th street and on Peabody Lane. Permit Issued 04/12/11

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # 521000 Acctg#:

Util Fund #:

	Applcnt	Phone#	Lic#	--License Classes--
Owner	NADY JOHN TR			
Contractor	VAPOR TECH SERVICES	X	(415)378-0415	916085 C57
Arch/Engr				
Agent	CRA: B. FONG		(510)420-3369	

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

$436.05 TOTAL FEES PAID AT ISSUANCE

$71.00 Applic	$309.00 Permit
$.00 Process	$36.10 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.95 Tech Enh

JOB SITE

Permit Issued By 9 Date:

Finaled By Date:

ADDRESS:

DIST:

CITY OF OAKLAND

PAID
SMK 4/12/11

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1100395 Parcel #: 016 -1505-011-03
Project Address: 1137 65TH ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

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[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date _____

ADDRESS:

DIST:

C I T Y O F O A K L A N D
Commumity & Economic Development Agency
250 Frank H. Ogawa Pl, Oakland CA, 94612
Phone: (510)238-4774 FAX: (510)238-2263

PAYMENT RECEIPT

Application#: X1100396	Payment#: 001
APPLICATION FEE	$71.00
EXCAVATION PERMIT	$309.00
RECORDS MANAGEMENT FEE	$36.10
TECHNOLOGY ENHANCEMENT FE	$19.95
Subtotal:	$436.05
Application#: X1100395	Payment#: 001
APPLICATION FEE	$71.00
EXCAVATION PERMIT	$309.00
RECORDS MANAGEMENT FEE	$36.10
TECHNOLOGY ENHANCEMENT FE	$19.95
Subtotal:	$436.05
Sales Tax:	$.00
****** TOTAL PAID:	$872.10
Check Payment:	$872.10

Payor: CONESTOGA ROVERS 11123
Date: 04/12/11 Time: 14:57:13
By: SYK Register R03 Receipt# 156114

****
ORIGINAL RECEIPT REQUIRED FOR REFUND
****

APPENDIX F

PERMITS

Draft

Standard Operating Procedure (SOP) for Installation of Sub-Slab Vapor Probes and Sampling Using EPA Method TO-15 to Support Vapor Intrusion Investigations

Dominic DiGiulio, Ph.D.
U.S. Environmental Protection Agency
Office of Research and Development
National Risk Management Research Laboratory
Ground-Water and Ecosystem Restoration Division
Ada, Oklahoma

phone: 580-436-8605
e-mail: digiulio.dominic@epa.gov

Background

Vapor intrusion is defined as vapor phase migration of volatile organic and/or inorganic compounds into occupied buildings from underlying contaminated ground water and/or soil. Until recently, this transport pathway was not routinely considered in RCRA, CERCLA, or UST investigations. Therefore the number of buildings or homes where vapor intrusion has occurred or is occurring is undefined. However, considering the vast number of current and former industrial, commercial, and waste processing facilities in the United States capable of causing volatile organic or inorganic ground-water or soil contamination, contaminant exposure via vapor intrusion could pose a significant risk to the public. Also, consideration of this transport pathway may necessitate review of remedial decisions at RCRA and CERCLA sites as well as implementation of risk-reduction technologies at Brownsfield sites where future development and subsequent potential exposure may occur. EPA's Office of Solid Waste and Emergency Response (OSWER) recently (2002) developed guidance to facilitate assessment of vapor intrusion at sites regulated by RCRA and CERCLA where halogenated organic compounds constitute the bulk of risk to human health. EPA's Office of Underground Storage Tanks (OUST) is considering modifying this guidance to include underground storage tank sites where petroleum compounds primarily determine risk and biodegradation in subsurface media may be a dominant fate process.

The OSWER guidance recommends indoor air and sub-slab gas sampling in potentially affected buildings at sites containing elevated levels of soil-gas and ground-water contamination. To support the guidance and improve site-characterization and data interpretation methods to assess vapor intrusion, EPA's Office or Research and Development is developing a protocol for sub-slab gas sampling. When used in conjunction with indoor air, outdoor air, and soil gas and/or ground-water sampling, sub-slab gas sampling can be used to differentiate indoor and outdoor sources of volatile organic and/or inorganic compounds from compounds emanating from contaminated subsurface media. This information can then be used to assess the need for sub-slab depressurization or other risk-reduction technologies to reduce present or potential future indoor air contamination due to vapor intrusion.

Sub-Slab Vapor Probe Construction and Installation

1. Prior to drilling holes in a foundation or slab, contact local utility companies to identify and mark utilities coming into the building from the outside (e.g., gas, water, sewer, refrigerant, and electrical lines). Consult with a local electrician and plumber to identify the location of utilities inside the building.

2. Prior to fabrication of sub-slab vapor probes, drill a pilot hole to assess the thickness of a slab. As illustrated in **Figure 1**, use a rotary hammer drill to create a "shallow" (e.g., 2.5 cm or 1 in) "outer" hole (e.g., 2.2 cm or 7/8 in diameter) that partially penetrates the slab. Use a small portable vacuum cleaner to remove cuttings from the hole if penetration has not occurred. Removal of cuttings in this manner in a competent slab will not compromise sampling because of lack of pneumatic communication between sub-slab material and the source of vacuum.

3. Then use the rotary hammer drill to create a smaller diameter "inner" hole (e.g., 0.8 cm or 5/16 in) through the remainder of the slab and some depth (e.g., 7 to 8 cm or 3 in) into sub-slab material. **Figure 2** illustrates the appearance of "inner" and "outer" holes. Drilling into sub-slab material will create an open cavity which will prevent obstruction of

probes during sampling by small pieces of gravel.

4. The basic design of a sub-slab vapor probe is illustrated in **Figure 3**. Once the thickness of the slab is known, tubing should be cut to ensure that probes "float" in the slab to avoid obstruction of the probe with sub-slab material. Construct sub-slab vapor probes from small diameter (e.g., 0.64 cm or 1/4 in OD x 0.46 cm or 0.18 in ID) chromatography grade 316 stainless steel tubing and stainless-steel compression to thread fittings (e.g., 0.64 cm or 1/4 in OD x 0.32 cm or 1/8 in NPT Swagelok female thread connectors) as illustrated in **Figure 4**. Use of stainless-steel materials to ensure that construction materials are not a source of VOCs.

5. Set sub-slab vapor probes in holes. As illustrated in **Figure 5**, the top of the probes should be completed flush with the slab and have recessed stainless steel or brass plugs so as not interfere with day-to-day use of buildings. Mix a quick-drying portland cement which expands upon drying (to ensure a tight seal) with water to form a slurry and inject or push into the annular space between the probe and outside of the "outer" hole. Allow cement to cure for at least 24 hours prior to sampling.

6. Install at least 3 sub-slab vapor probes in each residence. As illustrated in **Figure 6**, create a schematic identifying the location of each sub-slab probe.

Sub-Slab Sampling

1. Connect dedicated a stainless-steel fitting and tubing (e.g., 1/8 in NPT to 1/4 in tube Swagelok fitting and 30 cm or 1 ft of 1/4 in I.D. Teflon tubing to a sub-slab vapor probe as illustrated in **Figure 7**. Use of dedicated fitting and tubing will avoid cross-contamination issues.

2. Connect the Teflon tubing to 1/4" ID Masterflex (e.g., 1.4 in ID high performance Tygon LFL) tubing and a peristaltic pump and 1-L Tedlar bag as illustrated in **Figure 8**. Use of a peristaltic pump will ensure that sampled air does not circulate through a pump causing potential cross contamination and leakage.

3. Purge vapor probe by filling two dedicated 1-L Tedlar bags. The internal volume of sub-slab probes is insignificant (< 5 cm^3). A purge volume of 2 L was chosen based on the assumption of a 0.64 cm (1/4") air space beneath a slab and an affected sample diameter of 0.61 m (2 ft).

4. Use a portable landfill gas meter to analyze for O_2, CO_2 and CH_4 in Tedlar bags as illustrated in **Figure 9**.

5. Collect sub-slab vapor samples in evacuated 10% or 100% certified 1-L Summa polished canisters and dedicated particulate filters as illustrated in **Figure 10**. Check vacuum in canisters prior to sampling. Sampling will cease when canister pressure reaches atmospheric pressure. Submit canisters to a commercial laboratory for analysis by EPA Method TO-15.

6. Collect at least one duplicate sub-slab sample per building using dedicated stainless-steel tubing as illustrated in **Figure 11**.

Figure 1. Drilling through a slab

Figure 2. "inner and "outer

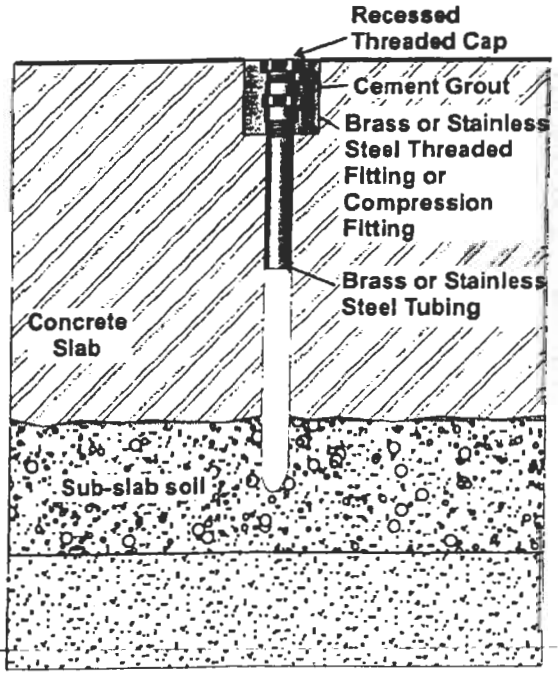

Figure 3. General schematic of sub-slab vapor probe

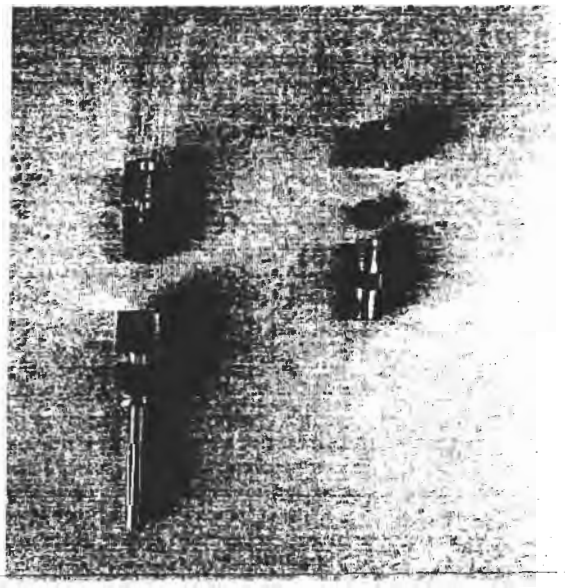

Figure 4. Stainless steel sub-slab vapor probe components

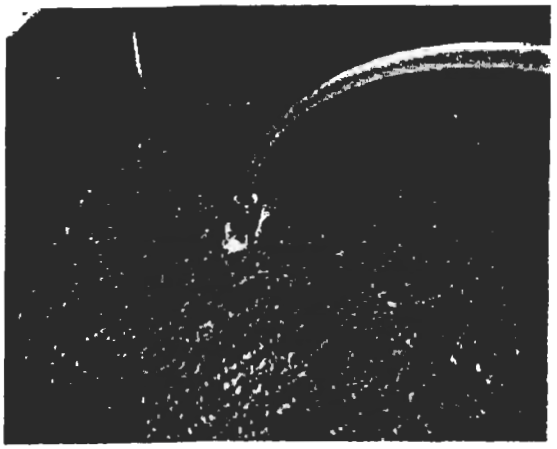

Figure 7. Compression fitting to probe

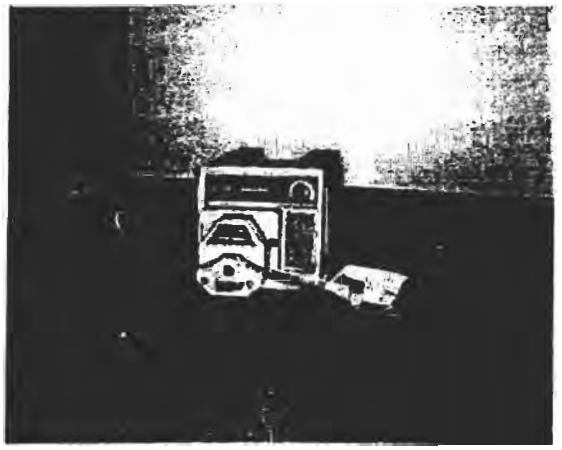

Figure 8. Purge prior to sampling

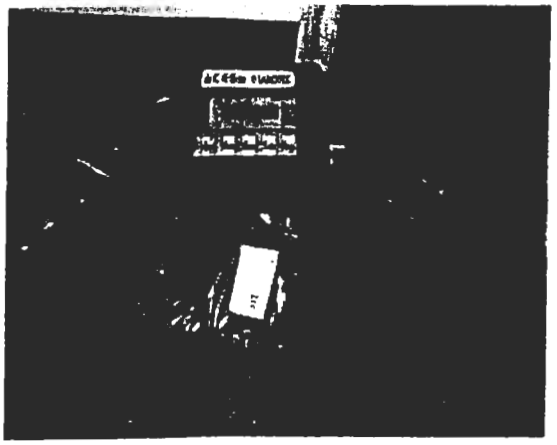

Figure 9. Analysis of O2, CO2, and CH4

Figure 10. Sampling in 1-L evacuated canister for TO-15 analysis

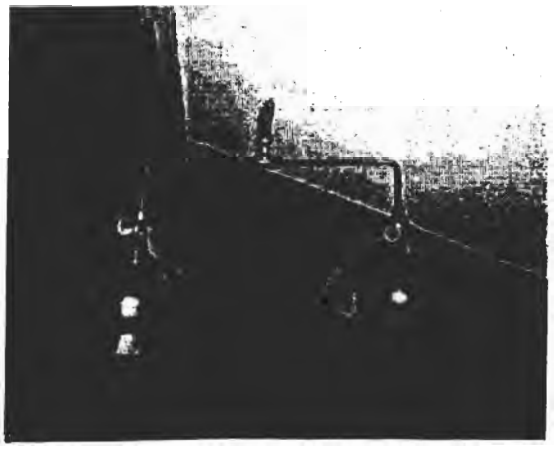

Figure 11. Collection of duplicate sample

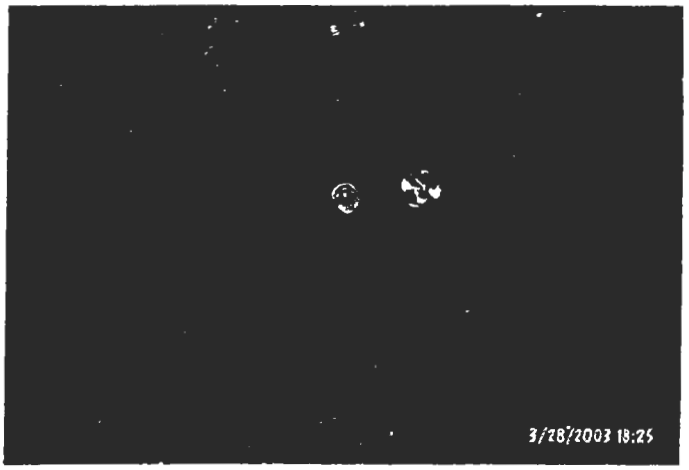

Figure 5. Competed vapor probe installation

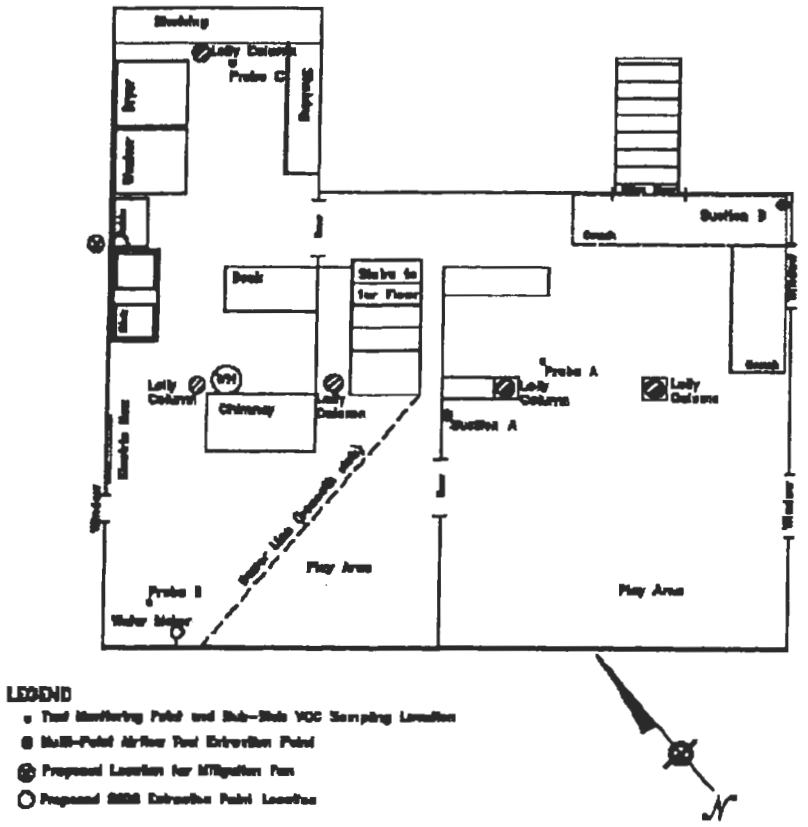

Figure 6. Schematic illustration location of vapor probes in a basement

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes CRA's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremmie pipe.

APPENDIX G

LABORATORY ANALYTICAL REPORTS – VAPOR, SOIL AND GRAB - GROUNDWATER

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/20/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Reported: 05/04/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 05/04/11

WorkOrder: 1104771

May 04, 2011

Dear Robert:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#521000; Nady,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

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

1104771

CHAIN OF CUSTODY RECORD

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

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

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

Report To: Robert Foss	Bill To: Robert Foss
Company: CRA	
5900 Hollis, Suite A	Chee@craworld.com
Emeryville, CA	E-Mail: bfoss@craworld.com
Tele: (510) 420-3348	Fax: (510) 420-9170
Project #: 521000	Project Name: Nady
Project Location: 1137 65th Street, Oakland, CA	
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
SB-31A-8-W		4/20/11	14:00	6		X					X			
SB-31A-8-W		4/20/11	14:00	1		X					X			
SB-30C-32-W		4/20/11	14:20	1		X					X			
SB-30C-32-W		4/20/11	14:20	6		X					X			
SB-30A-4.5-W		4/20/11	15:50	6		X					X			
SB-30A-4.5-W		4/20/11	15:50	2		X					X			
SB-30B-13-W		4/20/11	16:50	1		X					X			
SB-30B-13-W		4/20/11	16:50	4		X					X			
SB-31B-22-W		4/19/11	16:00	1	AMBER & VOA	X					X			
SB-31B-22-W		4/19/11	16:00	6		X					X			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) w/ silica gel	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Arocolors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: TPH-MO w/ silica gel (8015m)	Other: TPH-55 (8015m)	Other: HVOC (8010 Target List) by 8260	Comments
X	X															X	X	X	

ICE/t° 5.0

COMMENTS:

GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

PRESERVATION VOAS O&G METALS OTHER pH<2

Relinquished By:	Date:	Time:	Received By:
	4/21/11	1750	
	4/21/11	1400	
	4/22/11	1630	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1104771 **ClientCode: CETE**

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

Report to:
Robert Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-0700 FAX: (510) 420-9170

Email: bfoss@craworld.com; chee@craworld.co
cc:
PO:
ProjectNo: #521000; Nady

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **04/27/2011**
Date Printed: **04/27/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1104771-001	SB-31-8-W	Water	4/20/2011 14:00	☐	C	A	A	B								
1104771-002	SB-30-32-W	Water	4/20/2011 14:20	☐	C	A		B								
1104771-003	SB-30-4.5-W	Water	4/20/2011 15:50	☐	C	A		B								
1104771-004	SB-30-13-W	Water	4/20/2011 16:50	☐	C	A		B								
1104771-005	SB-31-22-W	Water	4/19/2011 16:00	☐	C	A		B								

Test Legend:

1	8010BMS_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)WSG_W	5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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

Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**
Date and Time Received: **4/27/2011 5:03:45 PM**

Project Name: **#521000; Nady**
Checklist completed and reviewed by: Zoraida Cortez

WorkOrder N°: **1104771** Matrix Water
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/20/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/28/11-05/02/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-05/02/11

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1104771

Lab ID	1104771-001C	1104771-002C	1104771-003C	1104771-004C	Reporting Limit for DF =1	
Client ID	SB-31-8-W	SB-30-32-W	SB-30-4.5-W	SB-30-13-W		
Matrix	W	W	W	W	S	W
DF	1	20	2.5	100		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Bromoform	ND	ND<10	ND<1.2	ND<50	NA	0.5
Bromomethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Carbon Tetrachloride	ND	ND<10	ND<1.2	ND<50	NA	0.5
Chlorobenzene	ND	ND<10	ND<1.2	ND<50	NA	0.5
Chloroethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Chloroform	ND	ND<10	ND<1.2	ND<50	NA	0.5
Chloromethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Dibromochloromethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,2-Dichlorobenzene	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,3-Dichlorobenzene	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,4-Dichlorobenzene	ND	ND<10	ND<1.2	ND<50	NA	0.5
Dichlorodifluoromethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,1-Dichloroethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,1-Dichloroethene	ND	ND<10	ND<1.2	ND<50	NA	0.5
cis-1,2-Dichloroethene	ND	ND<10	4.6	ND<50	NA	0.5
trans-1,2-Dichloroethene	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,2-Dichloropropane	ND	ND<10	ND<1.2	ND<50	NA	0.5
cis-1,3-Dichloropropene	ND	ND<10	ND<1.2	ND<50	NA	0.5
trans-1,3-Dichloropropene	ND	ND<10	ND<1.2	ND<50	NA	0.5
Freon 113	ND	ND<200	ND<25	ND<1000	NA	10
Methylene chloride	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Tetrachloroethene	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,1,1-Trichloroethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
1,1,2-Trichloroethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Trichloroethene	ND	320	57	1200	NA	0.5
Trichlorofluoromethane	ND	ND<10	ND<1.2	ND<50	NA	0.5
Vinyl Chloride	ND	ND<10	2.3	ND<50	NA	0.5
Surrogate Recoveries (%)						
%SS1:	95	91	93	101		
%SS2:	101	---#	102	98		
%SS3:	81	106	99	99		
Comments	b6,b1	b1	b1	b1		

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment
b6) lighter than water immiscible sheen/product is present

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

Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/20/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/28/11-05/02/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-05/02/11

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1104771

					Reporting Limit for DF =1	
Lab ID	1104771-005C					
Client ID	SB-31-22-W					
Matrix	W				S	W
DF	1					
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND				NA	0.5
Bromoform	ND				NA	0.5
Bromomethane	ND				NA	0.5
Carbon Tetrachloride	ND				NA	0.5
Chlorobenzene	ND				NA	0.5
Chloroethane	ND				NA	0.5
Chloroform	ND				NA	0.5
Chloromethane	ND				NA	0.5
Dibromochloromethane	ND				NA	0.5
1,2-Dibromoethane (EDB)	ND				NA	0.5
1,2-Dichlorobenzene	ND				NA	0.5
1,3-Dichlorobenzene	ND				NA	0.5
1,4-Dichlorobenzene	ND				NA	0.5
Dichlorodifluoromethane	ND				NA	0.5
1,1-Dichloroethane	ND				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND				NA	0.5
1,1-Dichloroethene	ND				NA	0.5
cis-1,2-Dichloroethene	ND				NA	0.5
trans-1,2-Dichloroethene	ND				NA	0.5
1,2-Dichloropropane	ND				NA	0.5
cis-1,3-Dichloropropene	ND				NA	0.5
trans-1,3-Dichloropropene	ND				NA	0.5
Freon 113	ND				NA	10
Methylene chloride	ND				NA	0.5
1,1,1,2-Tetrachloroethane	ND				NA	0.5
1,1,2,2-Tetrachloroethane	ND				NA	0.5
Tetrachloroethene	ND				NA	0.5
1,1,1-Trichloroethane	ND				NA	0.5
1,1,2-Trichloroethane	ND				NA	0.5
Trichloroethene	ND				NA	0.5
Trichlorofluoromethane	ND				NA	0.5
Vinyl Chloride	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1:	105					
%SS2:	98					
%SS3:	103					
Comments	b6,b1					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment
b6) lighter than water immiscible sheen/product is present

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/20/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/28/11-04/30/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-04/30/11

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1104771

Lab ID	1104771-001A	1104771-002A	1104771-003A	1104771-004A	Reporting Limit for DF =1	
Client ID	SB-31-8-W	SB-30-32-W	SB-30-4.5-W	SB-30-13-W		
Matrix	W	W	W	W		
DF	10	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	5000	ND	ND	ND	NA	50
TPH(ss)	7100	ND	ND	ND	NA	50
MTBE	ND<50	ND	ND	ND	NA	5.0
Benzene	ND<5.0	ND	ND	ND	NA	0.5
Toluene	ND<5.0	ND	ND	ND	NA	0.5
Ethylbenzene	ND<5.0	ND	ND	ND	NA	0.5
Xylenes	ND<5.0	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	99	90	93	104		
Comments	d5,b6,b1	b1	b1	b1		

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
b6) lighter than water immiscible sheen/product is present
d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/20/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/28/11-04/30/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-04/30/11

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1104771

					Reporting Limit for DF =1	
Lab ID	1104771-005A					
Client ID	SB-31-22-W					
Matrix	W					
DF	10				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	4400				NA	50
TPH(ss)	6100				NA	50
MTBE	ND<50				NA	5.0
Benzene	ND<5.0				NA	0.5
Toluene	ND<5.0				NA	0.5
Ethylbenzene	ND<5.0				NA	0.5
Xylenes	8.6				NA	0.5
Surrogate Recoveries (%)						
%SS:	88					
Comments	d5,b6,b1					

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
b6) lighter than water immiscible sheen/product is present
d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/20/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/29/11-05/03/11

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 1104771

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1104771-001B	SB-31-8-W	W	31,000	3100	10	113	e11,b6,b1
1104771-002B	SB-30-32-W	W	ND	ND	1	96	b1
1104771-003B	SB-30-4.5-W	W	74	680	1	95	e7,e2,b1
1104771-004B	SB-30-13-W	W	ND	ND	1	94	b1
1104771-005B	SB-31-22-W	W	26,000	ND<1300	5	117	e11,b6,b1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
b6) lighter than water immiscible sheen/product is present
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?)

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57943 WorkOrder 1104771

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1104760-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	102	103	0.956	105	99.7	5.19	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	104	100	3.64	90.6	88.9	1.92	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	103	102	0.958	96.9	92.9	4.17	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	99.7	99.7	0	105	97	7.54	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	89.7	90.7	1.12	94.4	88	7.06	70 - 130	30	70 - 130	30
%SS1:	95	25	96	95	2.04	92	92	0	70 - 130	30	70 - 130	30
%SS2:	98	25	100	99	0.599	106	106	0	70 - 130	30	70 - 130	30
%SS3:	78	2.5	95	94	1.15	98	99	1.20	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57943 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104771-001C	04/20/11 2:00 PM	04/28/11	04/28/11 5:18 PM	1104771-002C	04/20/11 2:20 PM	04/29/11	04/29/11 5:07 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644 QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57970 WorkOrder 1104771

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1104779-003B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	106	105	0.951	86.2	85.7	0.600	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	102	103	1.56	87.6	86.5	1.30	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	106	105	0.324	87	85.9	1.32	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	105	103	1.92	92.4	90.4	2.21	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	94.3	93.7	0.628	84.7	83.2	1.79	70 - 130	30	70 - 130	30
%SS1:	100	25	94	95	1.47	88	87	1.40	70 - 130	30	70 - 130	30
%SS2:	97	25	98	98	0	93	93	0	70 - 130	30	70 - 130	30
%SS3:	95	2.5	92	93	1.21	94	93	0.969	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57970 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104771-003C	04/20/11 3:50 PM	04/29/11	04/29/11 7:30 PM	1104771-004C	04/20/11 4:50 PM	05/02/11	05/02/11 3:24 PM
1104771-005C	04/19/11 4:00 PM	05/02/11	05/02/11 2:44 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57944 WorkOrder 1104771

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1104763-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	96.7	98.4	1.74	101	100	1.51	70 - 130	20	70 - 130	20
MTBE	ND	10	114	119	4.26	119	122	2.38	70 - 130	20	70 - 130	20
Benzene	ND	10	103	105	1.99	103	107	3.37	70 - 130	20	70 - 130	20
Toluene	ND	10	102	104	2.43	102	105	2.85	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	99.8	102	2.61	101	103	2.03	70 - 130	20	70 - 130	20
Xylenes	ND	30	103	105	2.49	104	106	2.53	70 - 130	20	70 - 130	20
%SS:	100	10	101	98	2.65	98	97	0.659	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57944 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104771-001A	04/20/11 2:00 PM	04/30/11	04/30/11 3:24 AM	1104771-002A	04/20/11 2:20 PM	04/29/11	04/29/11 5:47 AM
1104771-003A	04/20/11 3:50 PM	04/30/11	04/30/11 2:54 AM	1104771-004A	04/20/11 4:50 PM	04/30/11	04/30/11 4:23 AM
1104771-005A	04/19/11 4:00 PM	04/28/11	04/28/11 8:53 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

DHS ELAP Certification 1644 QA/QC Officer

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"When Quality Counts"
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57969 WorkOrder 1104771

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	103	102	0.253	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	94	93	0.753	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57969 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104771-001B	04/20/11 2:00 PM	04/27/11	04/30/11 6:54 PM	1104771-002B	04/20/11 2:20 PM	04/27/11	04/29/11 6:25 AM
1104771-003B	04/20/11 3:50 PM	04/27/11	04/29/11 5:19 AM	1104771-004B	04/20/11 4:50 PM	04/27/11	05/02/11 7:53 PM
1104771-005B	04/19/11 4:00 PM	04/27/11	05/03/11 8:20 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644 QA/QC Officer

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
5900 Hollis St, Suite A		Date Received: 04/27/11
	Client Contact: Robert Foss	Date Reported: 05/05/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 05/05/11

WorkOrder: 1104794

May 05, 2011

Dear Robert:

Enclosed within are:

1) The results of the **13** analyzed samples from your project: **#521000; Nady,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

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

1104794

CHAIN OF CUSTODY RECORD

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

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

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

Report To: Robert Foss	Bill To: Robert Foss
Company: CRA	
5900 Hollis, Suite A	Chee@craworld.com
Emeryville, CA	E-Mail: bfoss@craworld.com
Tele: (510) 420-3348	Fax: (510) 420-9170
Project #: 521000	Project Name: Nady
Project Location: 1137 65th Street, Oakland, CA	
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
SB-29C-5		4/21/11	10:30	1	ACETATE		X				X			
SB-29C-8		4/21/11	10:35	1			X				X			
SB-29C-12		4/21/11	10:35	1			X				X			
SB-29C-16		4/21/11	10:40	1			X				X			
SB-29C-20		4/21/11	10:45	1			X				X			
SB-29C-24		4/21/11	10:45	1			X				X			
SB-29C-28		4/21/11	10:50	1			X				X			
SB-29C-32		4/21/11	10:55	1			X				X			
SB-29C-36		4/21/11	11:00	1			X				X			
SB-29C-32-W		4/21/11	11:30	7	VOA AMBER	X					X	X		
SB-29A-6-W		4/21/11	2:00	7	VOA AMBER	X					X	X		

Analysis Request	Other	Comments
BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE; TPH as Diesel (8015) w/ Silica gel; Total Petroleum Oil & Grease (1664 / 5520 E/B&F); Total Petroleum Hydrocarbons (418.1); EPA 502.2 / 601 / 8010 / 8021 (HVOCs); MTBE / BTEX ONLY (EPA 602 / 8021); EPA 505/ 608 / 8081 (Cl Pesticides); EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners; EPA 507 / 8141 (NP Pesticides); EPA 515 / 8151 (Acidic Cl Herbicides); EPA 524.2 / 624 / 8260 (VOCs); EPA 525.2 / 625 / 8270 (SVOCs); EPA 8270 SIM / 8310 (PAHs / PNAs); CAM 17 Metals (200.7 / 200.8 / 6010 / 6020); LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020); Lead (200.7 / 200.8 / 6010 / 6020)	TPH mo w/ Silica gel (8015); TPH ss (8015); HVOCs 8260 List (8260)	
X X	X X X	
X X	X X X	
X X	X X X	
X X	X X X	
X X	X X X	
X X	X X X	

Relinquished By: — Date: 4/21/11 — Time: 5:00pm — Received By:

Relinquished By: — Date: 4/22/11 — Time: 1430 — Received By:

Relinquished By: — Date: 4/22/11 — Time: 1630 — Received By: 3rd cut

ICE/t° 3.2 COMMENTS:

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

McCAMPBELL ANALYTICAL, INC.

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

CHAIN OF CUSTODY RECORD

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

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

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

Report To: Robert Foss Bill To: Robert Foss
Company: CRA
5900 Hollis, Suite A Chee@craworld.com
Emeryville, CA E-Mail: bfoss@craworld.com
Tele: (510) 420-3348 Fax: (510) 420-9170
Project #: 521000 Project Name: Nady
Project Location: 1137 65th Street, Oakland, CA
Sampler Signature: [signature]

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) w/ Silica Gel	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: TPH-Mo w/ silica gel (8015)	Other: TPH-SS (8015m)	Other: HVOC 8010 List by 8260	Comments
SB-30C-4		4/20/11	10:50	1	ACETATE		X				X																							
SB-30C-10		4/20/11	11:40	1			X				X																							
SB-30C-12		4/20/11	11:43	1			X				X				X	X															X	X	X	
SB-30C-16		4/20/11	11:46	1			X				X																							
SB-30C-20		4/20/11	11:54	1			X				X				X	X															X	X	X	
SB-30C-24		4/20/11	12:10	1			X				X																							
SB-30C-28		4/20/11	12:20	1			X				X																							
SB-30C-32		4/20/11	12:25	1			X				X				X	X															X	X	X	
SB-30C-36		4/20/11	13:50	1			X				X																							

Relinquished By:	Date:	Time:	Received By:
[signature]	4/21/11	PM	[signature]
[signature]	4/21/11	1305	
[signature]	4/21/11	1650	[signature]

ICE/t° 3.2
GOOD CONDITION____
HEAD SPACE ABSENT____
DECHLORINATED IN LAB____
APPROPRIATE CONTAINERS____
PRESERVED IN LAB____

PRESERVATION VOAS O&G METALS pH<2 OTHER

COMMENTS:

McCAMPBELL ANALYTICAL, INC.

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

CHAIN OF CUSTODY RECORD

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

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

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

Report To: Robert Foss	Bill To: Robert Foss
Company: CRA	
5900 Hollis, Suite A	Chee@craworld.com
Emeryville, CA	E-Mail: bfoss@craworld.com
Tele: (510) 420-3348	Fax: (510) 420-9170
Project #: 521000	Project Name: Nady
Project Location: 1137 65th Street, Oakland, CA	
Sampler Signature: Erica Allen	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) w/ Silica gel	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: TPH-Mo w/Silica gel (8015m)	Other: TPH-SS (8015m)	Other: HVOC 8010 List by 8260	Comments
SB-31B-4		4/19/11	14:38	1			X				X																								
SB-31B-8		4/19/11	14:45	1			X				X				X	X																X	X	X	
SB-31B-12		4/19/11	14:50	1			X				X				X	X																X	X	X	
SB-31B-16		4/19/11	14:55	1			X				X				X	X																X	X	X	
SB-31B-20		4/19/11	15:05	1			X				X																								
SB-31B-24		4/19/11	15:18	1			X				X				X	X																X	X	X	
SB-31B-25.5		4/19/11	15:50	1			X				X																								
SB-31A-4 SB-31A-4		4/20/11	09:18	1			X				X																								
SB-31A-8 SB-31A-8		4/20/11	09:28	1			X				X																								
SB-31A-12 SB-31A-12		4/20/11	09:30	1			X				X																								

Acetate / SS

Hold

Relinquished By:	Date:	Time:	Received By:
	4/21/11	1:50 PM	
	4/21/11	1315	
	4/22/11	1630	

ICE/t° 3.2

COMMENTS:

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1104794 **ClientCode: CETE**

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

Report to:
Robert Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3369 FAX (510) 420-9170

Email: bfoss@craworld.com; chee@craworld.co
cc:
PO:
ProjectNo: #521000; Nady

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **04/27/2011**
Date Printed: **05/05/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1104794-002	SB-29-8	Soil	4/21/2011 10:35	☐	A		A		A	A						
1104794-004	SB-29-16	Soil	4/21/2011 10:40	☐	A		A			A						
1104794-006	SB-29-24	Soil	4/21/2011 10:45	☐	A		A			A						
1104794-008	SB-29-32	Soil	4/21/2011 10:55	☐	A		A			A						
1104794-010	SB-29-32-W	Water	4/21/2011 11:30	☐		B		A			C					
1104794-011	SB-29-6-W	Water	4/21/2011 2:00	☐		B		A			C					
1104794-014	SB-30-12	Soil	4/20/2011 11:43	☐	A		A			A						
1104794-016	SB-30-20	Soil	4/20/2011 11:54	☐	A		A			A						
1104794-019	SB-30-32	Soil	4/20/2011 12:25	☐	A		A			A						
1104794-022	SB-31-8	Soil	4/19/2011 14:45	☐	A		A			A						
1104794-023	SB-31-12	Soil	4/19/2011 14:50	☐	A		A			A						
1104794-024	SB-31-16	Soil	4/19/2011 14:55	☐	A		A			A						
1104794-026	SB-31-24	Soil	4/19/2011 15:18	☐	A		A			A						

Test Legend:

1	8010BMS_S	2	8010BMS_W	3	G-MBTEX_S	4	G-MBTEX_W	5	PREDF REPORT
6	TPH(DMO)WSG_S	7	TPH(DMO)WSG_W	8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates** Date and Time Received: **4/27/2011 8:27:55 PM**

Project Name: **#521000; Nady** Checklist completed and reviewed by: Zoraida Cortez

WorkOrder N°: **1104794** Matrix Soil/Water Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/29/11-05/03/11

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1104794

Lab ID	1104794-002A	1104794-004A	1104794-006A	1104794-008A	Reporting Limit for DF =1	
Client ID	SB-29-8	SB-29-16	SB-29-24	SB-29-32		
Matrix	S	S	S	S	S	W
DF	1	1	1	1		
Compound	**Concentration**				mg/kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.005	NA
Bromoform	ND	ND	ND	ND	0.005	NA
Bromomethane	ND	ND	ND	ND	0.005	NA
Carbon Tetrachloride	ND	ND	ND	ND	0.005	NA
Chlorobenzene	ND	ND	ND	ND	0.005	NA
Chloroethane	ND	ND	ND	ND	0.005	NA
Chloroform	ND	ND	ND	ND	0.005	NA
Chloromethane	ND	ND	ND	ND	0.005	NA
Dibromochloromethane	ND	ND	ND	ND	0.005	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	0.005	NA
1,3-Dichlorobenzene	ND	ND	ND	ND	0.005	NA
1,4-Dichlorobenzene	ND	ND	ND	ND	0.005	NA
Dichlorodifluoromethane	ND	ND	ND	ND	0.005	NA
1,1-Dichloroethane	ND	ND	ND	ND	0.005	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
1,1-Dichloroethene	ND	ND	ND	ND	0.005	NA
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.005	NA
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.005	NA
1,2-Dichloropropane	ND	ND	ND	ND	0.005	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.005	NA
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.005	NA
Freon 113	ND	ND	ND	ND	0.1	NA
Methylene chloride	ND	ND	ND	ND	0.005	NA
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.005	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.005	NA
Tetrachloroethene	ND	ND	ND	ND	0.005	NA
1,1,1-Trichloroethane	ND	ND	ND	ND	0.005	NA
1,1,2-Trichloroethane	ND	ND	ND	ND	0.005	NA
Trichloroethene	0.0084	0.061	0.0074	0.012	0.005	NA
Trichlorofluoromethane	ND	ND	ND	ND	0.005	NA
Vinyl Chloride	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	97	94	93	95		
%SS2:	103	102	101	98		
%SS3:	101	92	89	87		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

c1) estimated value due to high surrogate recovery, caused by matrix interference.

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/29/11-05/03/11

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1104794

Lab ID	1104794-014A	1104794-016A	1104794-019A	1104794-022A	Reporting Limit for DF =1	
Client ID	SB-30-12	SB-30-20	SB-30-32	SB-31-8		
Matrix	S	S	S	S	S	W
DF	1	1	1	1		
Compound	**Concentration**				mg/kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.005	NA
Bromoform	ND	ND	ND	ND	0.005	NA
Bromomethane	ND	ND	ND	ND	0.005	NA
Carbon Tetrachloride	ND	ND	ND	ND	0.005	NA
Chlorobenzene	ND	ND	ND	ND	0.005	NA
Chloroethane	ND	ND	ND	ND	0.005	NA
Chloroform	ND	ND	ND	ND	0.005	NA
Chloromethane	ND	ND	ND	ND	0.005	NA
Dibromochloromethane	ND	ND	ND	ND	0.005	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	0.005	NA
1,3-Dichlorobenzene	ND	ND	ND	ND	0.005	NA
1,4-Dichlorobenzene	ND	ND	ND	ND	0.005	NA
Dichlorodifluoromethane	ND	ND	ND	ND	0.005	NA
1,1-Dichloroethane	ND	ND	ND	ND	0.005	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
1,1-Dichloroethene	ND	ND	ND	ND	0.005	NA
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.005	NA
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.005	NA
1,2-Dichloropropane	ND	ND	ND	ND	0.005	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.005	NA
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.005	NA
Freon 113	ND	ND	ND	ND	0.1	NA
Methylene chloride	ND	ND	ND	ND	0.005	NA
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.005	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.005	NA
Tetrachloroethene	ND	ND	ND	ND	0.005	NA
1,1,1-Trichloroethane	ND	ND	ND	ND	0.005	NA
1,1,2-Trichloroethane	ND	ND	ND	ND	0.005	NA
Trichloroethene	0.0075	0.0062	0.036	ND	0.005	NA
Trichlorofluoromethane	ND	ND	ND	ND	0.005	NA
Vinyl Chloride	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	94	94	93	94		
%SS2:	102	103	101	101		
%SS3:	88	95	91	102		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

c1) estimated value due to high surrogate recovery, caused by matrix interference.

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/29/11-05/03/11

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1104794

Lab ID	1104794-023A	1104794-024A	1104794-026A		Reporting Limit for DF =1	
Client ID	SB-31-12	SB-31-16	SB-31-24			
Matrix	S	S	S		S	W
DF	1	1	1			
Compound	**Concentration**				mg/kg	µg/L
Bromodichloromethane	ND	ND	ND		0.005	NA
Bromoform	ND	ND	ND		0.005	NA
Bromomethane	ND	ND	ND		0.005	NA
Carbon Tetrachloride	ND	ND	ND		0.005	NA
Chlorobenzene	ND	ND	ND		0.005	NA
Chloroethane	ND	ND	ND		0.005	NA
Chloroform	ND	ND	ND		0.005	NA
Chloromethane	ND	ND	ND		0.005	NA
Dibromochloromethane	ND	ND	ND		0.005	NA
1,2-Dibromoethane (EDB)	ND	ND	ND		0.004	NA
1,2-Dichlorobenzene	ND	ND	ND		0.005	NA
1,3-Dichlorobenzene	ND	ND	ND		0.005	NA
1,4-Dichlorobenzene	ND	ND	ND		0.005	NA
Dichlorodifluoromethane	ND	ND	ND		0.005	NA
1,1-Dichloroethane	ND	ND	ND		0.005	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND		0.004	NA
1,1-Dichloroethene	ND	ND	ND		0.005	NA
cis-1,2-Dichloroethene	ND	ND	ND		0.005	NA
trans-1,2-Dichloroethene	ND	ND	ND		0.005	NA
1,2-Dichloropropane	ND	ND	ND		0.005	NA
cis-1,3-Dichloropropene	ND	ND	ND		0.005	NA
trans-1,3-Dichloropropene	ND	ND	ND		0.005	NA
Freon 113	ND	ND	ND		0.1	NA
Methylene chloride	ND	ND	ND		0.005	NA
1,1,1,2-Tetrachloroethane	ND	ND	ND		0.005	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND		0.005	NA
Tetrachloroethene	ND	ND	ND		0.005	NA
1,1,1-Trichloroethane	ND	ND	ND		0.005	NA
1,1,2-Trichloroethane	ND	ND	ND		0.005	NA
Trichloroethene	ND	ND	ND		0.005	NA
Trichlorofluoromethane	ND	ND	ND		0.005	NA
Vinyl Chloride	ND	ND	ND		0.005	NA
Surrogate Recoveries (%)						
%SS1:	90	93	90			
%SS2:	111	112	106			
%SS3:	---#	106	95			
Comments	c1					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

c1) estimated value due to high surrogate recovery, caused by matrix interference.

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 05/02/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 05/02/11

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1104794

Lab ID	1104794-010B	1104794-011B			Reporting Limit for DF =1	
Client ID	SB-29-32-W	SB-29-6-W				
Matrix	W	W			S	W
DF	1	1				
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND			NA	0.5
Bromoform	ND	ND			NA	0.5
Bromomethane	ND	ND			NA	0.5
Carbon Tetrachloride	ND	ND			NA	0.5
Chlorobenzene	ND	ND			NA	0.5
Chloroethane	ND	ND			NA	0.5
Chloroform	ND	ND			NA	0.5
Chloromethane	ND	ND			NA	0.5
Dibromochloromethane	ND	ND			NA	0.5
1,2-Dibromoethane (EDB)	ND	ND			NA	0.5
1,2-Dichlorobenzene	ND	ND			NA	0.5
1,3-Dichlorobenzene	ND	ND			NA	0.5
1,4-Dichlorobenzene	ND	ND			NA	0.5
Dichlorodifluoromethane	ND	ND			NA	0.5
1,1-Dichloroethane	ND	ND			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			NA	0.5
1,1-Dichloroethene	ND	ND			NA	0.5
cis-1,2-Dichloroethene	ND	ND			NA	0.5
trans-1,2-Dichloroethene	ND	ND			NA	0.5
1,2-Dichloropropane	ND	ND			NA	0.5
cis-1,3-Dichloropropene	ND	ND			NA	0.5
trans-1,3-Dichloropropene	ND	ND			NA	0.5
Freon 113	ND	ND			NA	10
Methylene chloride	ND	ND			NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND			NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND			NA	0.5
Tetrachloroethene	ND	ND			NA	0.5
1,1,1-Trichloroethane	ND	ND			NA	0.5
1,1,2-Trichloroethane	ND	ND			NA	0.5
Trichloroethene	27	ND			NA	0.5
Trichlorofluoromethane	ND	ND			NA	0.5
Vinyl Chloride	ND	ND			NA	0.5
Surrogate Recoveries (%)						
%SS1:	91	90				
%SS2:	96	95				
%SS3:	71	72				
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-04/29/11

Gasoline Range (C6-C12) and Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1104794

Lab ID	1104794-002A	1104794-004A	1104794-006A	1104794-008A	Reporting Limit for DF =1	
Client ID	SB-29-8	SB-29-16	SB-29-24	SB-29-32		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND	ND	1.0	NA
TPH(ss)	ND	ND	ND	ND	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	87	80	102	80		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/29/11-04/30/11

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

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1104794

Lab ID	1104794-010A	1104794-011A			Reporting Limit for DF =1	
Client ID	SB-29-32-W	SB-29-6-W				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	ND	ND			NA	50
TPH(ss)	ND	ND			NA	50
MTBE	ND	ND			NA	5.0
Benzene	ND	ND			NA	0.5
Toluene	ND	ND			NA	0.5
Ethylbenzene	ND	ND			NA	0.5
Xylenes	ND	ND			NA	0.5
Surrogate Recoveries (%)						
%SS:	102	106				
Comments		b1				

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/29/11-05/04/11

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/SW3550B/36 Analytical methods: SW8015B Work Order: 1104794

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1104794-002A	SB-29-8	S	ND	ND	1	113	
1104794-004A	SB-29-16	S	ND	ND	1	114	
1104794-006A	SB-29-24	S	ND	ND	1	103	
1104794-008A	SB-29-32	S	ND	ND	1	111	
1104794-010C	SB-29-32-W	W	ND	ND	1	97	b1
1104794-011C	SB-29-6-W	W	230	1900	2	73	e7,e2
1104794-014A	SB-30-12	S	1.2	ND	1	115	e2
1104794-016A	SB-30-20	S	1.1	ND	1	104	e2
1104794-019A	SB-30-32	S	ND	ND	1	111	
1104794-022A	SB-31-8	S	3.6	ND	1	103	e11,e2
1104794-023A	SB-31-12	S	58	ND	1	113	e11
1104794-024A	SB-31-16	S	21	ND	1	114	e11
1104794-026A	SB-31-24	S	ND	ND	1	109	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?)

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-04/29/11

Gasoline Range (C6-C12) and Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1104794

Lab ID	1104794-014A	1104794-016A	1104794-019A	1104794-022A	Reporting Limit for DF =1	
Client ID	SB-30-12	SB-30-20	SB-30-32	SB-31-8		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND	1.8	1.0	NA
TPH(ss)	ND	ND	ND	2.4	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	81	82	80	97		
Comments				d5		

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #521000; Nady	Date Sampled: 04/19/11-04/21/11
		Date Received: 04/27/11
5900 Hollis St, Suite A	Client Contact: Robert Foss	Date Extracted: 04/27/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/11-04/29/11

Gasoline Range (C6-C12) and Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1104794

Lab ID	1104794-023A	1104794-024A	1104794-026A		Reporting Limit for DF =1	
Client ID	SB-31-12	SB-31-16	SB-31-24			
Matrix	S	S	S			
DF	10	10	1		S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	73	49	ND		1.0	NA
TPH(ss)	130	85	ND		1.0	NA
MTBE	ND<0.50	ND<0.50	ND		0.05	NA
Benzene	ND<0.050	ND<0.050	ND		0.005	NA
Toluene	ND<0.050	ND<0.050	ND		0.005	NA
Ethylbenzene	ND<0.050	ND<0.050	ND		0.005	NA
Xylenes	0.12	0.074	ND		0.005	NA
Surrogate Recoveries (%)						
%SS:	87	82	95			
Comments	d7	d7				

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 57933 WorkOrder 1104794

EPA Method SW8015B **Extraction SW3550B/3630C** **Spiked Sample ID: 1104725-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	125	126	1.09	104	97.5	6.21	70 - 130	30	70 - 130	30
%SS:	101	25	117	117	0	93	86	7.53	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57933 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-002A	04/21/11 10:35 AM	04/27/11	04/30/11 2:06 AM	1104794-004A	04/21/11 10:40 AM	04/27/11	04/30/11 3:14 AM
1104794-006A	04/21/11 10:45 AM	04/27/11	05/02/11 5:37 PM	1104794-008A	04/21/11 10:55 AM	04/27/11	04/30/11 5:30 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57969 WorkOrder 1104794

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	103	102	0.253	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	94	93	0.753	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57969 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-010C	04/21/11 11:30 AM	04/27/11	04/30/11 8:40 AM	1104794-011C	04/21/11 2:00 AM	04/27/11	05/04/11 6:25 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57970 WorkOrder 1104794

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1104779-003B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	106	105	0.951	86.2	85.7	0.600	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	102	103	1.56	87.6	86.5	1.30	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	106	105	0.324	87	85.9	1.32	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	105	103	1.92	92.4	90.4	2.21	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	94.3	93.7	0.628	84.7	83.2	1.79	70 - 130	30	70 - 130	30
%SS1:	100	25	94	95	1.47	88	87	1.40	70 - 130	30	70 - 130	30
%SS2:	97	25	98	98	0	93	93	0	70 - 130	30	70 - 130	30
%SS3:	95	2.5	92	93	1.21	94	93	0.969	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57970 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-010B	04/21/11 11:30 AM	05/02/11	05/02/11 4:49 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57985 WorkOrder 1104794

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1104793-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	97.7	106	8.00	105	99.7	5.19	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	105	107	1.31	90.6	88.9	1.92	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	96.5	101	4.11	96.9	92.9	4.17	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	94.1	102	8.43	105	97	7.54	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	85.3	92.9	8.51	94.4	88	7.06	70 - 130	30	70 - 130	30
%SS1:	94	25	95	96	1.08	92	92	0	70 - 130	30	70 - 130	30
%SS2:	98	25	98	99	0.819	106	106	0	70 - 130	30	70 - 130	30
%SS3:	86	2.5	101	99	1.64	98	99	1.20	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57985 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-011B	04/21/11 2:00 AM	05/02/11	05/02/11 5:38 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 57986 WorkOrder 1104794

EPA Method SW8015B **Extraction SW3550B/3630C** **Spiked Sample ID: 1104794-026A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	106	106	0	100	103	2.69	70 - 130	30	70 - 130	30
%SS:	109	25	91	90	0.783	84	88	4.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57986 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-014A	04/20/11 11:43 AM	04/27/11	04/30/11 7:45 AM	1104794-016A	04/20/11 11:54 AM	04/27/11	05/02/11 7:53 PM
1104794-019A	04/20/11 12:25 PM	04/27/11	04/29/11 9:31 PM	1104794-022A	04/19/11 2:45 PM	04/27/11	05/02/11 11:17 PM
1104794-023A	04/19/11 2:50 PM	04/27/11	04/30/11 10:03 AM	1104794-024A	04/19/11 2:55 PM	04/27/11	05/03/11 5:15 AM
1104794-026A	04/19/11 3:18 PM	04/27/11	04/30/11 5:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 57988 WorkOrder 1104794

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1104794-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	0.050	104	99	4.77	96.2	95.7	0.540	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	97.5	94	3.66	92.4	92.9	0.552	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	111	106	4.15	102	103	0.432	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	128	124	3.45	119	116	2.82	70 - 130	30	70 - 130	30
Trichloroethene	0.0074	0.050	91.4	86.8	4.38	98.4	96.9	1.53	70 - 130	30	70 - 130	30
%SS1:	91	0.12	89	88	1.53	87	86	0.884	70 - 130	30	70 - 130	30
%SS2:	103	0.12	105	103	1.57	103	104	1.40	70 - 130	30	70 - 130	30
%SS3:	86	0.012	109	110	1.10	108	111	2.41	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57988 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-002A	04/21/11 10:35 AM	04/27/11	05/02/11 11:10 AM	1104794-004A	04/21/11 10:40 AM	04/27/11	04/29/11 12:36 PM
1104794-004A	04/21/11 10:40 AM	04/27/11	05/02/11 9:56 PM	1104794-006A	04/21/11 10:45 AM	04/27/11	04/29/11 1:57 AM
1104794-006A	04/21/11 10:45 AM	04/27/11	05/02/11 11:27 AM	1104794-008A	04/21/11 10:55 AM	04/27/11	04/29/11 8:07 PM
1104794-008A	04/21/11 10:55 AM	04/27/11	05/02/11 10:46 PM	1104794-014A	04/20/11 11:43 AM	04/27/11	04/29/11 1:19 PM
1104794-016A	04/20/11 11:54 AM	04/27/11	05/02/11 11:33 PM	1104794-019A	04/20/11 12:25 PM	04/27/11	05/02/11 12:09 PM
1104794-022A	04/19/11 2:45 PM	04/27/11	05/02/11 3:40 PM	1104794-023A	04/19/11 2:50 PM	04/27/11	05/02/11 12:52 PM
1104794-024A	04/19/11 2:55 PM	04/27/11	05/02/11 1:34 PM	1104794-026A	04/19/11 3:18 PM	04/27/11	05/03/11 11:28 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57976 WorkOrder 1104794

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1104791-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	96.1	90.1	6.44	96.3	94.4	2.02	70 - 130	20	70 - 130	20
MTBE	ND	10	116	108	7.58	114	128	11.4	70 - 130	20	70 - 130	20
Benzene	ND	10	108	102	5.52	106	108	2.18	70 - 130	20	70 - 130	20
Toluene	ND	10	92.4	87.1	5.74	93	96.1	3.30	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	94.3	90.9	3.67	94.5	97.2	2.86	70 - 130	20	70 - 130	20
Xylenes	ND	30	107	103	3.86	108	111	2.96	70 - 130	20	70 - 130	20
%SS:	118	10	97	96	0.504	97	97	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57976 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-010A	04/21/11 11:30 AM	04/30/11	04/30/11 4:53 AM	1104794-011A	04/21/11 2:00 AM	04/29/11	04/29/11 6:46 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 57979 WorkOrder 1104794

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1104788-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	120	116	3.68	117	119	1.39	70 - 130	20	70 - 130	20
MTBE	ND	0.10	98.7	105	5.86	105	99.7	5.14	70 - 130	20	70 - 130	20
Benzene	ND	0.10	95.5	89.9	5.95	92.2	92.2	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	94.6	89.8	5.21	90.6	92.3	1.77	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	97.4	90.7	7.04	91.4	93.3	2.09	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	98.8	90.2	9.11	90.6	92.8	2.40	70 - 130	20	70 - 130	20
%SS:	86	0.10	83	79	4.82	80	81	0.996	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57979 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-002A	04/21/11 10:35 AM	04/27/11	04/29/11 2:50 AM	1104794-004A	04/21/11 10:40 AM	04/27/11	04/29/11 3:20 AM
1104794-006A	04/21/11 10:45 AM	04/27/11	04/29/11 10:28 PM	1104794-008A	04/21/11 10:55 AM	04/27/11	04/29/11 4:18 AM
1104794-014A	04/20/11 11:43 AM	04/27/11	04/29/11 5:17 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644 QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 57987 WorkOrder 1104794

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1104794-026A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	98.9	97.3	1.63	93	98.1	5.38	70 - 130	20	70 - 130	20
MTBE	ND	0.10	122	119	2.18	118	126	6.61	70 - 130	20	70 - 130	20
Benzene	ND	0.10	106	104	2.30	103	104	1.30	70 - 130	20	70 - 130	20
Toluene	ND	0.10	102	99.2	2.83	98.2	100	2.00	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	103	100	2.45	98.5	101	2.68	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	106	103	2.35	101	104	3.16	70 - 130	20	70 - 130	20
%SS:	95	0.10	99	107	7.71	96	111	14.0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 57987 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104794-016A	04/20/11 11:54 AM	04/27/11	04/29/11 5:46 AM	1104794-019A	04/20/11 12:25 PM	04/27/11	04/29/11 8:13 AM
1104794-022A	04/19/11 2:45 PM	04/27/11	04/28/11 10:23 PM	1104794-023A	04/19/11 2:50 PM	04/27/11	04/29/11 7:22 PM
1104794-024A	04/19/11 2:55 PM	04/27/11	04/29/11 9:53 PM	1104794-026A	04/19/11 3:18 PM	04/27/11	04/29/11 11:33 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

Air Toxics LTD.
Laboratory Services Since 1989

5/25/2011
Mr. Bob Foss
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: NADY PROPERTY
Project #: 5210000
Workorder #: 1105153A

Dear Mr. Bob Foss

The following report includes the data for the above referenced project for sample(s) received on 5/9/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1105153A

Work Order Summary

CLIENT:	Mr. Bob Foss Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Belew Yifru Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	40-4039092
FAX:	510-420-9170	**PROJECT #**	5210000 NADY PROPERTY
DATE RECEIVED:	05/09/2011	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/24/2011		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SSVP-1	Modified TO-15	2.6 "Hg	15 psi
02A	SSVP-2	Modified TO-15	5.0 "Hg	15 psi
03A	SSVP-3	Modified TO-15	4.0 "Hg	15 psi
04A	SSVP-4	Modified TO-15	4.0 "Hg	15 psi
05A	SSVP-5	Modified TO-15	3.8 "Hg	15 psi
06A	SSVP-6	Modified TO-15	0.0 "Hg	15 psi
07A	SSVP-7	Modified TO-15	4.8 "Hg	15 psi
08A	SSVP-7 DUP	Modified TO-15	4.6 "Hg	15 psi
09A	SSVP-8	Modified TO-15	5.4 "Hg	15 psi
10A	SSVP-9	Modified TO-15	3.8 "Hg	15 psi
11A	TRIP BLANK	Modified TO-15	28.0 "Hg	15 psi
12A	Lab Blank	Modified TO-15	NA	NA
13A	CCV	Modified TO-15	NA	NA
14A	LCS	Modified TO-15	NA	NA
14AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 05/25/11

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
Conestoga-Rovers Associates (CRA)
Workorder# 1105153A

Eleven 1 Liter Summa Canister (100% Certified) samples were received on May 09, 2011. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There was a significant difference (greater than 5.0" Hg) between the measured canister receipt vacuum and that which was reported on the Chain of Custody (COC) for sample SSVP-6. A leak test indicated that the valve was functioning properly.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Dilution was performed on sample SSVP-2 due to the presence of high level target species.

The results for TPH gasoline were reported as not-detected in all of the samples except SSVP-9 since the chromatographic profiles were not consistent with a gasoline pattern.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SSVP-1

Lab ID#: 1105153A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.1	33	7.5	230

Client Sample ID: SSVP-2

Lab ID#: 1105153A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	4.8	34	26	180
Tetrachloroethene	4.8	1400	33	9700

Client Sample ID: SSVP-3

Lab ID#: 1105153A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.2	9.0	7.9	61

Client Sample ID: SSVP-4

Lab ID#: 1105153A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.2	1.2	4.4	4.7
Tetrachloroethene	1.2	2.0	7.9	13

Client Sample ID: SSVP-5

Lab ID#: 1105153A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.2	5.2	7.8	36

Client Sample ID: SSVP-6

Lab ID#: 1105153A-06A

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SSVP-6

Lab ID#: 1105153A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.9	1.9	7.1	7.3
Tetrachloroethene	1.9	2.6	13	18

Client Sample ID: SSVP-7

Lab ID#: 1105153A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.2	25	8.1	170

Client Sample ID: SSVP-7 DUP

Lab ID#: 1105153A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.2	25	8.1	170

Client Sample ID: SSVP-8

Lab ID#: 1105153A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.2	1.9	6.6	10
Tetrachloroethene	1.2	150	8.3	1000

Client Sample ID: SSVP-9

Lab ID#: 1105153A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.2	1.5	6.2	8.0
Tetrachloroethene	1.2	68	7.8	460
TPH ref. to Gasoline (MW=100)	58	580	240	2400

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: TRIP BLANK

Lab ID#: 1105153A-11A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-1

Lab ID#: 1105153A-01A

EPA METHOD TO-15 GC/MS

File Name:	**p051716**	**Date of Collection: 5/4/11 2:16:00 PM**	
Dil. Factor:	**2.21**	**Date of Analysis: 5/17/11 07:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
Trichloroethene	1.1	Not Detected	5.9	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Tetrachloroethene	1.1	33	7.5	230
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
TPH ref. to Gasoline (MW=100)	55	Not Detected	220	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-2

Lab ID#: 1105153A-02A

EPA METHOD TO-15 GC/MS

File Name:	**p051728**	**Date of Collection: 5/4/11 6:24:00 PM**	
Dil. Factor:	**9.68**	**Date of Analysis: 5/18/11 07:26 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.8	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	4.8	Not Detected	19	Not Detected
Benzene	4.8	Not Detected	15	Not Detected
Trichloroethene	4.8	34	26	180
Toluene	4.8	Not Detected	18	Not Detected
Tetrachloroethene	4.8	1400	33	9700
trans-1,2-Dichloroethene	4.8	Not Detected	19	Not Detected
Ethyl Benzene	4.8	Not Detected	21	Not Detected
m,p-Xylene	4.8	Not Detected	21	Not Detected
o-Xylene	4.8	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	240	Not Detected	990	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	87	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-3

Lab ID#: 1105153A-03A

EPA METHOD TO-15 GC/MS

File Name:	**p051717**	**Date of Collection: 5/5/11 2:01:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 5/17/11 07:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
Tetrachloroethene	1.2	9.0	7.9	61
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
TPH ref. to Gasoline (MW=100)	58	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-4

Lab ID#: 1105153A-04A

EPA METHOD TO-15 GC/MS

File Name:	**p051718**	**Date of Collection: 5/5/11 3:16:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 5/17/11 07:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
Toluene	1.2	1.2	4.4	4.7
Tetrachloroethene	1.2	2.0	7.9	13
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
TPH ref. to Gasoline (MW=100)	58	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-5

Lab ID#: 1105153A-05A

EPA METHOD TO-15 GC/MS

File Name:	**p051719**	**Date of Collection: 5/5/11 4:01:00 PM**	
Dil. Factor:	**2.31**	**Date of Analysis: 5/17/11 08:18 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Trichloroethene	1.2	Not Detected	6.2	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
Tetrachloroethene	1.2	5.2	7.8	36
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
TPH ref. to Gasoline (MW=100)	58	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-6

Lab ID#: 1105153A-06A

EPA METHOD TO-15 GC/MS

File Name:	**p051720**	**Date of Collection: 5/5/11 8:36:00 PM**	
Dil. Factor:	**3.78**	**Date of Analysis: 5/17/11 08:44 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.9	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.9	Not Detected	7.5	Not Detected
Benzene	1.9	Not Detected	6.0	Not Detected
Trichloroethene	1.9	Not Detected	10	Not Detected
Toluene	1.9	1.9	7.1	7.3
Tetrachloroethene	1.9	2.6	13	18
trans-1,2-Dichloroethene	1.9	Not Detected	7.5	Not Detected
Ethyl Benzene	1.9	Not Detected	8.2	Not Detected
m,p-Xylene	1.9	Not Detected	8.2	Not Detected
o-Xylene	1.9	Not Detected	8.2	Not Detected
TPH ref. to Gasoline (MW=100)	94	Not Detected	390	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-7

Lab ID#: 1105153A-07A

EPA METHOD TO-15 GC/MS

File Name:	**p051721**	**Date of Collection: 5/5/11 5:05:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 5/17/11 09:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
Tetrachloroethene	1.2	25	8.1	170
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
TPH ref. to Gasoline (MW=100)	60	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-7 DUP

Lab ID#: 1105153A-08A

EPA METHOD TO-15 GC/MS

File Name:	**p051722**	**Date of Collection: 5/5/11 5:05:00 PM**	
Dil. Factor:	**2.39**	**Date of Analysis: 5/17/11 09:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
Tetrachloroethene	1.2	25	8.1	170
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
TPH ref. to Gasoline (MW=100)	60	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	88	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-8

Lab ID#: 1105153A-09A

EPA METHOD TO-15 GC/MS

File Name:	**p051725**	**Date of Collection: 5/5/11 3:36:00 PM**	
Dil. Factor:	**2.46**	**Date of Analysis: 5/17/11 11:18 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
Trichloroethene	1.2	1.9	6.6	10
Toluene	1.2	Not Detected	4.6	Not Detected
Tetrachloroethene	1.2	150	8.3	1000
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Ethyl Benzene	1.2	Not Detected	5.3	Not Detected
m,p-Xylene	1.2	Not Detected	5.3	Not Detected
o-Xylene	1.2	Not Detected	5.3	Not Detected
TPH ref. to Gasoline (MW=100)	62	Not Detected	250	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-9

Lab ID#: 1105153A-10A

EPA METHOD TO-15 GC/MS

File Name:	**p051723**	**Date of Collection: 5/5/11 8:04:00 PM**	
Dil. Factor:	**2.31**	**Date of Analysis: 5/17/11 10:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Trichloroethene	1.2	1.5	6.2	8.0
Toluene	1.2	Not Detected	4.4	Not Detected
Tetrachloroethene	1.2	68	7.8	460
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
TPH ref. to Gasoline (MW=100)	58	580	240	2400

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: TRIP BLANK

Lab ID#: 1105153A-11A

EPA METHOD TO-15 GC/MS

File Name:	**p051724**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 10:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1105153A-12A

EPA METHOD TO-15 GC/MS

File Name:	**p051706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 12:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1105153A-13A

EPA METHOD TO-15 GC/MS

File Name:	**p051702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 10:16 AM**	

Compound	%Recovery
Vinyl Chloride	116
cis-1,2-Dichloroethene	108
Benzene	116
Trichloroethene	109
Toluene	113
Tetrachloroethene	107
trans-1,2-Dichloroethene	109
Ethyl Benzene	113
m,p-Xylene	113
o-Xylene	113
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1105153A-14A

EPA METHOD TO-15 GC/MS

File Name:	**p051703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 10:57 AM**	

Compound	**%Recovery**
Vinyl Chloride	126
cis-1,2-Dichloroethene	111
Benzene	112
Trichloroethene	106
Toluene	108
Tetrachloroethene	102
trans-1,2-Dichloroethene	126
Ethyl Benzene	106
m,p-Xylene	109
o-Xylene	109
TPH ref. to Gasoline (MW=100)	Not Spiked

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1105153A-14AA

EPA METHOD TO-15 GC/MS

File Name:	**p051704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 11:14 AM**	

Compound	**%Recovery**
Vinyl Chloride	115
cis-1,2-Dichloroethene	104
Benzene	108
Trichloroethene	102
Toluene	105
Tetrachloroethene	99
trans-1,2-Dichloroethene	115
Ethyl Benzene	103
m,p-Xylene	108
o-Xylene	104
TPH ref. to Gasoline (MW=100)	Not Spiked

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

5/26/2011
Mr. Bob Foss
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: NADY PROPERTY
Project #: 5210000
Workorder #: 1105153BR1

Dear Mr. Bob Foss

The following report includes the data for the above referenced project for sample(s) received on 5/9/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1105153BR1

Work Order Summary

CLIENT:	Mr. Bob Foss Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Belew Yifru Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	40-4039092
FAX:	510-420-9170	**PROJECT #**	5210000 NADY PROPERTY
DATE RECEIVED:	05/09/2011	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/23/2011		
DATE REISSUED:	05/26/2011		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SSVP-1	Modified TO-3	2.6 "Hg	15 psi
02A	SSVP-2	Modified TO-3	5.0 "Hg	15 psi
03A	SSVP-3	Modified TO-3	4.0 "Hg	15 psi
04A	SSVP-4	Modified TO-3	4.0 "Hg	15 psi
05A	SSVP-5	Modified TO-3	3.8 "Hg	15 psi
06A	SSVP-6	Modified TO-3	0.0 "Hg	15 psi
07A	SSVP-7	Modified TO-3	4.8 "Hg	15 psi
08A	SSVP-7 DUP	Modified TO-3	4.6 "Hg	15 psi
09A	SSVP-8	Modified TO-3	5.4 "Hg	15 psi
10A	SSVP-9	Modified TO-3	3.8 "Hg	15 psi
11A	TRIP BLANK	Modified TO-3	28.0 "Hg	15 psi
12A	Lab Blank	Modified TO-3	NA	NA
13A	LCS	Modified TO-3	NA	NA
13AA	LCSD	Modified TO-3	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 05/26/11

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-3
Conestoga-Rovers Associates (CRA)
Workorder# 1105153BR1

Eleven 1 Liter Summa Canister (100% Certified) samples were received on May 09, 2011. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-3***	***ATL Modifications***
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples.
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There was a significant difference (greater than 5.0" Hg) between the measured canister receipt vacuum and that which was reported on the Chain of Custody (COC) for sample SSVP-6. A leak test indicated that the valve was functioning properly.

Analytical Notes

There were no analytical discrepancies.

THE WORKORDER WAS REISSUED ON 5/26/11 TO REPORT RESULTS IN PPMV AND UG/M3.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: SSVP-1

Lab ID#: 1105153BR1-01A

No Detections Were Found.

Client Sample ID: SSVP-2

Lab ID#: 1105153BR1-02A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.060	0.66	350	3800

Client Sample ID: SSVP-3

Lab ID#: 1105153BR1-03A

No Detections Were Found.

Client Sample ID: SSVP-4

Lab ID#: 1105153BR1-04A

No Detections Were Found.

Client Sample ID: SSVP-5

Lab ID#: 1105153BR1-05A

No Detections Were Found.

Client Sample ID: SSVP-6

Lab ID#: 1105153BR1-06A

No Detections Were Found.

Client Sample ID: SSVP-7

Lab ID#: 1105153BR1-07A

No Detections Were Found.

Client Sample ID: SSVP-7 DUP

Lab ID#: 1105153BR1-08A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: SSVP-8

Lab ID#: 1105153BR1-09A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.062	0.13	360	780

Client Sample ID: SSVP-9

Lab ID#: 1105153BR1-10A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.058	0.83	340	4800

Client Sample ID: TRIP BLANK

Lab ID#: 1105153BR1-11A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-1

Lab ID#: 1105153BR1-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051705**	**Date of Collection: 5/4/11 2:16:00 PM**	
Dil. Factor:	**2.21**	**Date of Analysis: 5/17/11 09:46 AM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.055	Not Detected	320	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	113	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-2

Lab ID#: 1105153BR1-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051706**	**Date of Collection: 5/4/11 6:24:00 PM**	
Dil. Factor:	**2.42**	**Date of Analysis: 5/17/11 10:21 AM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.060	0.66	350	3800

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	100	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-3

Lab ID#: 1105153BR1-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051707**	**Date of Collection: 5/5/11 2:01:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 5/17/11 11:09 AM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.058	Not Detected	340	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-4

Lab ID#: 1105153BR1-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051708**	**Date of Collection: 5/5/11 3:16:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 5/17/11 11:42 AM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.058	Not Detected	340	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	99	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-5

Lab ID#: 1105153BR1-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051709**	**Date of Collection: 5/5/11 4:01:00 PM**	
Dil. Factor:	**2.31**	**Date of Analysis: 5/17/11 12:15 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.058	Not Detected	340	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-6

Lab ID#: 1105153BR1-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051710**	**Date of Collection: 5/5/11 8:36:00 PM**	
Dil. Factor:	**3.78**	**Date of Analysis: 5/17/11 01:00 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.094	Not Detected	550	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	126	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-7

Lab ID#: 1105153BR1-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051711**	**Date of Collection: 5/5/11 5:05:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 5/17/11 01:32 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.060	Not Detected	350	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-7 DUP

Lab ID#: 1105153BR1-08A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051712**	**Date of Collection: 5/5/11 5:05:00 PM**	
Dil. Factor:	**2.39**	**Date of Analysis: 5/17/11 02:14 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.060	Not Detected	350	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	100	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-8

Lab ID#: 1105153BR1-09A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051713**	**Date of Collection: 5/5/11 3:36:00 PM**	
Dil. Factor:	**2.46**	**Date of Analysis: 5/17/11 03:42 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.062	0.13	360	780

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-9

Lab ID#: 1105153BR1-10A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051714**	**Date of Collection: 5/5/11 8:04:00 PM**	
Dil. Factor:	**2.31**	**Date of Analysis: 5/17/11 04:30 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.058	0.83	340	4800

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	98	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: TRIP BLANK

Lab ID#: 1105153BR1-11A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051715**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 05:50 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.025	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	102	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1105153BR1-12A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/16/11 09:16 PM**	

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Stoddard Solvent	0.025	Not Detected	140	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	103	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1105153BR1-13A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/16/11 07:34 PM**	

Compound	**%Recovery**
Stoddard Solvent	124

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	99	75-150

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1105153BR1-13AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d051716**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/17/11 06:34 PM**	

Compound	**%Recovery**
Stoddard Solvent	122

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	97	75-150

Air Toxics LTD.
Laboratory Services Since 1989

5/25/2011
Mr. Bob Foss
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: NADY PROPERTY
Project #: 5210000
Workorder #: 1105153C

Dear Mr. Bob Foss

The following report includes the data for the above referenced project for sample(s) received on 5/9/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1945 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1105153C

Work Order Summary

CLIENT:	Mr. Bob Foss Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Belew Yifru Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	40-4039092
FAX:	510-420-9170	**PROJECT #**	5210000 NADY PROPERTY
DATE RECEIVED:	05/09/2011	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/23/2011		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SSVP-1	Modified ASTM D-1945	2.6 "Hg	15 psi
02A	SSVP-2	Modified ASTM D-1945	5.0 "Hg	15 psi
03A	SSVP-3	Modified ASTM D-1945	4.0 "Hg	15 psi
04A	SSVP-4	Modified ASTM D-1945	4.0 "Hg	15 psi
05A	SSVP-5	Modified ASTM D-1945	3.8 "Hg	15 psi
06A	SSVP-6	Modified ASTM D-1945	0.0 "Hg	15 psi
07A	SSVP-7	Modified ASTM D-1945	4.8 "Hg	15 psi
08A	SSVP-7 DUP	Modified ASTM D-1945	4.6 "Hg	15 psi
09A	SSVP-8	Modified ASTM D-1945	5.4 "Hg	15 psi
10A	SSVP-9	Modified ASTM D-1945	3.8 "Hg	15 psi
11A	TRIP BLANK	Modified ASTM D-1945	28.0 "Hg	15 psi
12A	Lab Blank	Modified ASTM D-1945	NA	NA
12B	Lab Blank	Modified ASTM D-1945	NA	NA
13A	LCS	Modified ASTM D-1945	NA	NA
13AA	LCSD	Modified ASTM D-1945	NA	NA

CERTIFIED BY: Linda J. Fruman DATE: 05/23/11

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1945
Conestoga-Rovers Associates (CRA)
Workorder# 1105153C

Eleven 1 Liter Summa Canister (100% Certified) samples were received on May 09, 2011. The laboratory performed analysis via modified ASTM Method D-1945 for Methane and fixed gases in natural gas using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*ASTM D-1945*	*ATL Modifications*
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 85-115%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD </= 15%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There was a significant difference (greater than 5.0" Hg) between the measured canister receipt vacuum and that which was reported on the Chain of Custody (COC) for sample SSVP-6. A leak test indicated that the valve was functioning properly.

Analytical Notes

Oxygen was detected at elevated concentration in sample SSVP-6.

The trip blank sample TRIP BLANK has reportable levels of Oxygen present. Reanalysis confirm initial result.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: SSVP-1

Lab ID#: 1105153C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	18
Carbon Dioxide	0.022	2.8
Helium	0.11	0.69

Client Sample ID: SSVP-2

Lab ID#: 1105153C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.50	15
Carbon Dioxide	0.050	6.8

Client Sample ID: SSVP-3

Lab ID#: 1105153C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	18
Carbon Dioxide	0.023	2.4

Client Sample ID: SSVP-4

Lab ID#: 1105153C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	19
Carbon Dioxide	0.023	1.6
Helium	0.12	1.3

Client Sample ID: SSVP-5

Lab ID#: 1105153C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	19

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: SSVP-5

Lab ID#: 1105153C-05A

Methane	0.00023	0.00026
Carbon Dioxide	0.023	2.2

Client Sample ID: SSVP-6

Lab ID#: 1105153C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.88	35
Carbon Dioxide	0.088	1.8

Client Sample ID: SSVP-7

Lab ID#: 1105153C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Carbon Dioxide	0.024	1.7

Client Sample ID: SSVP-7 DUP

Lab ID#: 1105153C-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Carbon Dioxide	0.024	1.7

Client Sample ID: SSVP-8

Lab ID#: 1105153C-09A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	19
Carbon Dioxide	0.025	2.4

Air Toxics LTD.
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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: SSVP-9

Lab ID#: 1105153C-10A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	9.9
Methane	0.00023	0.00035
Carbon Dioxide	0.023	9.1
Helium	0.12	0.43

Client Sample ID: TRIP BLANK

Lab ID#: 1105153C-11A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.12

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-1

Lab ID#: 1105153C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051911**	**Date of Collection: 5/4/11 2:16:00 PM**	
Dil. Factor:	**2.21**	**Date of Analysis: 5/19/11 09:55 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	18
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	2.8
Propane	0.0022	Not Detected
Isobutane	0.0022	Not Detected
Helium	0.11	0.69
Butane	0.0022	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-2

Lab ID#: 1105153C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051912**	**Date of Collection: 5/4/11 6:24:00 PM**	
Dil. Factor:	**4.96**	**Date of Analysis: 5/19/11 10:21 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.50	15
Methane	0.00050	Not Detected
Carbon Dioxide	0.050	6.8
Propane	0.0050	Not Detected
Isobutane	0.0050	Not Detected
Helium	0.25	Not Detected
Butane	0.0050	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-3

Lab ID#: 1105153C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051913**	**Date of Collection: 5/5/11 2:01:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 5/19/11 10:54 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.23	18
Methane	0.00023	Not Detected
Carbon Dioxide	0.023	2.4
Propane	0.0023	Not Detected
Isobutane	0.0023	Not Detected
Helium	0.12	Not Detected
Butane	0.0023	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-4

Lab ID#: 1105153C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051914**	**Date of Collection: 5/5/11 3:16:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 5/19/11 11:16 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	19
Methane	0.00023	Not Detected
Carbon Dioxide	0.023	1.6
Propane	0.0023	Not Detected
Isobutane	0.0023	Not Detected
Helium	0.12	1.3
Butane	0.0023	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-5

Lab ID#: 1105153C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051915**	**Date of Collection: 5/5/11 4:01:00 PM**	
Dil. Factor:	**2.31**	**Date of Analysis: 5/19/11 11:39 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	19
Methane	0.00023	0.00026
Carbon Dioxide	0.023	2.2
Propane	0.0023	Not Detected
Isobutane	0.0023	Not Detected
Helium	0.12	Not Detected
Butane	0.0023	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-6

Lab ID#: 1105153C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051916**	**Date of Collection: 5/5/11 8:36:00 PM**	
Dil. Factor:	**8.80**	**Date of Analysis: 5/19/11 12:02 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.88	35
Methane	0.00088	Not Detected
Carbon Dioxide	0.088	1.8
Propane	0.0088	Not Detected
Isobutane	0.0088	Not Detected
Helium	0.44	Not Detected
Butane	0.0088	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-7

Lab ID#: 1105153C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051917**	**Date of Collection: 5/5/11 5:05:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 5/19/11 12:31 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	20
Methane	0.00024	Not Detected
Carbon Dioxide	0.024	1.7
Propane	0.0024	Not Detected
Isobutane	0.0024	Not Detected
Helium	0.12	Not Detected
Butane	0.0024	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-7 DUP

Lab ID#: 1105153C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051919**	**Date of Collection: 5/5/11 5:05:00 PM**	
Dil. Factor:	**2.39**	**Date of Analysis: 5/19/11 01:17 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Methane	0.00024	Not Detected
Carbon Dioxide	0.024	1.7
Propane	0.0024	Not Detected
Isobutane	0.0024	Not Detected
Helium	0.12	Not Detected
Butane	0.0024	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-8

Lab ID#: 1105153C-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051920**	**Date of Collection: 5/5/11 3:36:00 PM**	
Dil. Factor:	**2.46**	**Date of Analysis: 5/19/11 01:44 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	19
Methane	0.00025	Not Detected
Carbon Dioxide	0.025	2.4
Propane	0.0025	Not Detected
Isobutane	0.0025	Not Detected
Helium	0.12	Not Detected
Butane	0.0025	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSVP-9

Lab ID#: 1105153C-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051921**	**Date of Collection: 5/5/11 8:04:00 PM**	
Dil. Factor:	**2.31**	**Date of Analysis: 5/19/11 02:09 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.23	9.9
Methane	0.00023	0.00035
Carbon Dioxide	0.023	9.1
Propane	0.0023	Not Detected
Isobutane	0.0023	Not Detected
Helium	0.12	0.43
Butane	0.0023	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: TRIP BLANK

Lab ID#: 1105153C-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051922**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/19/11 02:31 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.12
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Propane	0.0010	Not Detected
Isobutane	0.0010	Not Detected
Helium	0.050	Not Detected
Butane	0.0010	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1105153C-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/19/11 07:12 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Propane	0.0010	Not Detected
Isobutane	0.0010	Not Detected
Butane	0.0010	Not Detected

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1105153C-12B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051903b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/11 10:54 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1105153C-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/11 10:32 PM**	

Compound	%Recovery
Oxygen	99
Methane	100
Carbon Dioxide	101
Propane	96
Isobutane	102
Helium	94
Butane	102

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1105153C-13AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9051929**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/19/11 05:14 PM**	

Compound	%Recovery
Oxygen	99
Methane	100
Carbon Dioxide	101
Propane	97
Isobutane	102
Helium	94
Butane	102

Container Type: NA - Not Applicable