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TRANSMITTAL

DATE: June 14, 2010 REFERENCE NO.: 629100

PROJECT NAME: 1436 Grant Avenue, San Lorenzo

TO: Mr. Mark Detterman
Alameda County Environmental Health
Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

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1	Additional Site Investigation Report

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ADDITIONAL SITE INVESTIGATION REPORT

**FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA**

AGENCY CASE NO. RO0373

**JUNE 14, 2010
REF. NO. 629100 (6)**

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**Prepared by:
Conestoga-Rovers
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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA), on behalf of the George and Frida Jaber 1989 Family Trust, has prepared this *Additional Site Investigation Report* for the site located at 1436 Grant Avenue, in San Lorenzo, California. Presented in this report are an introduction, site description, geology and hydrogeology, previous investigations and activities, additional site investigation activities, sampling methods and results, and conclusions. The objectives of the additional investigation were to 1) advance five soil borings to complete lateral delineation of diesel and gasoline range hydrocarbons in soil to the west and southwest of the site along Grant Avenue; 2) install one monitoring well in the vicinity of boring B-1 to better assess groundwater conditions; 3) install four soil vapor probes to determine soil vapor conditions in the soil at the site; and 4) collect grab groundwater samples within the sanitary sewer trench backfill along Grant Avenue to determine if the utility trench is acting as a preferential pathway for dissolved phase hydrocarbon migration. This work was completed in accordance with the *Site Investigation, Preferential Pathway, and Work Plan Report* dated April 29, 2008; approved by the Alameda County Environmental Health (ACEH) in a letter dated March 17, 2009 (Appendix A).

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The site is located at the southwest corner of the intersection of Channel Street and Grant Avenue in San Lorenzo, California (Figures 1 and 2). The site is a former Olympic Service Station that currently operates as San Lorenzo Auto Repair. The property is currently owned by the George and Frida Jaber 1989 Family Trust. Mr. Tony Malonzo operates the auto repair shop at the site. Commercial properties are located south and southwest of the site. A school is located north of the site and the remaining properties in the vicinity of the site are residential.

On July 10, 1998, four steel, single wall underground storage tanks (USTs) were removed from the site: one 10,000-gallon gasoline UST, one 8,000-gallon gasoline UST; one 5,000-gallon diesel UST, and one 250-gallon waste-oil UST (Figure 2). Six dispensers located on two islands north of the auto repair building were also removed. Based on the ACEH October 21, 1998 letter, the fuel USTs were constructed of tar-wrapped steel and the waste-oil UST was constructed of bare steel. During removal activities, holes were observed in the waste-oil tank.

2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

Geology: The site is located in the Coast Range Geomorphic Province of California. More specifically, the site is located in the East Bay Plain, which is a northwest trending strip of land between foothills to the east and San Francisco Bay to the west. According to the geologic map by E.J. Helley and others (1979), the general site area is underlain by late Pleistocene alluvium comprised of weakly consolidated, slightly weathered, poorly sorted, irregularly interbedded clay, silt, sand, and gravel.

The soils beneath the site consist of a heterogeneous mixture of clay, silt, sand, gravel, silty sand, and sandy silt. Geologic Cross Sections are included as Figures 4 and 5. Boring logs are presented in Appendix C.

Hydrogeology: According to the Department of Water Resources, Bulletin 118 (2004), the site is located within the East Bay Plain Groundwater Sub Basin.

In the monitoring wells, groundwater depth typically ranges between 5.25 to 8.35 feet below ground surface (ft bgs), and shown in Table 2. Due to shallow silts and clays, which may be acting as confining layer, groundwater appears to be semi confined. Groundwater levels measured on February 3, 2010 indicate that groundwater beneath the site flows primarily toward the southwest at a gradient of approximately 0.004 ft/ft. Groundwater flow conditions observed during the first quarter 2010 are consistent with conditions observed during previous monitoring events. Potentiometric groundwater elevation contours are presented on Figure 10.

3.0 PREVIOUS INVESTIGATIONS

July 1998 UST Removal Activities: On July 10, 1998, Reese Construction removed four steel, single wall USTs: one 10,000-gallon gasoline UST, one 8,000-gallon gasoline UST, one 5,000-gallon diesel UST, and one 250-gallon waste-oil UST. Additionally, six dispensers and associated fuel piping were removed. The fuel UST excavation dimensions were approximately 40 ft by 30 ft and 10 to 12 ft deep, and the waste-oil tank excavation dimensions were approximately 8 ft by 6 ft and 6 ft deep. Groundwater was present in the fuel UST excavation at approximately 10 ft bgs and groundwater was not encountered in the waste-oil tank excavation. Eleven confirmation soil samples were collected from the sidewalls and bottoms of the UST and waste oil excavations; at the piping intersections; and at the dispensers. Additional details are presented in Reese Construction September 14, 1998 *Tank Closure Report*.

September 1998 Excavation Dewatering: On September 8, 1998, Foss Environmental Services (FES), pumped, transported, and disposed of groundwater contained in the fuel UST excavation. A total of approximately 5,000 gallons of groundwater was pumped out of the excavation into the vacuum truck. Additional details are presented in FES's September 21, 1998 *Report of Excavation Dewatering Activities*.

November 1998 Soil Stockpile Sampling: In November 1998, Aqua Science Engineers Inc. (ASE) sampled the UST excavation soil stockpiles to characterize them for disposal or reuse. The highest concentrations detected were 280 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as diesel (TPHd), 0.066 mg/kg xylenes, 0.012 mg/kg methyl tertiary-butyl ether (MTBE), and 110 mg/kg total lead. No total petroleum hydrocarbons as gasoline (TPHg) or benzene were detected above laboratory detection limits. The ACEHD approved the UST excavation soil stockpile to be re-used as backfill in the fuel UST excavation. The fuel UST excavation was subsequently backfilled and compacted. Additional details are presented in ASE's November 24, 1998 *Stockpiled Soil Sampling Results*.

December 1998 Waste-Oil and Dispenser Over-excavation: On December 18, 1998 ASE oversaw the over-excavation of the waste-oil UST excavation and the northern dispenser island due to the presence of elevated concentrations of petroleum hydrocarbons, oil and grease, volatile organic compounds (VOCs), and/or total lead. The waste-oil excavation bottom was approximately 12 ft bgs and the dispenser excavation was approximately 3.5 ft bgs. Excavating deeper was not feasible due to the location of the waste-oil excavation in relation to the adjacent building wall. The waste-oil UST excavation was subsequently backfilled with clean imported fill material. The 15.3 tons of soil from the waste-oil excavation stockpile were transported from the site by Lutrell Trucking to Chemical Waste Management in Kettleman City, California for disposal on September 24, 1999. ASE collected confirmation soil samples from the waste-oil (WO-OEX-12) and dispenser (D1G-OEX-3.5) excavations. Sample WO-OEX-12 contained 570 mg/kg oil and grease, 940 mg/kg TPHmo, and 250 mg/kg TPHd. No TPHg or benzene was detected above laboratory detection limits. No total petroleum hydrocarbons as motor oil (TPHmo), TPHd, TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE were detected above detection limits from sample D1G-OEX-3.5. Additional details are presented in ASE's January 7, 1999 *Report Detailing Former Waste-Oil UST Over-excavation Activities*.

September 1999 Monitoring Well Installation: On September 24, 1999, ASE installed groundwater monitoring well MW-1 down-gradient of the former USTs, well MW-2

down-gradient of the former waste-oil UST, and well MW-3 down-gradient of the former dispensers. The two-inch wells were screened from approximately 5 ft bgs to 26.5 ft bgs (Table 1). Soil samples were either collected at 10 or 10.5 ft bgs. No semi-volatile organic compounds (SVOCs) or halogenated volatile organic compounds (HVOCs) were detected above laboratory detection limits. The highest concentrations of TPHg and benzene detected were 11 mg/kg and 0.63 mg/kg in boring MW-3 at 10 ft bgs, respectively. The highest MTBE concentration was 1.7 mg/kg in boring MW-1 at 10.5 ft bgs. Concentrations of oil and grease, TPHmo, and TPHd were detected at 700 mg/kg, 2,400 mg/kg, and 1,000 mg/kg, respectively, in boring MW-2 at 10 ft bgs. Additional details are presented in ASE's November 12, 1999 *Report of Soil and Groundwater Assessment*.

April 2002 Soil and Groundwater Assessment: On April 30, 2002, ASE advanced borings BH-A, BH-B, and BH-C approximately 30 ft southwest (down-gradient) of the site. The borings were advanced to 20 ft bgs, and soil and grab groundwater samples were collected from each boring. The highest soil concentrations were 290 mg/kg TPHg, 320 mg/kg TPHd, 2.2 mg/kg benzene from boring BH-B. The highest groundwater concentrations were 2,300 micrograms per liter ($\mu\text{g/L}$) TPHg, 120 $\mu\text{g/L}$ benzene, and 2,000 $\mu\text{g/L}$ MTBE from boring BH-B. ASE recommended continuing quarterly groundwater monitoring, and to further delineate the petroleum hydrocarbon plume down-gradient. Additional details are presented in ASE's May 31, 2002 *Report of Soil and Groundwater Assessment*.

February 2008 Investigation and Preferential Pathway Study: On February 25 and 26, 2008, CRA advanced eight soil borings to collect soil and groundwater samples. The objective of this investigation was to delineate the lateral and vertical extent of petroleum hydrocarbons at the site and to identify any preferential pathways for petroleum hydrocarbon migration. The highest soil concentrations of TPHd and TPHg detected were in boring B-1 at 1,700 mg/kg TPHd and 290 mg/kg TPHg at 7 ft bgs. The highest soil concentration of benzene detected was 0.72 mg/kg at 11.5 ft bgs in boring B-8. The highest soil concentration of MTBE detected was 1.8 mg/kg at 11.5 ft bgs in boring B-4. The highest grab groundwater concentrations of TPHd and benzene were detected in a sample taken from boring B-1 at 260,000 $\mu\text{g/l}$. The highest grab groundwater concentration of TPHg and MTBE were detected in a sample taken from boring B-4 at 7,300 $\mu\text{g/l}$ and 2,700 $\mu\text{g/l}$, respectively. Additional details are presented in CRA's April 29, 2008 *Site Investigation, Preferential Pathway, and Work Plan Report*.

Quarterly Monitoring: Five consecutive quarters of groundwater monitoring and sampling were initiated in October 1999. Samples were analyzed for TPHg, BTEX, and

MTBE. Well MW-2 samples were also analyzed for oil and grease, TPHmo, SVOCs and HVOCS. Groundwater monitoring was reinstated in February 2007 and continued quarterly through the fourth quarter 2008. Per State Water Resources Control Board Resolution 2009-0042, groundwater monitoring was reduced to a semi-annual monitoring and reporting schedule. Historically depth to groundwater has ranged from 5.25 to 8.35 ft below top of casing. Groundwater analytical data is presented in Table 2.

4.0 ADDITIONAL SITE INVESTIGATION ACTIVITIES

Personal Present: The additional site investigation activities were performed by CRA's Senior Staff Geologist Bryan A. Fong, and Staff Scientist Calvin Hee; and overseen by California Professional Geologist Eric Syrstad. Vapor Tech Services (VTS) of Berkeley, California performed all drilling activities.

Permits: The Alameda County Public Works Agency issued subsurface drilling permits for soil borings, and installation of one groundwater monitoring well and four soil vapor probes. Alameda County Public Works Agency also issued a Roadway Encroachment Permit for soil borings located within the public right of way. Copies of the permits are provided in Appendix D.

Subsurface Utility Survey Method: Prior to drilling activities, CRA marked out the boring and well locations using white paint and notified Northern California Underground Service Alert (USA) to have subsurface utilities marked. Following the USA notification, CRA retained California Utility Surveys of San Ramon, California to confirm and locate any utilities that may have not been marked by USA. In addition to the utility survey, California Utility Surveys located and marked out the flow line of the sanitary sewer along Grant Avenue between Channel Street and Via Seco using a tracer wire. Prior to advancing borings with a drill rig, VTS cleared each boring location to 8 ft bgs using a hand auger or air knife.

Drilling Dates: On February 9 through February 12, 2010, VTS installed four soil vapor probes (SV-1 through SV-4); one groundwater monitoring well (MW-4); and advanced five soil borings.

Drilling Method: Prior to drilling soil borings B-9, B-10, and B-12, VTS cored approximately 9 inches of asphalt at each location. The borings were then advanced to 25 ft bgs, using a Geoprobe 7720DT track mounted drilling rig. Soil borings B-11, B-13, B-13A, B-13B, and B-13C were located within the sanitary sewer trench backfill and were advanced entirely by hand auger to a maximum depth of 12 ft bgs. Borings B-13A,

B-13B, and B-13C were advanced as step out borings due to refusal encountered during drilling. Boring logs are provided in Appendix C.

Soil Vapor Probe and Monitoring Well Installation: Groundwater monitoring well MW-4 was installed using a hand auger and air knife. VTS cleared a 10-inch diameter boring to 10 ft bgs and installed a 4-inch monitoring well to total depth. The monitoring well was constructed with schedule 40 PVC casing with a screen slot 0.010 from 5 to 10 ft bgs. The well was then completed with a filter pack of Monterey 2/12 sand from 4-10 ft bgs, a bentonite seal from 3-4 ft bgs, Portland Type I/II cement from 3 ft bgs to grade and a flush mounted 12-inch traffic rated well box. Soil vapor probes SV-1 through SV-4 were installed entirely by hand auger to a depth of 5.5 ft bgs. Each soil vapor probe was constructed with a 1-inch polyethylene vapor probe screen at 5 ft bgs, surrounded by Monterey 2/12 sand from 4.5-5.5 ft bgs, and connected to 1/4-inch Teflon tubing to grade. Above the filter pack, the well was then sealed using hydrated bentonite, set atop a 12-inch base of dry granular bentonite. Each soil vapor probe was then completed with a flush mounted 5-inch traffic rated well box. Well construction details are included on the boring logs provided in Appendix C.

Soil Sampling Method: Soil samples were collected from borings B-9 through B-12, B-13A, B-13C, and MW-4 during drilling activities. The soil borings were examined for hydrocarbon staining and screened using a photo-ionization detector (PID). PID results are included on the boring logs (Appendix C). Disturbed soil samples were collected from borings B-9, B-10, and B-12 within the first 8 ft during borehole clearance, and entirely in B-13A, B-13C, and MW-4. These soil samples were collected using a hand auger, placed in stainless steel liners, labeled, and capped with Teflon tape. Beginning at 8 ft bgs, continuous undisturbed soil samples were collected in borings B-9, B-10, and B-12. Undisturbed soil samples were collected in continuous acetate liners, cut into 6-inch lengths at the desired depth, labeled, and capped with Teflon tape. All soil samples were stored on crushed ice at or below 4 degrees Celsius, and transported under a chain-of-custody to McCampbell Analytical Inc. (McCampbell) in Pittsburg, California for analysis. McCampbell is a California certified laboratory.

Groundwater Sampling Method: Grab groundwater samples were collected from borings B-9 through B-12, and B-13C. Groundwater levels were observed between 9 and 19 ft bgs. After advancing borings B-9 through B-12, and B-13C to total depth, a 3/4-inch PVC casing with 15 ft of screen (B-9, B-10, and B-12), and 10 ft of screen (B-11 and B-13C) was lowered into the borehole. Grab groundwater samples were then collected using a new disposable bailer for each boring location. Groundwater samples were decanted into the appropriate sampling containers provided by the laboratory, labeled, stored on

crushed ice at or below 4 degrees Celsius, and transported under a chain-of-custody to McCampbell.

Vapor Sampling Method: Soil vapor probes SV-1 through SV-4 were sampled by CRA's Staff Scientist Calvin Hee, on February 25, 2010. Soil vapor sampling and leak testing were performed following the DTSC's January 28, 2003 *Advisory-Active Soil Gas Investigation* guidelines. Purging and sampling were conducted at a rate of approximately 100 milliliters per minute (mL/min). Vapor samples were collected in one liter Summa canisters after removing approximately three purge volumes from the well casing interval. Each sample was labeled, documented on a chain-of-custody, and submitted to Air Toxics, Ltd. of Folsom, California for analysis. The analytical report is provided in Appendix E.

Soil Sampling Analysis: Soil samples were analyzed for TPHd and TPHg by EPA Method SW8015B and SW8015Bm, respectively. BTEX, MTBE, tertiary-butyl alcohol (TBA), di-isopropyl ether (DIPE), tertiary-amyl-methyl ether (TAME), ethyl-tertiary-butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB), ethanol, and naphthalene were analyzed by EPA Method SW8260B. The soil analytical results are presented on Table 3 and summarized on Figure 3. The analytical report is provided in Appendix E.

Groundwater Sampling Analysis: Groundwater samples were analyzed for TPHd and TPHg by EPA Method SW8015B and SW8015Bm, respectively. BTEX, MTBE, TAME, ETBE, EDB, DIPE, TBA, ethanol, 1,2-DCA, and naphthalene were analyzed by EPA Method SW8260B. The groundwater analytical results are presented on Table 2 and summarized on Figure 3. The analytical report is provided in Appendix E.

Soil Vapor Analysis: Soil vapor samples were analyzed for TPHg, BTEX, MTBE, and Naphthalene by Modified EPA TO-15. Atmospheric gases, oxygen (O₂), carbon dioxide (CO₂), methane (CH₄), and leak detection compound helium were analyzed by Modified ASTM D-1946. The soil vapor analytical results are presented on Table 4 and summarized on Figure 11. The analytical report is provided in Appendix E.

Well Survey: On March 15, 2010, a top of casing elevation survey was conducted by Virgil Chavez Land Surveying for the newly installed monitoring well MW-4. The benchmark for this survey was a cinch nail on top of the catch basin located at the corner of Lewelling Street and Andover Street. The survey data collected include the latitude and longitude coordinates for the top north side of the well casing and is based on the

California State Coordinate System, Zone III (NAD83). The benchmark elevation is based on NGVD 29. A copy of the survey report is included in Appendix G.

Well Development: On February 16, 2010, VTS returned to the site to develop newly installed groundwater monitoring well MW-4. VTS used a check valve surge block, tremie-pipe, and tubing for surge and bail activities. Approximately 3 gallons of groundwater was purged during the surge and bail. Following the surge and bail activities, a proactive submersible pump was used to purge the well. Purging activities continued until at least 10 well casing volumes of groundwater were extracted and the turbidity of the groundwater was significantly reduced. Well development forms are provided in Appendix F.

Geotracker: All necessary data have been uploaded to the California State Water Resources Control Board's Geotracker Database by Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3890-3895 of the California Code of Regulations.

Investigation Derived Waste: Soil cuttings and decontamination water generated during drilling activities were stored in DOT approved 55-gallon steel drums, labeled, and temporarily stored on site. Soil composite samples were collected and submitted to a McCampbell for analysis. The soil drums were transported off site by American Integrated Services, Inc. to TPST Soil Recyclers of California at 12328 Hibiscus Avenue, Adelanto, California on March 29, 2010 and the decontamination water was transported to Crosby and Overton, Inc. at 1630 West 16th Street, Long Beach, California on March 31, 2010. Waste disposal manifests are included in Appendix H.

5.0 RESULTS OF ADDITIONAL SITE INVESTIGATION

This section presents the findings of well installation and site delineation activities. Following is a discussion on soil, groundwater, and soil vapor analytical results.

5.1 SOIL ANALYTICAL RESULTS

During the current investigation, CRA advanced borings B-9 through B-12, B-13, B-13A, through B-13C, and MW-4. The soil was analyzed for TPHd, TPHg, BTEX, MTBE, TBA, DIPE, TAME, ETBE, 1,2-DCA, EDB, ethanol, and naphthalene.

The highest concentrations of TPHd and TPHg were detected at 5 ft bgs in boring MW-4 at 1,800 mg/kg and 360 mg/kg, respectively. The highest benzene concentration

detected was 0.023 mg/kg at 3 ft bgs in boring B-13A. The only MTBE concentration detected was 0.20 mg/kg at 8 ft bgs in boring MW-4.

Soil analytical data is presented in Table 3. The laboratory analytical reports are included in Appendix E. Soil isoconcentration maps are presented as Figures 6 through 9. As shown in Figures 4 through 9, COCs in soil are delineated both vertically and laterally.

5.2 GRAB GROUNDWATER ANALYTICAL RESULTS

During the current investigation, CRA collected grab groundwater samples from borings B-9 through B-12, and B-13C. The grab groundwater was analyzed for TPHd, TPHg, BTEX, MTBE, TBA, DIPE, TAME, ETBE, 1,2-DCA, EDB, and ethanol.

The highest TPHd concentration was detected in the grab groundwater sample from boring B-11 at 3,700 µg/l. The highest TPHg concentration was detected in the grab groundwater sample from boring B-13C at 2,300 µg/l. The highest benzene concentration was detected in the grab groundwater sample from boring B-11 at 0.69 µg/l. The highest MTBE concentration was detected in the grab groundwater sample from boring B-9 at 160 µg/l.

Groundwater analytical results are presented in Table 2 and on Figures 3 and 10. The laboratory analytical reports are included in Appendix E.

5.3 SOIL VAPOR ANALYTICAL RESULTS

During the current investigation, CRA installed soil vapor probes SV-1 through SV-4. The soil vapor was analyzed for TPHg, BTEX, MTBE, and naphthalene.

The highest concentration of TPHg was detected at 5 ft bgs in soil vapor probe SV-3 at 52,000,000 micrograms per cubic meter (µg/m³). The highest benzene concentration detected was 160,000 µg/m³ at 5 ft bgs in soil vapor probe SV-2. The only MTBE concentration detected was 5,400 µg/m³ at 5 ft bgs in soil vapor probe SV-4.

Soil vapor analytical data is presented in Table 4 and Figure 11. The laboratory analytical reports are included in Appendix E.

6.0 PREFERENTIAL PATHWAYS

In order to better assess if the utility trench is acting as a preferential pathway for dissolved phase hydrocarbons in groundwater, soil borings were advanced within and adjacent to the sanitary sewer line located in the utility trench area, along Grant Avenue.

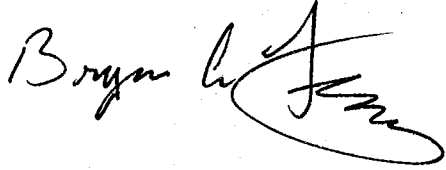
It appears that the utility trench area, which runs parallel to the groundwater flow direction, was backfilled with native soils. Geologic cross sections (Figures 4 and 5) show soil in the utility trench area is consistent with surrounding soils and no significant changes in soil lithology were identified. During drilling activities it was noted that the sanitary sewer line was below the first encountered groundwater identified in the soil borings. Detections in grab groundwater collected from soil borings B-11 and B-13C indicate that the utility trench may be acting as a preferential pathway for dissolved phase hydrocarbons in groundwater.

7.0 CONCLUSIONS

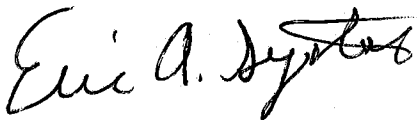
Based on the results presented in the previous sections, the following conclusions can be made:

- The sanitary sewer line in the utility trench area, running parallel to the groundwater flow direction in Grant Avenue, may possibly be acting as a preferential pathway for dissolved phase hydrocarbons in groundwater.
- The soil vapor samples collected from soil vapor probes SV-1 through SV-4 exceeded the applicable Environmental Screening Level (ESL) for TPHg and Benzene in shallow soil gas.
- The lateral and vertical extent of petroleum hydrocarbons in soil above the applicable ESL is limited to three areas on site (near the former dispenser area, the former UST area, and southwest of the garage), and is adequately defined both on and offsite.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



Bryan A. Fong
Senior Staff Geologist



Eric A. Syrstad, P.G.
Project Geologist

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FIGURES



HA:ENCINAL PROPERTY-SAN LORENZO\FIGURES\VICINITY-MAP.A1

FIGURE 1

Olympic Service Station
 1436 Grant Avenue
 San Lorenzo, California



**CONESTOGA-ROVERS
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Vicinity Map

EXPLANATION			
MW-4 ●	Monitoring well location	—	Communications line
SV-3 ○	Soil vapor well location	OHE - - -	Overhead electrical line
B-1 ■	Soil boring location	- - -	Electrical line
D-2G-1.5 ■	Confirmation soil sample location (July 1998)	—	Water line
D1G-OEX-3.5 ■	Confirmation soil sample location (December 1998)	- - -	Sanitary sewer line
		- - -	Gas line
		- - -	Storm drain line
		→	Flow direction

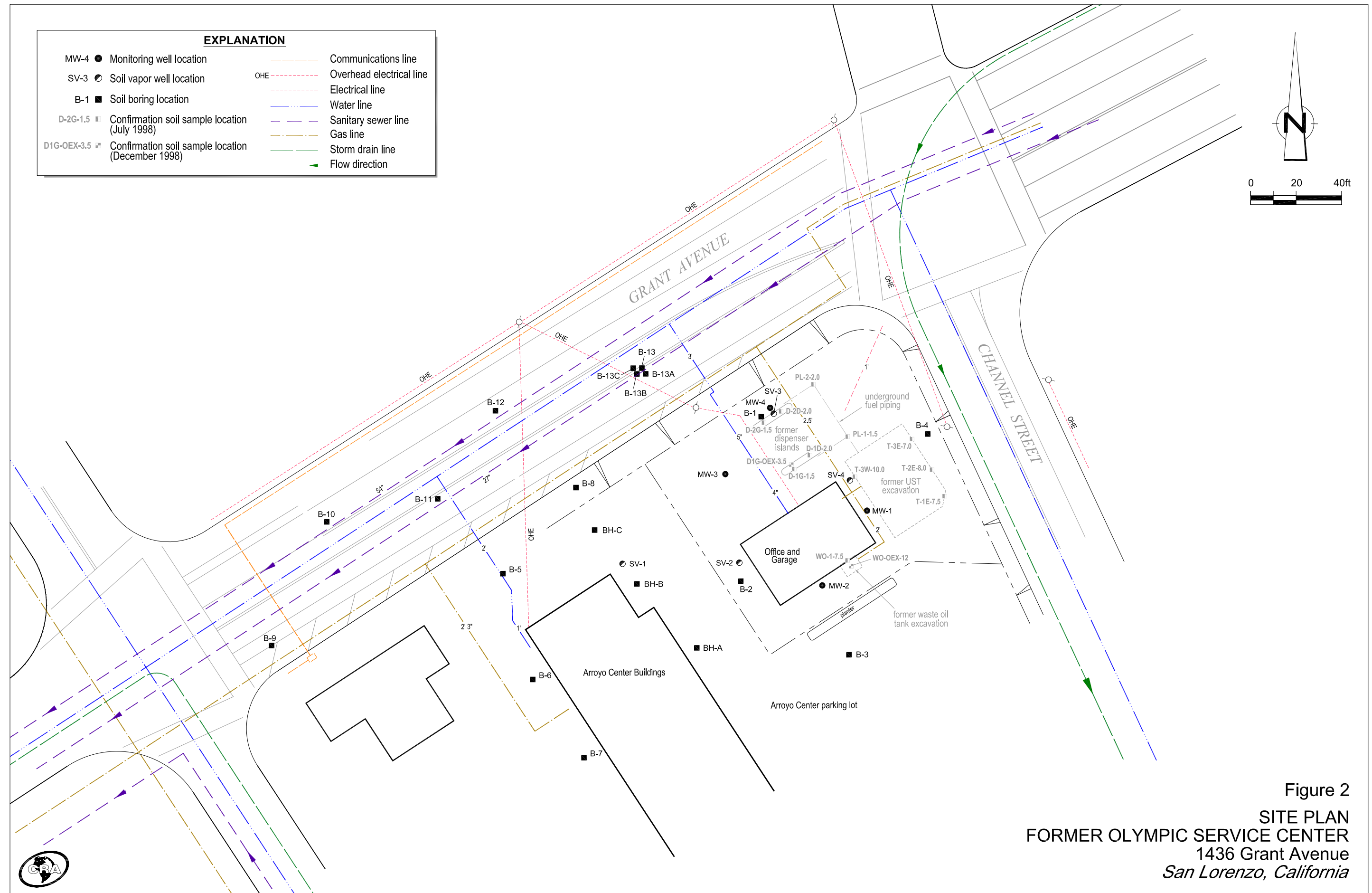
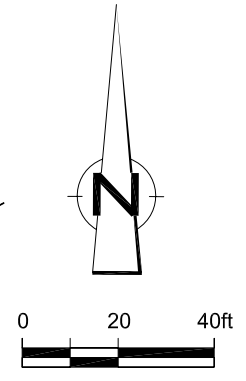


Figure 2
 SITE PLAN
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California



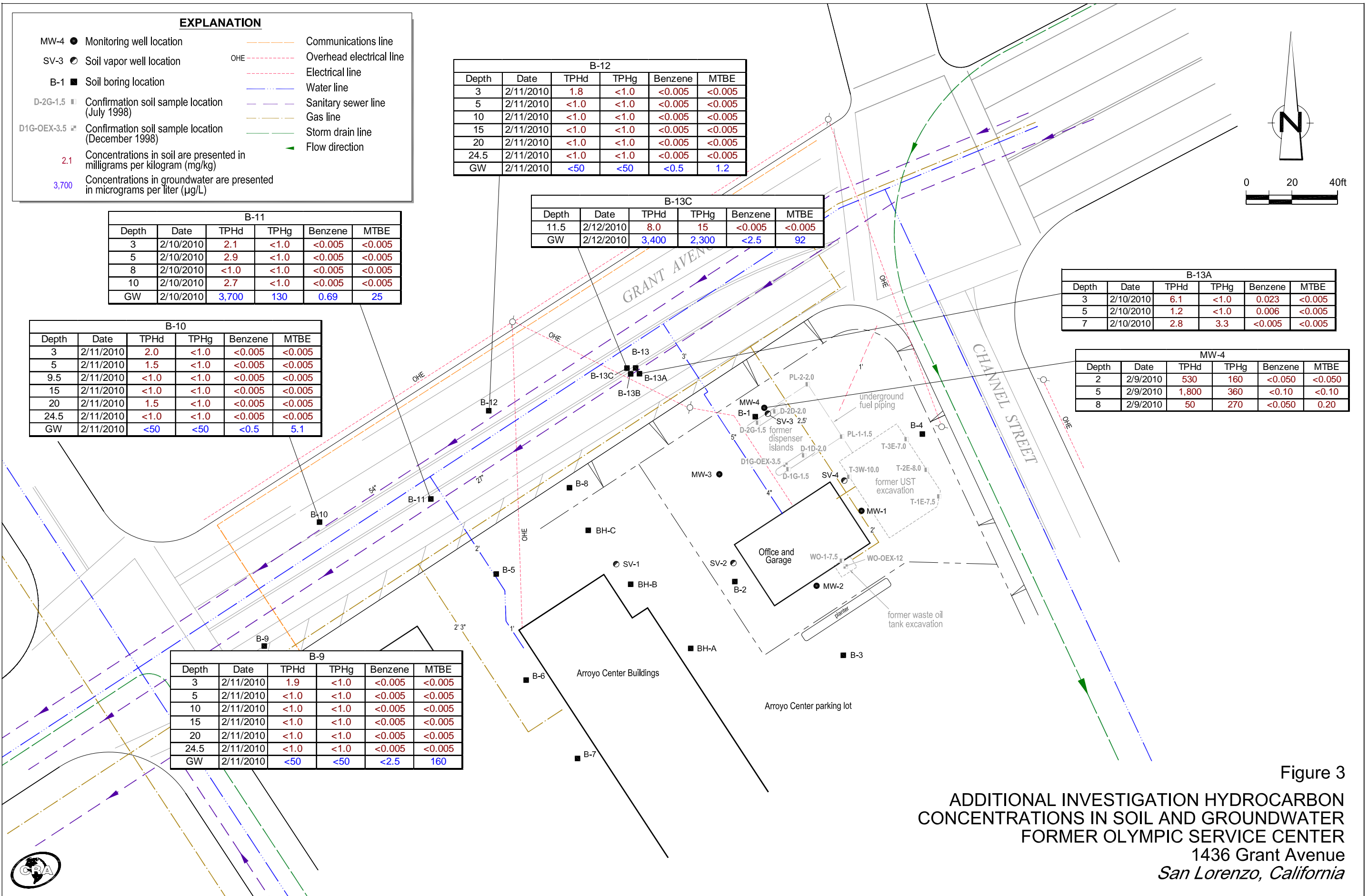
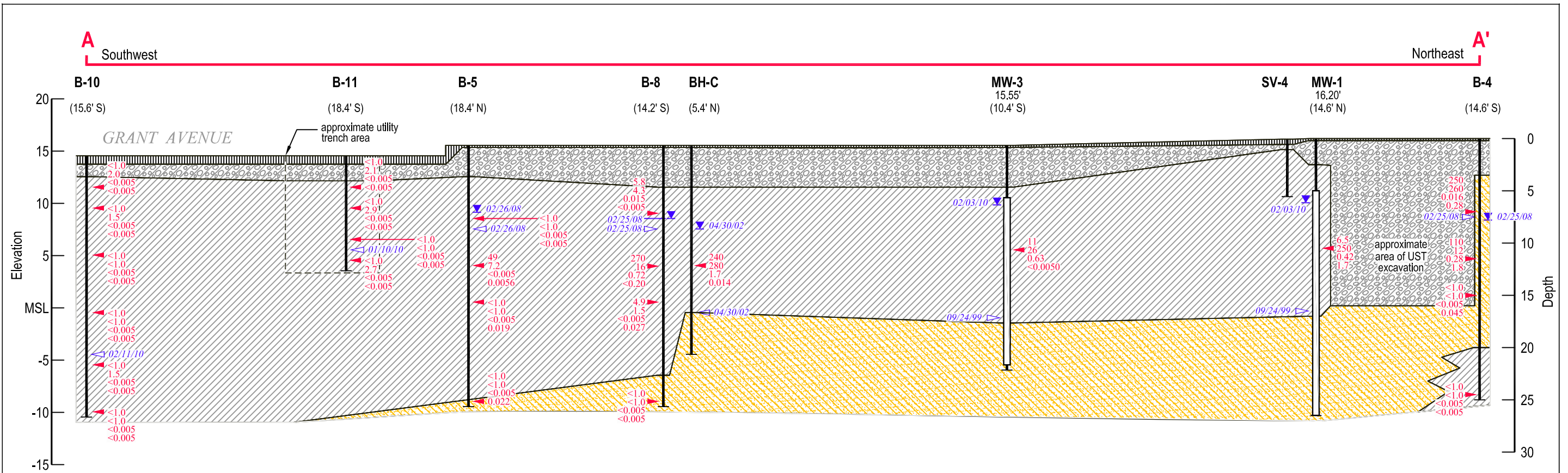


Figure 3
 ADDITIONAL INVESTIGATION HYDROCARBON
 CONCENTRATIONS IN SOIL AND GROUNDWATER
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California





EXPLANATION

ASPH - Asphalt

ML - Inorganic silts and very fine sand, silty sands of slight plasticity

CL - Inorganic clays of low plasticity, gravelly, sandy, or silty clays, lean clays

CH - Inorganic clays of high plasticity, fat clays

SP - Poorly graded sands, or gravelly sand, < 5% fines

SM - Silty sands, >12% fines

SC - Clayey sands, >12% fines

= Fill

Well ID — Well Designation
 Elev. — Top of Casing Elevation (offset)

Groundwater Monitoring Well

Well Screen Interval

Bottom of boring

Depth of Groundwater (first encountered) and date (e.g., 04/30/02)

Depth of Groundwater and date (e.g., 02/25/08)

Approximate sample location

Hydrocarbon concentrations in soil, in milligrams per kilogram (mg/kg): TPHg, TPHd, Benzene, MTBE

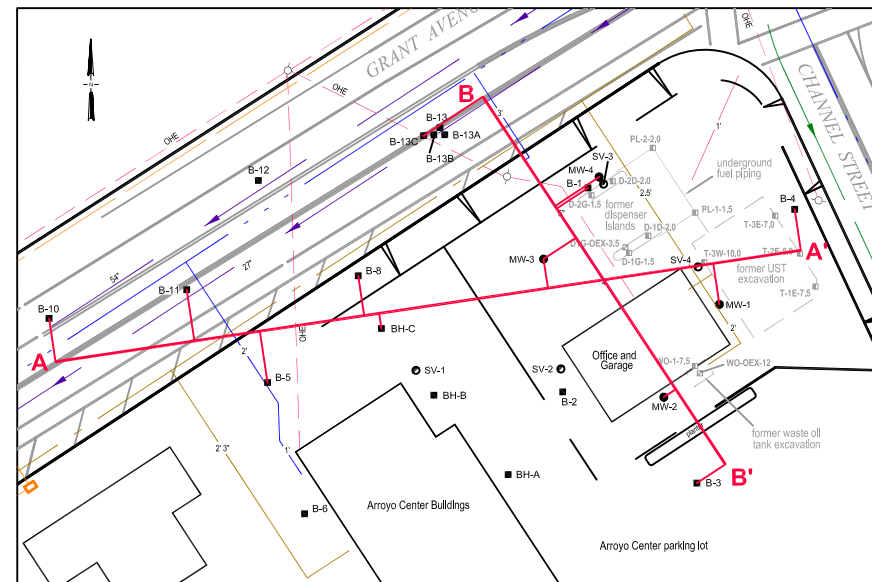
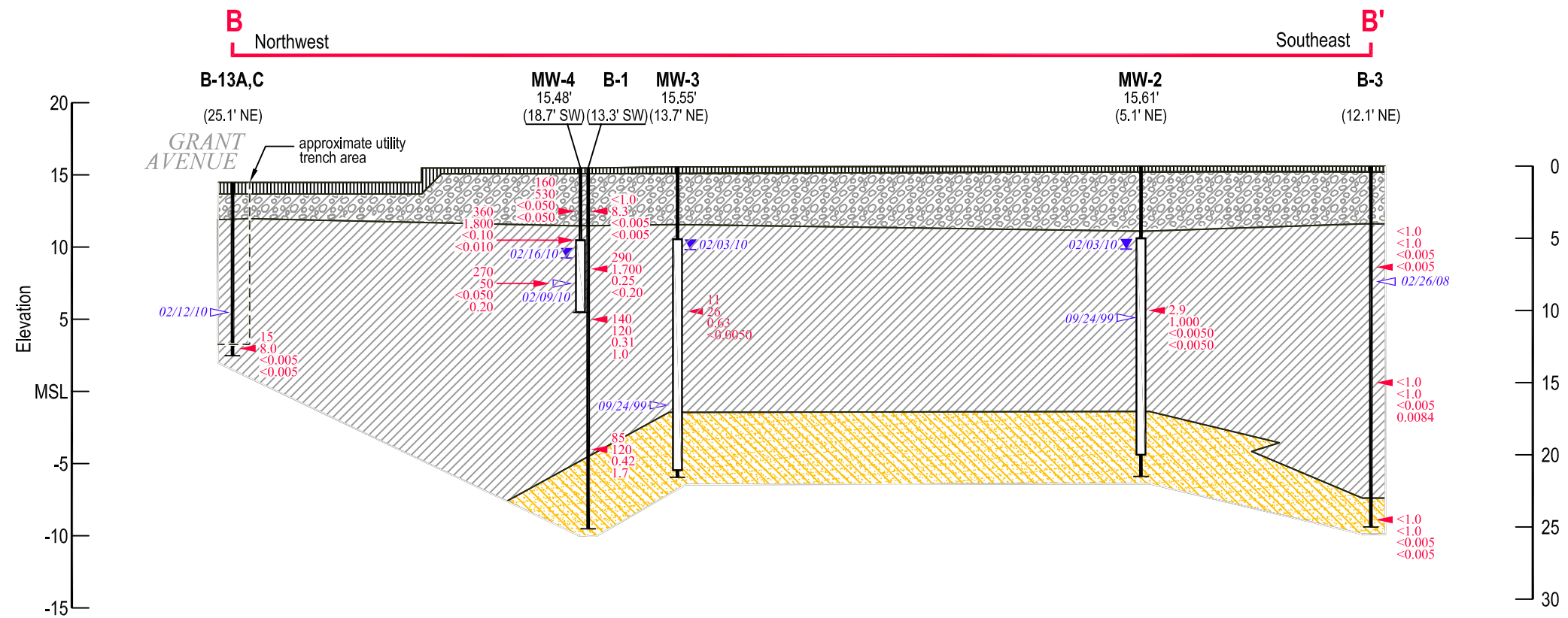


Figure 4
 GEOLOGIC CROSS SECTION A-A'
 FORMER OLYMPIC SERVICE CENTER
 1436 GRANT AVENUE
 San Lorenzo, California





EXPLANATION

- ASPH - Asphalt
- ML - Inorganic silts and very fine sand, silty sands of slight plasticity
- CL - Inorganic clays of low plasticity, gravelly, sandy, or silty clays, lean clays
- CH - Inorganic clays of high plasticity, fat clays
- SP - Poorly graded sands, or gravelly sand, < 5% fines
- SM - Silty sands, >12% fines
- SC - Clayey sands, >12% fines
- = Fill

Well ID — Well Designation
 Elev. — Top of Casing Elevation
 (offset)

- Groundwater Monitoring Well
- Well Screen Interval
- Bottom of boring

◀ 04/30/02 Depth of Groundwater (first encountered) and date
 ▼ Depth of Groundwater and date

◀ Approximate sample location

TPH_g
 TPH_d
 Benzene
 MTBE
 Hydrocarbon concentrations in soil, in milligrams per kilogram (mg/kg)

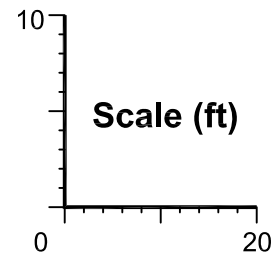
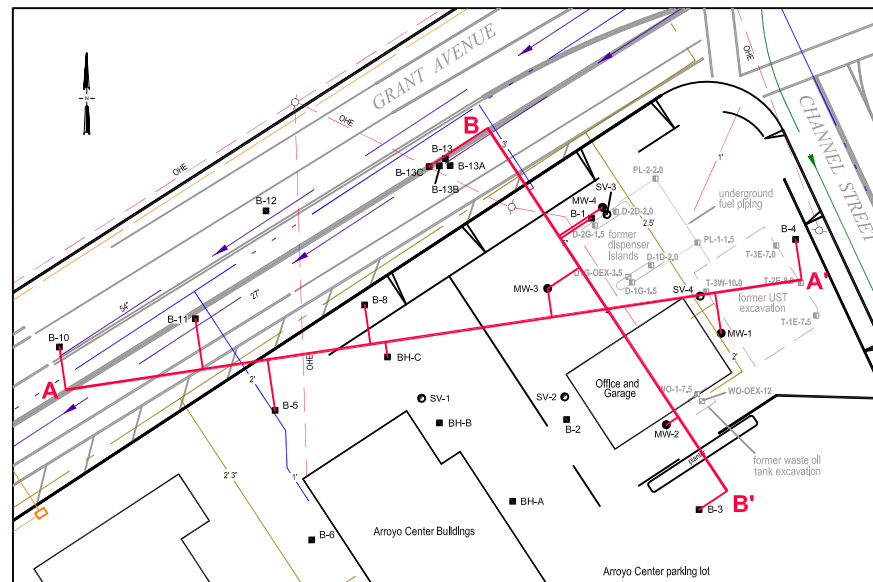


Figure 5
 GEOLOGIC CROSS SECTION B-B'
 FORMER OLYMPIC SERVICE CENTER
 1436 GRANT AVENUE
 San Lorenzo, California



EXPLANATION

MW-4 ● Monitoring well location	— Communications line
SV-3 ● Soil vapor well location	OHE - - - Overhead electrical line
B-1 ■ Soil boring location	- - - Electrical line
D-2G-1.5 ■ Confirmation soil sample location (July 1998)	- - - Water line
D1G-OEX-3.5 ■ Confirmation soil sample location (December 1998)	- - - Sanitary sewer line
	- - - Gas line
	- - - Storm drain line
	→ Flow direction
Well / Boring designation	
Sample date	
TPHD	100 TPHd concentration contour line, in milligrams per kilogram (mg/kg) dashed where inferred
DEPTH	

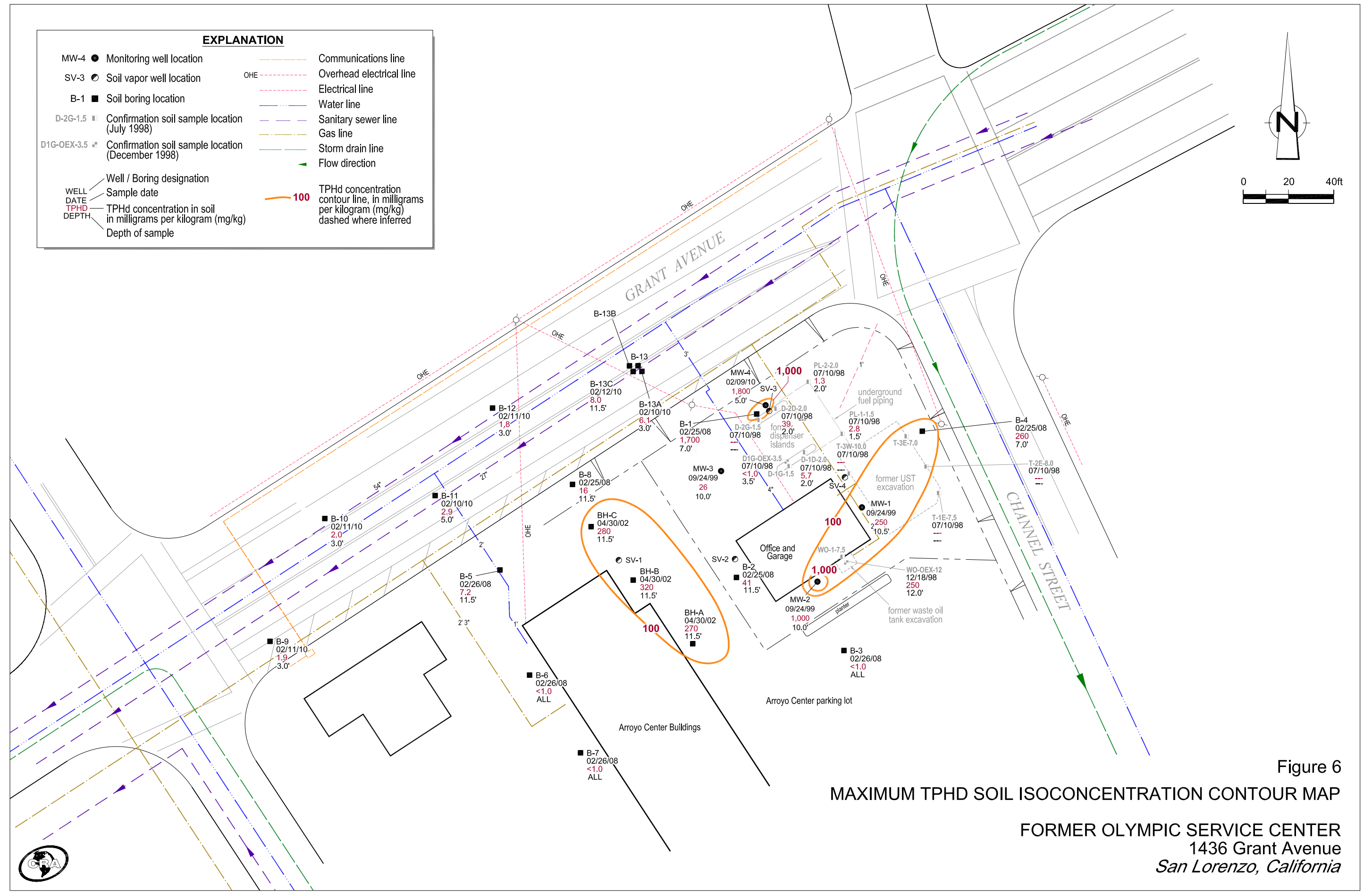
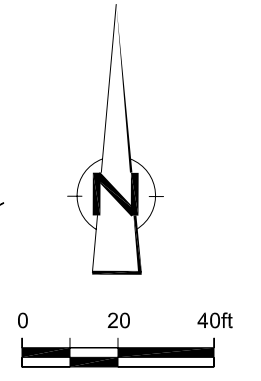


Figure 6
 MAXIMUM TPHD SOIL ISOCONCENTRATION CONTOUR MAP
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California



EXPLANATION

MW-4 ● Monitoring well location	— Communications line
SV-3 ● Soil vapor well location	OHE - - - Overhead electrical line
B-1 ■ Soil boring location	- - - Electrical line
D-2G-1.5 ■ Confirmation soil sample location (July 1998)	- - - Water line
D1G-OEX-3.5 ■ Confirmation soil sample location (December 1998)	- - - Sanitary sewer line
	- - - Gas line
	- - - Storm drain line
	→ Flow direction
Well / Boring designation	
Sample date	
TPHG	100 TPHg concentration contour line, in milligrams per kilogram (mg/kg) dashed where inferred
DEPTH	

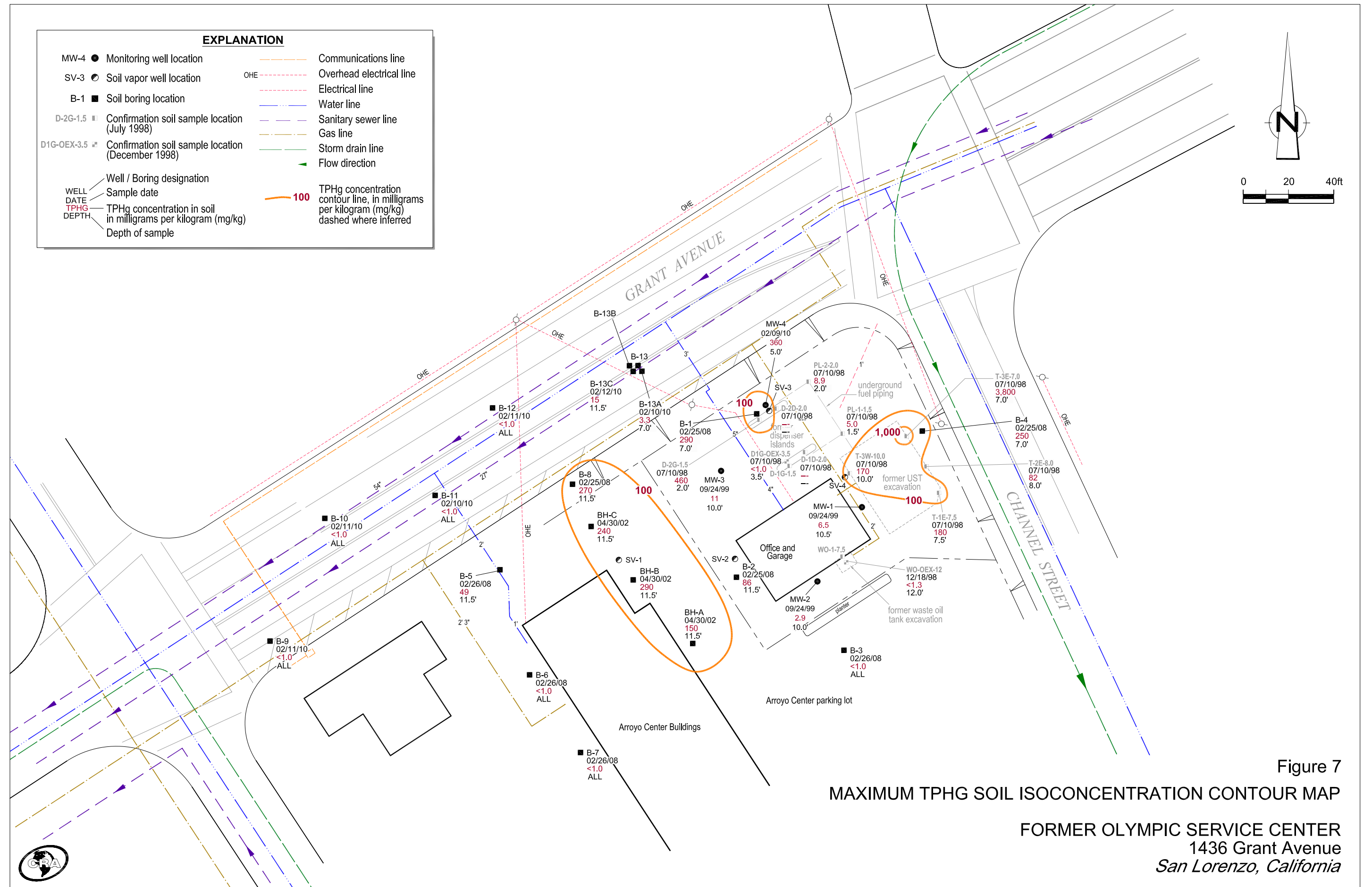
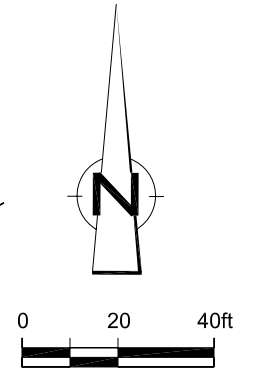


Figure 7
MAXIMUM TPHG SOIL ISOCONCENTRATION CONTOUR MAP
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California



EXPLANATION

MW-4 ● Monitoring well location	— Communications line
SV-3 ○ Soil vapor well location	OHE - - - Overhead electrical line
B-1 ■ Soil boring location	- - - Electrical line
D-2G-1.5 ■ Confirmation soil sample location (July 1998)	- - - Water line
D1G-OEX-3.5 ■ Confirmation soil sample location (December 1998)	- - - Sanitary sewer line
	- - - Gas line
	- - - Storm drain line
	→ Flow direction
Well / Boring designation	
Sample date	
BENZ mg/kg	1.0 Benzene concentration contour line, in milligrams per kilogram (mg/kg) dashed where inferred
DEPTH	
Depth of sample	

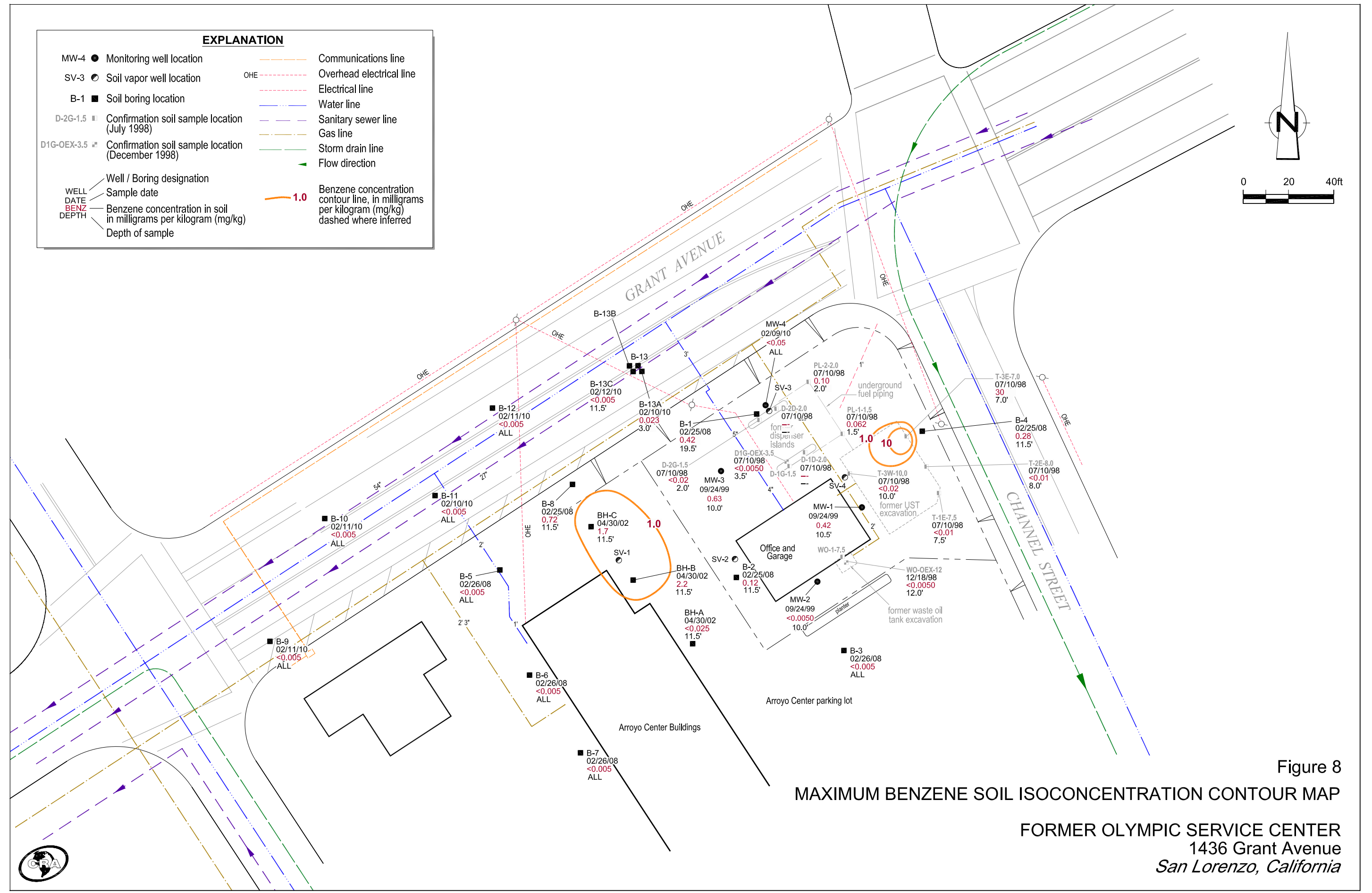
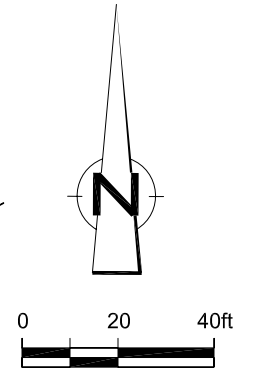


Figure 8
MAXIMUM BENZENE SOIL ISOCONCENTRATION CONTOUR MAP
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California



EXPLANATION

MW-4 ● Monitoring well location	— Communications line
SV-3 ● Soil vapor well location	OHE - - - Overhead electrical line
B-1 ■ Soil boring location	- - - Electrical line
D-2G-1.5 ■ Confirmation soil sample location (July 1998)	- - - Water line
D1G-OEX-3.5 ■ Confirmation soil sample location (December 1998)	- - - Sanitary sewer line
	- - - Gas line
	- - - Storm drain line
	→ Flow direction
Well / Boring designation	
Sample date	
MTBE	10
DEPTH	MTBE concentration contour line, in milligrams per kilogram (mg/kg) dashed where inferred

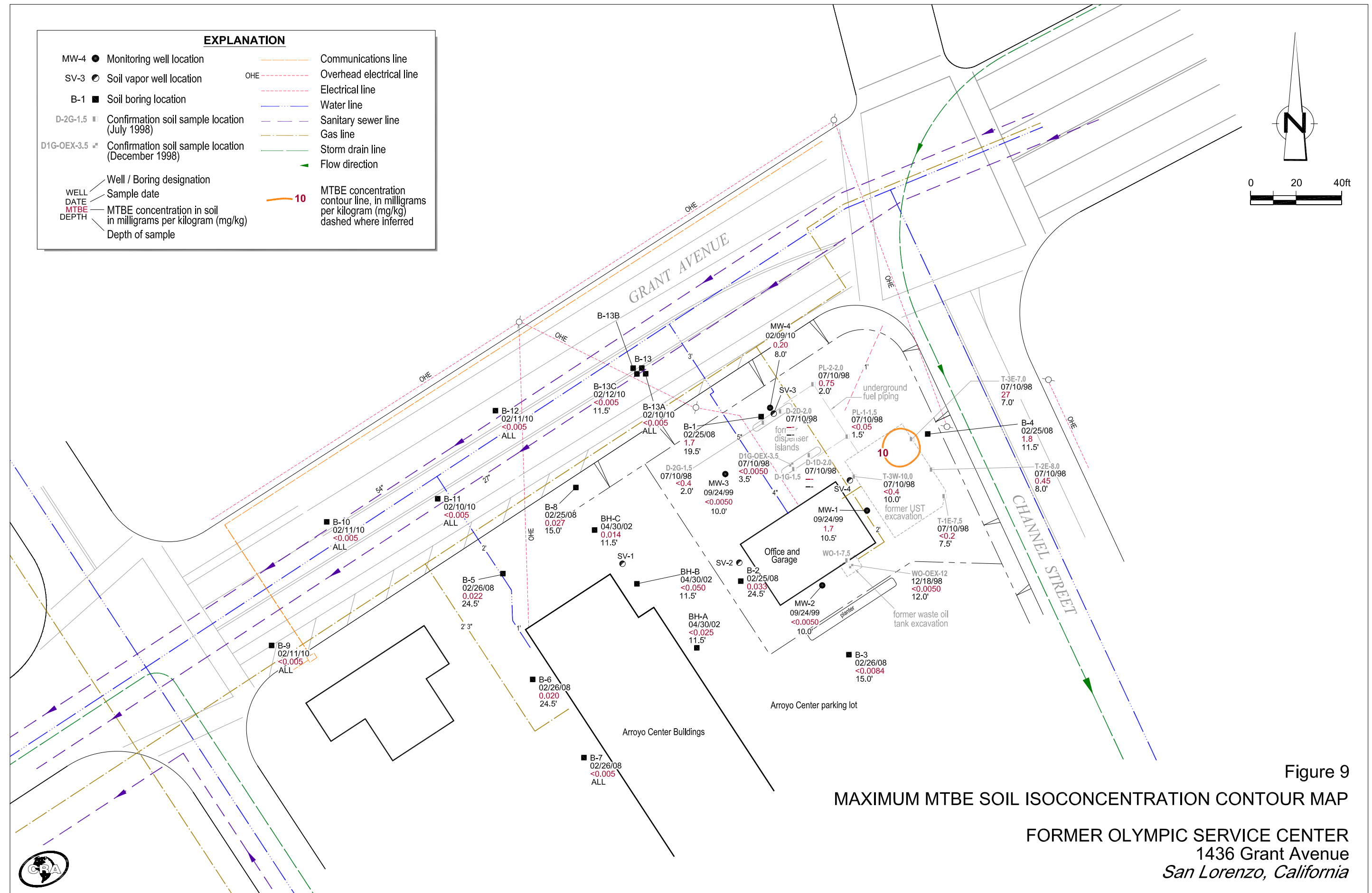
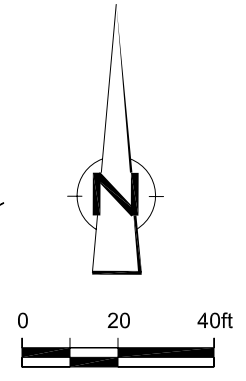
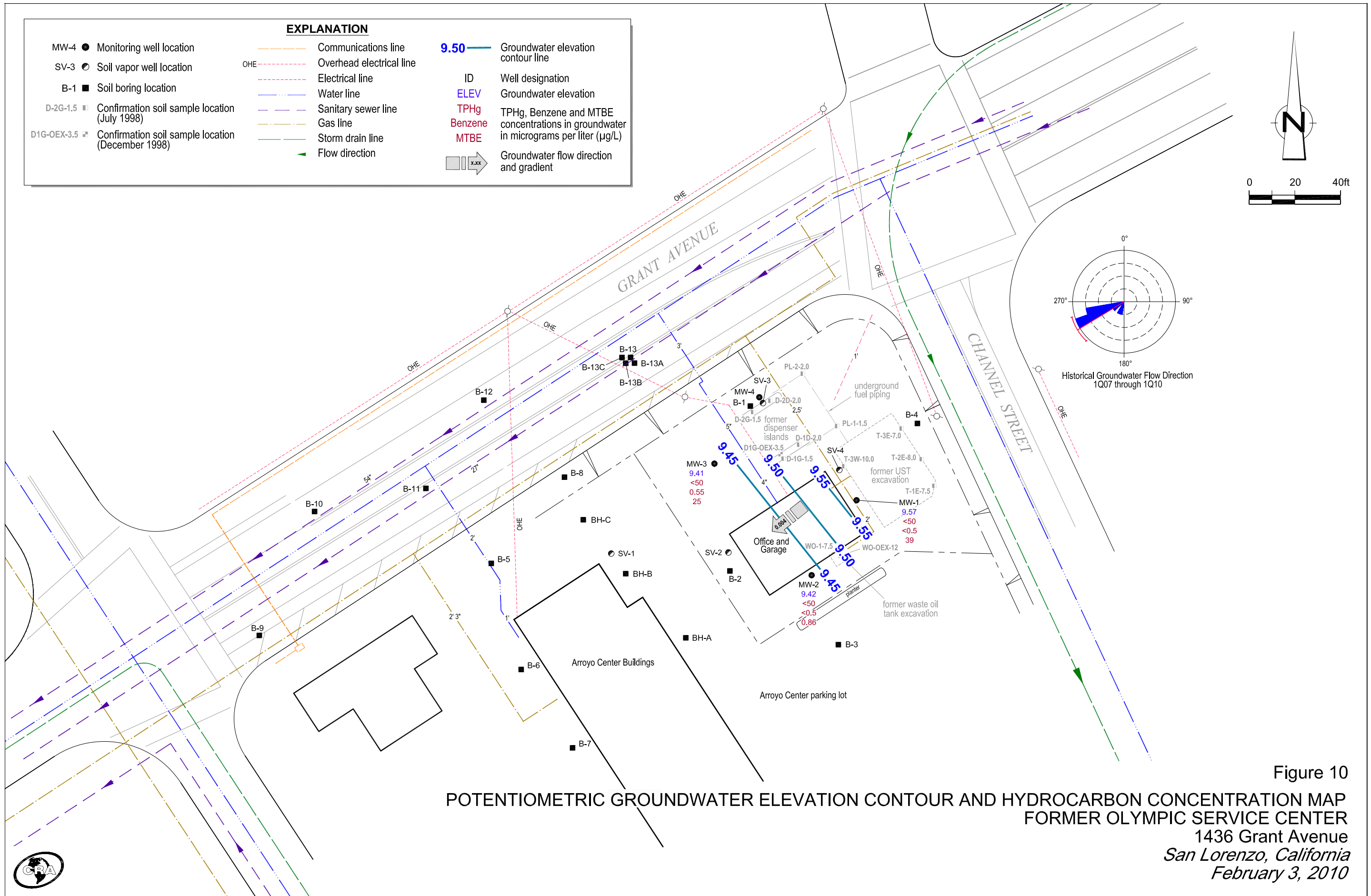


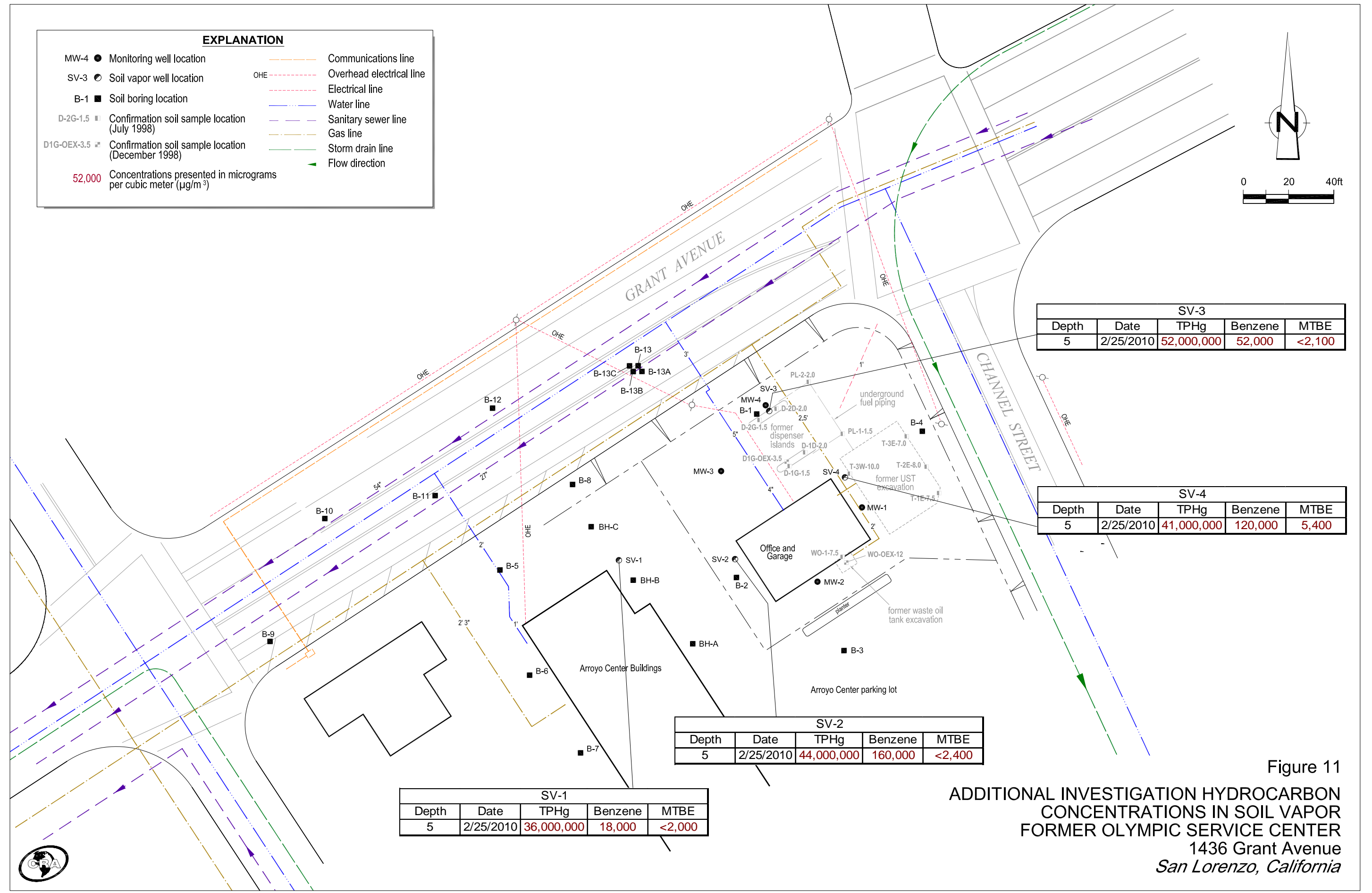
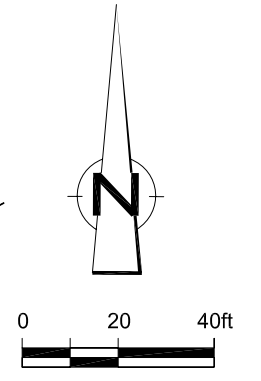
Figure 9
MAXIMUM MTBE SOIL ISOCONCENTRATION CONTOUR MAP
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California





EXPLANATION

- MW-4 ● Monitoring well location
- SV-3 ○ Soil vapor well location
- B-1 ■ Soil boring location
- D-2G-1.5 ■ Confirmation soil sample location (July 1998)
- D1G-OEX-3.5 ■ Confirmation soil sample location (December 1998)
- 52,000 Concentrations presented in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
- Communications line
- OHE - - - Overhead electrical line
- - - Electrical line
- - - Water line
- - - Sanitary sewer line
- - - Gas line
- - - Storm drain line
- Flow direction



SV-3				
Depth	Date	TPHg	Benzene	MTBE
5	2/25/2010	52,000,000	52,000	<2,100

SV-4				
Depth	Date	TPHg	Benzene	MTBE
5	2/25/2010	41,000,000	120,000	5,400

SV-2				
Depth	Date	TPHg	Benzene	MTBE
5	2/25/2010	44,000,000	160,000	<2,400

SV-1				
Depth	Date	TPHg	Benzene	MTBE
5	2/25/2010	36,000,000	18,000	<2,000

Figure 11
 ADDITIONAL INVESTIGATION HYDROCARBON
 CONCENTRATIONS IN SOIL VAPOR
 FORMER OLYMPIC SERVICE CENTER
 1436 Grant Avenue
 San Lorenzo, California



TABLES

MONITORING WELL CONSTRUCTION DETAILS
 ENCINAL PROPERTIES
 FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA

<i>Well ID</i>	<i>Date Installed</i>	<i>Borehole diameter</i> (in)	<i>Depth of borehole</i> (ft)	<i>Casing diameter</i> (in)	<i>Screened interval</i> (ft bgs)	<i>Slot Size</i> (in)	<i>Filter Pack</i> (ft bgs)	<i>Bentonite seal</i> (ft bgs)	<i>Cement</i> (ft bgs)	<i>TOC elevation</i> (ft above msl)
MW-1	9/24/1999	8	26.5	2	5-26.5	0.020	3.5-26.5	3-3.5	1.5-3	15.71
MW-2	9/24/1999	8	20.0	2	5-20	0.020	3.5-20	3-3.5	1.5-3	15.17
MW-3	9/24/1999	8	21.5	2	5-21	0.020	3.5-21.5	3-3.5	1.5-3	15.13
MW-4	2/9/2010	10	10.0	4	5-10	0.010	4-10	3-4	0.5-3	15.15

Abbreviations / Notes

ft = feet

in = inches

ft bgs = feet below grade surface

ft above msl = feet above mean sea level

TOC = top of casing

TOC elevations were surveyed on March 8, 2007 by Virgil Chavez Land Surveying.

Prior to this date, TOC elevation were relative to a project datum determined by Aqua Science Engineers, Inc. in 1998.

TABLE 2
 GROUNDWATER ANALYTICAL DATA
 ENCINAL PROPERTIES
 FORMER OLYMPIAN SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA

Well ID	Date Sampled	DTW (ft)	GWE (ft above msl)	Oil & Grease	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	SVOCs & HVOCS	DIPE	TAME	ETBE	TBA	Ethanol	EDB	1,2-DCA	Notes
				Concentrations in micrograms per liter (µg/L)																	
ESL ² -Groundwater is not a current or potential drinking water resource				NE	NE	210	210	46	130	43	100	1,800	-	NE	NE	NE	18,000	NE	NE	200	
<i>Grab Groundwater Samples</i>																					
Pit Water	9/13/1998	-	-	-	-	2,100	3,600	350	130	39	380	17,000	-	-	-	-	-	-	-	-	-
BH-A	4/30/2002	17/8	-	-	<100	<100	180	<0.50	<0.50	8.8	<0.50	82	-	<0.50	<0.50	<0.50	<5.0	-	-	-	-
BH-B	4/30/2002	16/8	-	-	<100	<200	2,300	120	11	60	150	2,000	-	<5.0	<5.0	<5.0	<5.0	-	-	-	-
BH-C	4/30/2002	16/8	-	-	<100	<150	1,200	57	0.72	43	87	240	-	<0.50	1.0	<0.50	<5.0	-	-	-	-
B-1-gw	2/25/2008	3/3.95	-	-	-	260,000	4,600	330	<5.0	33	<5.0	370	-	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0	*
B-2-gw	2/25/2008	7.5/6.95	-	-	-	1,900	540	12	<2.5	<2.5	<2.5	220	-	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5	*
B-3-gw	2/26/2008	8/NA	-	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	4.0	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
B-4-gw	2/25/2008	7.5/7.80	-	-	-	6,800	7,300	150	<50	150	<50	2,700	-	<50	<50	<50	1,700	<5,000	<50	<50	*
B-5-gw	2/26/2008	8/6.40	-	-	-	250	320	<10	<10	13	<10	630	-	<10	<10	<10	<40	<1,000	<10	<10	*
B-6-gw	2/26/2008	8/6.95	-	-	-	120	<50	<5.0	<5.0	<5.0	<5.0	240	-	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0	*
B-7-gw	2/26/2008	8/6.55	-	-	-	84	<50	<0.5	<0.5	<0.5	<0.5	27	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
B-8-gw	2/25/2008	8/6.10	-	-	-	1,000	930	37	<2.5	64	23	160	-	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5	*
B-9	2/11/2010	6.33	-	-	-	<50	<50	<2.5	<2.5	<2.5	<2.5	160	-	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5	*
B-10	2/11/2010	6.89	-	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	5.1	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
B-11	2/10/2010	5.20	-	-	-	3,700	130	0.69	<0.5	<0.5	<0.5	25	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
B-12	2/11/2010	6.65	-	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	1.2	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
B-13C	2/12/2010	8.97	-	-	-	3,400	2,300	<2.5	<2.5	<2.5	<2.5	92	-	<2.5	<2.5	<2.5	92	<250	<2.5	<2.5	*
<i>Quarterly Groundwater Samples</i>																					
MW-1	10/6/1999	8.35	6.65	-	-	84	3,900	<25	<25	<25	<25	3,500	-	-	-	-	-	-	-	-	-
15.00	1/13/2000	7.90	7.10	-	-	<50	<1,300	18	<13	<13	<13	1,700	-	-	-	-	-	-	-	-	-
	4/12/2000	7.08	7.92	-	-	56	<1,000	66	<10	<10	<10	1,600	-	-	-	-	-	-	-	-	-
	7/19/2000	7.66	7.34	-	-	52	<1,000	<10	<10	<10	<10	1,200	-	-	-	-	-	-	-	-	-
	10/25/2000	7.91	7.09	-	-	76	4,100	120	<25	<25	<25	6,100	-	-	-	-	-	-	-	-	-
	2/16/2007	6.32	8.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/2007	5.88	9.12	-	<250	<50	<50	<12	<12	<12	<12	78	-	<1.2	<1.2	<1.2	<12	<120	<1.2	<1.2	*
15.71	5/1/2007	7.24	8.47	-	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	250	-	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0	*
	8/1/2007	7.77	7.94	-	-	<50	<50	<25	<25	<25	<25	520	-	<25	<25	<25	<250	<2500	<25	<25	*
	11/1/2007	7.71	8.00	-	-	<50	<50	<12	<12	<12	<12	460	-	<12	<12	<12	<120	<1,200	<12	<12	*
	2/1/2008	5.71	10.00	-	-	<50	<50	<2.5	<2.5	<2.5	<2.5	110	-	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5	*
	5/2/2008	7.52	8.19	-	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	240	-	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0	*
	8/1/2008	8.02	7.69	-	-	<50	<50	<10	<10	<10	<10	500	-	<10	<10	<10	<40	<1,000	<10	<10	*
	11/4/2008	7.28	8.43	-	-	<50	<50	<5.0	<5.0	<5.0	<5.0	260	-	<5.0	<5.0	<5.0	26	<500	<5.0	<5.0	*
	8/11/2009	8.08	7.63	-	-	<50	<50	<5.0	<5.0	<5.0	<5.0	270	-	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0	*
	2/3/2010	6.14	9.57	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	39	-	-	-	-	-	-	-	-	-
MW-2	10/6/1999	7.87	6.59	<1,000	<500	<50	70	<0.5	<0.5	<0.5	<0.5	11	ND	-	-	-	-	-	-	-	-
14.46	1/13/2000	7.46	7.00	<1,000	<500	<50	<50	<0.5	<0.5	<0.5	<0.5	6.2	ND	-	-	-	-	-	-	-	-
	4/12/2000	6.67	7.79	1,100	<500	<50	<50	<0.5	<0.5	<0.5	<0.5	39	-	-	-	-	-	-	-	-	-
	7/19/2000	7.23	7.23	1,300	<500	<50	<1,000	<10	<10	<10	<10	990	-	-	-	-	-	-	-	-	-
	10/25/2000	7.52	6.94	-	<500	<50	370	<2.5	<2.5	<2.5	<2.5	690	-	-	-	-	-	-	-	-	-
	2/16/2007	5.89	8.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/2007	5.45	9.01	-	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	9.8	-	<0.5	<0.5	<0.5	<5.0	<50	<0.5	<0.5	*
15.17	5/1/2007	6.83	8.34	-	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	120	-	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0	*
	8/1/2007	7.35	7.82	-	-	<50	<50	<5.0	<5.0	<5.0	<5.0	130	-	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0	*
	11/1/2007	7.27	7.90	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	19	-	<0.5	<0.5	<0.5	<5.0	<50	<0.5	<0.5	*
	2/1/2008	5.25	9.92	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	3.3	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
	5/2/2008	7.12	8.05	-	-	<50	<50	<2.5	<2.5	<2.5	<2.5	83.0	-	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5	*
	8/1/2008	7.59	7.58	-	-	<50	<50	<1.0	<1.0	<1.0	<1.0	52	-	<1.0	<1.0	<1.0	<4.0	<100	<1.0	<1.0	*

TABLE 2
 GROUNDWATER ANALYTICAL DATA
 ENCINAL PROPERTIES
 FORMER OLYMPIAN SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA

Well ID	Date Sampled	DTW (ft)	GWE (ft above msl)	Oil & Grease	TPH _{mo}	TPH _d	TPH _g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	SVOCs & HVOCS	DIPE	TAME	ETBE	TBA	Ethanol	EDB	1,2-DCA	Notes
				Concentrations in micrograms per liter (ug/L)																	
ESL*: Groundwater is not a current or potential drinking water resource				NE	NE	210	210	46	130	43	100	1,800	-	NE	NE	NE	18,000	NE	NE	200	
MW-2	11/4/2008	6.84	8.33	-	-	80	<50	<0.5	<0.5	<0.5	<0.5	5.9	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
cont.	8/11/2009	7.65	7.52	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	9.4	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	
	2/3/2010	5.75	9.42	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	0.86	-	-	-	-	-	-	-	-	
MW-3	10/6/1999	7.90	6.51	-	-	300	3,900	900	89	160	560	790	-	-	-	-	-	-	-	-	
14.41	1/13/2000	7.50	6.91	-	-	210	740	110	4.8	35	18	290	-	-	-	-	-	-	-	-	
	4/12/2000	6.61	7.80	-	-	640	2,200	650	9.7	180	24	140	-	-	-	-	-	-	-	-	
	7/19/2000	7.24	7.17	-	-	270	2,700	420	<2.5	160	<2.5	99	-	-	-	-	-	-	-	-	*
	10/25/2000	7.52	6.89	-	-	150	710	180	<2.5	24	<2.5	71	-	-	-	-	-	-	-	-	*
	2/16/2007	5.90	8.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3/1/2007	5.44	8.97	-	<250	<50	82	20	<1.7	<1.7	<1.7	100	-	<1.7	<1.7	<1.7	<17	<170	<1.7	<1.7	*
15.13	5/1/2007	6.87	8.26	-	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	88	-	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0	*
	8/1/2007	7.40	7.73	-	-	<50	130	12	<2.5	<2.5	<2.5	98	-	<2.5	<2.5	<2.5	<25	<250	<2.5	<2.5	*
	11/1/2007	7.35	7.78	-	-	<50	77	<2.5	<2.5	<2.5	<2.5	68	-	<2.5	<2.5	<2.5	<25	<250	<2.5	<2.5	*
	2/1/2008	5.28	9.85	-	-	<50	<50	<2.5	<2.5	<2.5	<2.5	97	-	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5	*
	5/2/2008	7.15	7.98	-	-	<50	68	2.3	<1.7	<1.7	<1.7	86	-	<1.7	<1.7	<1.7	7.20	<170	<1.7	<1.7	*
	8/1/2008	7.66	7.47	-	-	<50	85	3.5	<1.0	<1.0	<1.0	66	-	<1.0	<1.0	<1.0	7.2	<100	<1.0	<1.0	*
	11/4/2008	6.96	8.17	-	-	<50	<50	<1.0	<1.0	<1.0	<1.0	40	-	<1.0	<1.0	<1.0	<4.0	<100	<1.0	<1.0	*
	8/11/2009	7.72	7.41	-	-	<50	110	33	<0.5	<0.5	<0.5	28	-	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5	*
	2/3/2010	5.72	9.41	-	-	-	<50	0.55	<0.5	<0.5	<0.5	25	-	-	-	-	-	-	-	-	

Abbreviations / Notes

* = San Francisco Bay Regional Water Quality Control Board ESL for groundwater where groundwater is not a current or potential drinking water resource

NE = Not Evaluated

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation in feet above mean sea level

ft above msl = feet above mean sea level

17/8 = Depth to first encountered groundwater/depth of static groundwater

<n = Not detected above laboratory reporting limit

- = Not sampled, not analyzed, not available

ND = Not detected above laboratory reporting limit

Oil and grease by EPA Method 5520 E&F

TPH_d = Total Petroleum Hydrocarbons as diesel range by EPA Method 8015

TPH_g = Total Petroleum Hydrocarbons as gasoline range by EPA Method 8015

TPH_{mo} = Total Petroleum Hydrocarbons as motor oil by EPA Method 8015

Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020

MTBE = Methyl tertiary butyl ether by EPA Method 8260

Di-isopropyl ether (DIPE), tertiary-amyl methyl ether (TAME), ethyl tertiary-butyl ether (ETBE), tertiary-butyl alcohol (TBA) by EPA Method 8260B

SVOCs = Semi-volatile organic compounds by EPA Method 8270, refer to corresponding analytical laboratory report for a full list of compounds

HVOCS = Halogenated volatile organic compound by EPA Method 8010, refer to corresponding analytical laboratory report for a full list of compounds

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

* = See Analytical Laboratory Report for laboratory sample description and TPH chromatogram interpretation.

TOC elevations were surveyed on March 8, 2007 by Virgil Chavez Land Surveying. Prior to this date, TOC elevation were relative to a project datum determined by Aqua Science Engineers, Inc. in 1998.

TABLE 3

SOIL ANALYTICAL DATA
ENCINAL PROPERTIES
FORMER OLYMPIC STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

Sample ID	Sample Date	Sample Depth (ft)	Concentrations in mg/kg																	Notes
			Oil & Grease	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	TAME	ETBE	TBA	1,2-DCA	EDB	Ethanol	Naphthalene	
Shallow Soil (≤10 fbg) ESL ⁵ :			NE	NE	180	180	0.27	9.3	4.7	11	8.4	NE	NE	NE	110	0.48	0.044	NE	2.8	
Deep Soil (>10 fbg) ESL ⁵ :			NE	NE	180	180	2.0	9.3	4.7	11	8.4	NE	NE	NE	110	0.48	1.0	NE	4.8	
<i>July 1998 UST Removal</i>																				
WO-1-7.5	7/10/1998	7.5	4,300	—	1,300	200	1.5	11	3.6	20	1.4	*	—	—	—	—	<0.025	—	—	a,b,g
T-1E-7.5	7/10/1998	7.5	—	—	—	180	<0.01	0.94	4.6	0.56	<0.2	*	—	—	—	—	—	—	—	aj
T-2E-8.0	7/10/1998	8	—	—	—	82	<0.01	0.39	2.9	0.28	0.45	*	—	—	—	—	—	—	—	aj
T-3E-7.0	7/10/1998	7	—	—	—	3,800	30	180	93	430	27	*	—	—	—	—	—	—	—	aj
T-3W-10.0	7/10/1998	10	—	—	—	170	<0.02	0.71	5.3	6.6	<0.4	*	—	—	—	—	—	—	—	aj
D-1G-1.5	7/10/1998	1.5	—	—	—	5,700	<0.25	14	54	280	<5	*	—	—	—	—	—	—	—	b
D-2G-1.5	7/10/1998	2	—	—	—	460	<0.02	0.26	0.61	5.0	<0.4	*	—	—	—	—	—	—	—	bj
D-1D-2.0	7/10/1998	2	—	—	—	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	b
D-2D-2.0	7/10/1998	2	—	—	—	39	—	—	—	—	—	—	—	—	—	—	—	—	—	b
PL-1-1.5	7/10/1998	1.5	—	—	—	2.8	5.8	0.062	0.062	0.33	0.14	<0.05	*	—	—	—	—	—	—	a,b
PL-2-2.0	7/10/1998	2	—	—	—	1.3	5.9	0.10	0.56	0.19	0.42	0.75	*	—	—	—	—	—	—	a,b
<i>December 1998 Waste Oil Tank Overexcavation</i>																				
WO-OEX-12	12/18/1998	12	570	940	250	<1.3	<0.0050	0.024	0.057	0.24	<0.0050	*	—	—	—	—	<0.0050	—	—	—
DIG-OEX-3.5	12/18/1998	3.5	—	<50	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*	—	—	—	—	—	—	—	—
<i>1999 Assessment</i>																				
MW-1	9/24/1999	10.5	—	—	250	6.5	0.42	0.18	0.065	0.027	1.7	*	—	—	—	—	—	—	—	—
MW-2	9/24/1999	10	700	2,400	1,000	2.9	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	*	—	—	—	—	—	—	—	—
MW-3	9/24/1999	10	—	—	26	11	0.63	0.18	0.31	1.1	<0.0050	*	—	—	—	—	—	—	—	—
<i>2002 Assessment</i>																				
BH-A	4/30/2002	11.5	—	—	180	270	150	* <0.025	0.027	1.9	0.28	<0.025	<0.025	<0.025	<0.025	—	—	—	—	—
BH-B	4/30/2002	11.5	—	—	<10	320	290	* 2.2	0.49	5.0	12	<0.050	<0.050	<0.050	<0.050	—	—	—	—	—
BH-C	4/30/2002	11.5	—	—	12	280	240	* 1.7	0.016	4.3	5.1	0.014	<0.0050	<0.0050	<0.0050	<0.050	—	—	—	—
<i>2008 Assessment</i>																				
B-1@3'	2/25/2008	3	—	—	8.3	<1.0	* <0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.25	—
B-1@7'	2/25/2008	7	—	—	1,700	290	* 0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.16	<0.16	<10	—
B-1@10.5'	2/25/2008	10.5	—	—	120	140	* 0.31	0.089	0.11	<0.050	1.0	<0.050	<0.050	<0.050	<0.50	<0.040	<0.040	<2.5	—	
B-1@19.5'	2/25/2008	19.5	—	—	120	85	* 0.42	<0.050	0.91	<0.050	1.7	<0.050	<0.050	<0.050	<0.50	<0.040	<0.040	<2.5	—	
B-2@7'	2/25/2008	7	—	—	14	30	* 0.016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.25	—
B-2@11.5'	2/25/2008	11.5	—	—	41	86	* 0.12	<0.005	0.020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.25	—

TABLE 3

SOIL ANALYTICAL DATA
ENCINAL PROPERTIES
FORMER OLYMPIC STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

Sample ID	Sample Date	Sample Depth (ft)	Oil & Grease	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	TAME	ETBE	TBA	1,2-DCA	EDB	Ethanol	Naphthalene	Notes	
																					Concentrations in mg/kg
B-2@15'	2/25/2008	15	-	-	2.2	4.9	* 0.018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-		
B-2@24.5'	2/25/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.033	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-		
B-3@7'	2/26/2008	7	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-3@15'	2/26/2008	15	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.0084	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-3@24.5'	2/26/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-4@7'	2/25/2008	7	-	-	260	250	* 0.016	<0.010	0.037	<0.010	0.28	<0.010	<0.010	<0.010	0.34	<0.0080	<0.0080	<0.50	-		
B-4@11.5'	2/25/2008	11.5	-	-	12	110	* 0.28	<0.050	1.1	<0.050	1.8	<0.050	<0.050	<0.050	<0.50	<0.040	<0.040	<2.5	-		
B-4@15'	2/25/2008	15	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.045	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-4@24.5'	2/25/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-5@7'	2/26/2008	7	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-5@11.5'	2/26/2008	11.5	-	-	7.2	49	* <0.005	<0.005	0.15	<0.005	0.0056	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-5@15'	2/26/2008	15	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.019	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-5@24.5'	2/26/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.022	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-6@7'	2/26/2008	7	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-6@11.5'	2/26/2008	11.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-6@15.5'	2/26/2008	15.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-6@24.5'	2/26/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.020	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-7@7'	2/26/2008	7	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-7@11.5'	2/26/2008	11.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-7@15.5'	2/26/2008	15.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-7@24.5'	2/26/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-8@6.5'	2/25/2008	6.5	-	-	4.3	5.8	* 0.015	<0.005	0.0075	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
B-8@11.5'	2/25/2008	11.5	-	-	16	270	* 0.72	<0.20	2.5	0.99	<0.20	<0.20	<0.20	<2.0	<0.16	<0.16	<10	-			
B-8@15'	2/25/2008	15	-	-	1.5	4.9	* <0.005	<0.005	0.014	<0.005	0.027	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-		
B-8@24.5'	2/25/2008	24.5	-	-	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.25	-			
2010 Assessment																					
MW-3	2/9/2010	3			530	160	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.50	<0.040	<0.040	<5.0	1.3	g, j, e8/e1	
MW-5	2/9/2010	5			1,800	360	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.080	<0.080	<10	3.1	g, e1, b		
MW-8	2/9/2010	8			50	270	<0.050	<0.050	0.70	<0.050	0.20	<0.050	<0.050	<0.50	<0.040	<0.040	<5.0	1.1	g, j, b		
B-9-3	2/11/2010	3			1.9	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b		
B-9-5	2/11/2010	5			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005			
B-9-10	2/11/2010	10			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005			
B-9-15	2/11/2010	15			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005			
B-9-20	2/11/2010	20			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005			
B-9-24.5	2/11/2010	24.5			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.5	<0.004	<0.004	<0.5	<0.005			
B-10-3	2/11/2010	3			2.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b		
B-10-5	2/11/2010	5			1.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b		
B-10-9.5	2/11/2010	9.5			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005			

TABLE 3

SOIL ANALYTICAL DATA
ENCINAL PROPERTIES
FORMER OLYMPIC STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

Sample ID	Sample Date	Sample Depth (ft)	Concentrations in mg/kg																Notes
			Oil & Grease	TPH _m	TPH _d	TPH _g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	TAME	ETBE	TBA	1,2-DCA	EDB	Ethanol	
B-10-15	2/11/2010	15			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-10-20	2/11/2010	20			1.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-10-24.5	2/11/2010	24.5			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-11-3	2/10/2010	3			2.1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-11-5	2/10/2010	5			2.9	<1.0	<0.005	<0.005	<0.005	0.0078	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-11-8	2/10/2010	8			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-11-10	2/10/2010	10			2.7	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-12-3	2/11/2010	3			1.8	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-12-5	2/11/2010	5			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-12-10	2/11/2010	10			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-12-15	2/11/2010	15			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-12-20	2/11/2010	20			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-12-24.5	2/11/2010	24.5			<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	
B-13A-3	2/10/2010	3			6.1	<1.0	0.023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-13A-5	2/10/2010	5			1.2	<1.0	0.0060	<0.005	0.010	0.011	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	b
B-13A-7	2/10/2010	7			2.8	3.3	<0.005	<0.005	0.016	0.021	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	a, b
B-13C-11.5	2/12/2010	11.5			8.0	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.004	<0.004	<0.5	<0.005	g, j, b

Abbreviations and Notes:

mg/kg = milligrams per kilograms

Oil and grease by EPA Method 5520 E&F

TPH_c = Total Petroleum Hydrocarbons as diesel range by EPA Method 8015M

TPH_g = Total Petroleum Hydrocarbons as gasoline range by EPA Method 8015M

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020

MTBE = Methyl tertiary butyl ether by EPA Method 8020 or 8260

* = MTBE by EPA Method 8020; TPH_g by EPA Method 8260

Di-isopropyl ether (DIPE), tertiary-amyl methyl ether (TAME), ethyl tertiary-butyl ether (ETBE), tertiary-butyl alcohol (TBA) by EPA Method 8260B

1,2-dichloroethane (1,2-DCA) by EPA Method 8240A, 8010 list

<n = Not detected above laboratory reporting limit

-- = Not analyzed or not sampled.

a = Unmodified or weakly modified gasoline is significant

b = Gasoline range compounds are significant; diesel range compounds are significant; oil range compounds significant

and D of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final -

g = Strongly aged gasoline or diesel range compounds are significant

j = No recognizable pattern

e1 = Unmodified or weakly modified diesel is significant

e8 = Kerosene / kerosene range / jet fuel range

bold = concentration equal to or greater than the applicable ESL

TABLE 4

SOIL VAPOR ANALYTICAL DATA
ENCINAL PROPERTIES
1436 GRANT AVE,
SAN LORENZO, CALIFORNIA

Sample ID	Date Sampled	Depth (ft)	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)	MTBE (ug/m ³)	Naphthalene (ug/m ³)	Helium (%)	Oxygen (%)	Methane (%)	Carbon Dioxide (%)
SV-1	2/25/2010	5	36,000,000	18,000	<2,100	<2,500	<2,500	<2,500	<2,000	<12,000	<0.11	1.4	35	8.5
SV-2	2/25/2010	5	44,000,000	160,000	<2,500	<2,900	<2,900	<2,900	<2,400	<14,000	<0.13	1.2	13	9.0
SV-3	2/25/2010	5	52,000,000	52,000	<2,200	<2,500	<2,500	<2,500	<2,100	<12,000	<0.12	1.2	18	5.8
SV-4	2/25/2010	5	41,000,000	120,000	<4,400	<5,000	<5,000	<5,000	5,400	<24,000	<0.12	1.2	5.2	9.5
<i>Duplicate Samples</i>														
SV-2-D	2/25/2010	5	43,000,000	160,000	<2,400	<2,800	<2,800	<2,800	<2,300	<13,000	<0.13	1.1	13	8.9

Abbreviations and Analyses:

<n = Not detected above laboratory detection limit, n.

ug/m³ = Microgram per cubic meter.

% = Percent

ft = Measured in feet

MTBE = methyl tert-butyl ether

TPHg by EPA Method TO-3

Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylenes, MTBE, & Naphthalene by modified EPA Method TO-15.

Oxygen, Methane, Carbon Dioxide, & Helium by ASTM D-1946

APPENDIX A
AGENCY CORRESPONDENCE

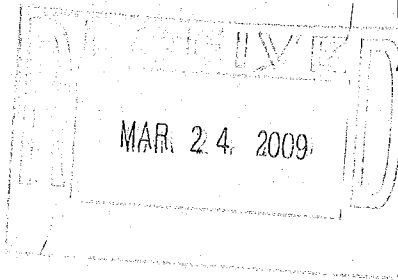
ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director



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

March 17, 2009

Mr. George Jaber
George H. Jaber Trust
2801 Encinal Avenue
Alameda, CA 94501-4726



Subject: Fuel Leak Case No. RO00000373 Olympic Station (Global ID #T0600102256), 1436 Grant Avenue, San Lorenzo, CA 94580

Dear Mr. Jaber:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Site Investigation, Preferential Pathway and Work Plan Report," dated April 29, 2008 prepared by Conestoga Rover and Associates (CRA). CRA advanced eight soil borings both on and off-site and results from the site investigation detected significantly elevated levels of petroleum hydrocarbon contamination in soil adjacent to the former dispenser island at concentrations of up to 1,700 parts per million TPHd (mg/kg), 290 mg/kg TPHg, 0.72 mg/kg benzene and 1.8 mg/kg MtBE. In addition, grab groundwater samples collected from the soil borings detected dissolved phase contamination at concentrations of up to 260,000 micro grams per liter ($\mu\text{g/L}$) TPHd 7,300 $\mu\text{g/L}$ TPHg, 330 $\mu\text{g/L}$ benzene and 2,700 $\mu\text{g/L}$ MtBE.

During a preferential pathway study, CRA determined that the utility corridor in Grant Avenue may be acting as a potential pathway for the offsite migration of contamination. In addition, CRA has proposed the installation of seven soil borings, one groundwater monitoring well and four soil vapor points to define the extent of contamination and evaluate the vapor intrusion pathway. ACEH generally agrees with the scope of work as proposed in the work plan, provided the technical comments discussed below are addressed prior to the implementation of the work plan.

We request that you perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Utility Corridor Evaluation.** CRA has identified a storm drain and sanitary sewer line within Grant Avenue that may be acting as potential pathway for the downgradient migration of dissolved phase contamination. Please attempt to collect groundwater samples in the utility corridor backfill to determine if the utility trench may be acting to transmit dissolved phase contamination downgradient of your site and present the results of your investigation in the report requested below.
2. **Proposed Soil Vapor Assessment.** CRA has proposed the installation of four soil vapor points to evaluate the soil vapor to indoor air migration pathway. We generally concur with the proposal to install soil vapor probes; however, we request that you perform the soil vapor assessment in accordance with the January 2003 DTSC "Advisory - Active Soil Gas Investigations". In addition, please include naphthalene in the soil vapor sample analysis. Please present the result from the soil vapor investigation in the report requested below.

3. **Proposed Soil Boring Locations and Soil Sampling.** Results from the subsurface investigation completed in May 2008 detected elevated levels of petroleum hydrocarbon contamination in soil boring B-1 at concentrations of up to 1,700 mg/kg TPHd and 290 mg/kg TPHg, 0.42 mg/kg benzene and 1.8 mg/kg MtBE. CRA has proposed the installation of seven soil boring to define the extent of contamination. However, the two proposed soil borings upgradient of the site (in Channel Street) are not justified, and the UST cleanup fund may not provide reimbursement for their installation. ACEH generally concurs with the proposed soil sample analysis provided that you include chemical analysis of naphthalene. Please present results for the soil boring installation in the report requested below.

4. **Proposed Monitoring Well Installation.** CRA has proposed the installation of one monitoring well in the vicinity of the former fuel dispenser island to evaluate the dissolved phase hydrocarbon plume. CRA recommends that the monitoring well be constructed with a 15 foot screen interval. ACEH does not concur with the use of long screen wells, as data from these wells is not likely to be representative of the actual groundwater conditions. ACEH recommends the use of monitoring wells designed with sand pack interval of 5 feet or less, as these wells will likely be representative of groundwater conditions at a specific depth interval. Please present results from the monitoring well construction in the soil and groundwater investigation report requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Steven Plunkett), according to the following schedule:

- **May 15, 2009** – Soil and Groundwater Investigation with Utility Corridor Evaluation

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

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. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for 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 monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

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.

LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please be aware that you may be eligible for reimbursement of the costs of investigation from the California Underground Storage Tank Cleanup Fund (Fund). In some cases, a deductible amount may apply. If you believe you meet the eligibility requirements, we strongly encourage you to call the Fund for an application.

AGENCY OVERSIGHT

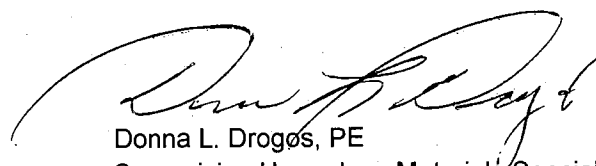
If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section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

If you have any questions, please call me at (510) 383-1767.

Sincerely,



Steven Plunkett
Hazardous Materials Specialist



Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

George Jaber
March 17, 2009
RO0000373
Page 4

cc: Robert Foss
CRA
5900 Hollis Street
Emeryville, CA 94608

Donna Drogos, Steven Plunkett, File

**Alameda County Environmental Cleanup
Oversight Programs
(LOP and SLIC)**

ISSUE DATE: July 5, 2005

REVISION DATE: December 16, 2005

PREVIOUS REVISIONS: October 31, 2005

SECTION: Miscellaneous Administrative Topics & Procedures

SUBJECT: Electronic Report Upload (ftp) Instructions

Effective January 31, 2006, 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

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- 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)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in Excel format. These are for use by assigned Caseworker only.

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
 - or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
- 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 and Firefox browsers will not open the FTP site.
- b) Click on File, then on Login As.
- 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 at 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)

APPENDIX B

STANDARD FIELD PROCEDURES FOR MONITORING WELL INSTALLATION

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR MONITORING WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (P.G.) or Professional Engineer (P.E.).

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

Drilling and sampling equipment is steam-cleaned 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 Analysis

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

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

Conestoga-Rovers & Associates

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater 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. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may 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 tremie pipe.

MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I,II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Conestoga-Rovers & Associates

Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and 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. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

APPENDIX C
BORING LOGS



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	SV-1
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	12-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	12-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	5 to 5.2 fbg
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	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: 6 inches thick	0.5	<p> Benonite Seal 1/4" diam. Teflon Tubing 12" of Dry Granular Bentonite Monterey Sand #2/12 1" Polyethylene Vapor Probe Bottom of Boring @ 5.5 fbg </p>
					ML		FILL: SAND with Silt (SW); Moderate yellowish brown (10YR 5/4); moist; 10% silt, 10% gravel up to 1/2", 80% fine to coarse grained sand. SILT (ML); Grayish olive (10Y 4/2); moist; 90% silt, 10% fine grained sand; non-plastic. @ 3': SILT; 10% clay, 10% fine grained sand, 80% silt; low plasticity.	1.0	
					CL		CLAY (CL); Grayish olive (10Y 4/2); moist; 10% fine grained sand, 40% silt, 50% clay; medium plasticity.	4.0	
				5				5.5	

WELL LOG (PID) I:\IRIG-CHARS\6291-1-629100-1-629100-ENCINAL_B-LOGS.GPJ DEFAULT.GDT 5/12/10



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	SV-2
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	09-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	12-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	5 to 5.2 fbg
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	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: 6 inches thick	0.5	<p> Bentonite Seal 1/4" diam. Teflon Tubing 12" of Dry Granular Bentonite Monterey Sand #2/12 1" Polyethylene Vapor Probe Bottom of Boring @ 5.5 fbg </p>
					ML		FILL: SAND with Silt (SW); Moderate olive brown (5Y 4/4); moist; 5% clay, 10% silt, 10% gravel up to 1/2" diameter, 75% fine to coarse grained sand; non-plastic. SILT (ML); Olive gray (5Y 3/2); moist; 10% clay, 10% fine to medium grained sand, 80% silt; low plasticity. @ 2': SILT with Sand; 20% fine grained sand, 80% silt; non-plastic. @ 3': SILT with Sand; 10% clay, 20% fine grained sand, 70% silt; low plasticity.	1.0	
					CL		CLAY (CL); Olive gray (5Y 3/2); moist; 10% fine grained sand, 40% silt, 50% clay; low plasticity.	4.0	
				5				5.5	

WELL LOG (PID) I:\R16-CHARS\6291-1629100-ENCINAL_B-I.DGS.GPJ DEFAULT.GDT 5/12/10



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	SV-3
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	09-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	09-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	5 to 5.2 fbg
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	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
				0.4			ASPHALT: 3 inches thick	0.4	<p>Bentonite Seal</p> <p>1/4" diam. Teflon Tubing</p> <p>12" of Dry Granular Bentonite</p> <p>Monterey Sand #2/12</p> <p>1" Polyethylene Vapor Probe</p> <p>Bottom of Boring @ 5.5 fbg</p>
				2.0			FILL: SAND (SW); Moderate yellowish brown (10YR 5/4); moist; 5% silt, 5% gravel, 90% fine to medium grained sand.	2.0	
				4.0	ML		Sandy SILT (ML); Olive gray (5Y 3/2); moist; 40% fine grained sand, 60% silt; non-plastic. @ 3': SILT; 5% fine grained sand, 10% clay, 85% silt; low plasticity.	4.0	
				5.0	CL		CLAY (CL); Olive gray (5Y 3/2); moist; 5% fine grained sand, 35% silt, 60% clay; medium plasticity.	5.5	

WELL LOG (PID) I:\IRIG-CHARS\6291-1629100-ENCINAL_B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	SV-4
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	09-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	10-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	5 to 5.2 fbg
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	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: 6 inches thick FILL: Silty SAND (SW): Pale olive (10Y 6/2); moist; 15% silt, 85% fine to coarse grained sand. SILT (ML): Grayish olive (10Y 4/2); moist; 10% fine grained sand, 90% silt, low plasticity. @ 2': Olive gray (5Y 3/2). @ 4': SILT 5% fine grained sand, 10% clay, 85% silt; medium plasticity.	0.5 1.0 5.5	<ul style="list-style-type: none"> Bentonite Seal 1/4" diam. Teflon Tubing 12" of Dry Granular Bentonite Monterey Sand #2/12 1" Polyethylene Vapor Probe Bottom of Boring @ 5.5 fbg

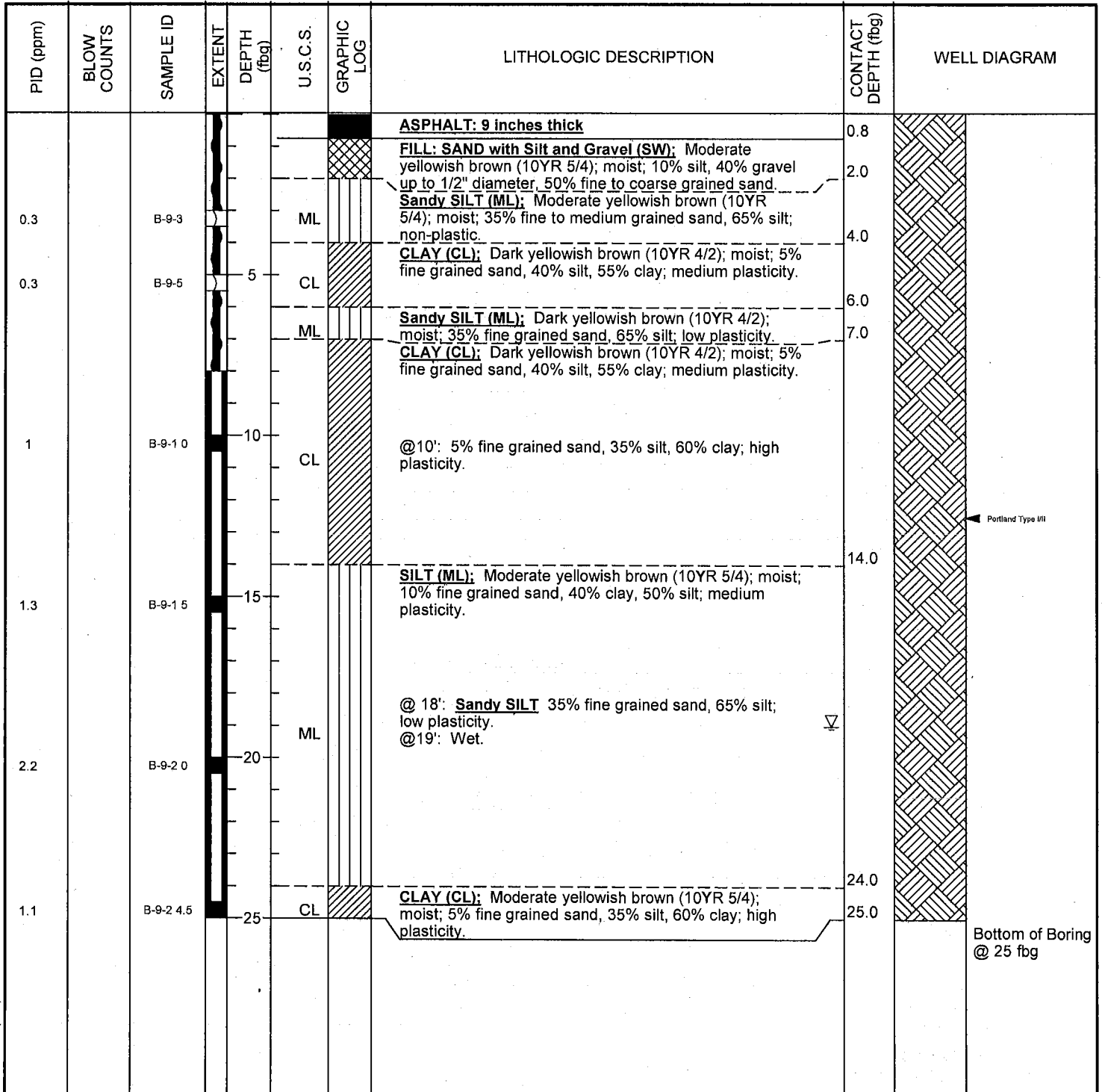
WELL LOG (PID), (VRIG-CHARS)6291-1629100-ENCINAL B-LOGS.GPJ, DEFAULT.GDT, 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-9
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	11-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	11-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2.5"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	19.00 fbg (11-Feb-10) ▽
REVIEWED BY	E. Syrstad, PG 8652	DEPTH TO WATER (Static)	NA ▼
REMARKS			



WELL LOG (PID) I:\IRIG-CHARS\6291-1629100-ENCINAL_B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-10
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	11-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	11-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2.5"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	19.00 fbg
REVIEWED BY	E. Syrstad, PG 8652	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: 9 inches thick	0.8	
1		B-10-3		ML		FILL: SAND with Clay and Silt (SW); Moderate yellowish brown (10YR 5/4); moist; 10% clay, 10% silt, 80% fine to coarse grained sand.	2.0	
						SILT with Sand (ML); Olive gray (5Y 3/2); moist; 5% clay, 20% fine grained sand, 75% silt; non-plastic.	4.0	
0.9		B-10-5	5	CL		CLAY (CL); Olive gray (5Y 3/2); moist; 40% silt, 60% clay; medium plasticity.	7.0	
						Sandy SILT (ML); Olive gray (5Y 3/2); moist; 40% fine grained sand, 60% silt; non-plastic.	9.0	
3		B-10-9.5	10	CL		CLAY (CL); Olive gray (5Y 3/2); moist; 5% fine grained sand, 20% silt, 75% clay; high plasticity.	18.0	
						@ 15': Pale yellowish brown (10YR 6/2); 5% fine grained sand, 40% silt, 55% clay; medium plasticity.		
0.8		B-10-15	15	CL		Sandy SILT (ML); Pale yellowish brown (10YR 6/2); moist; 15% clay, 30% fine grained sand, 55% silt; low plasticity.	19.00	
						@ 19': Sandy SILT Moderate yellowish brown (10YR 5/4); wet; 40% fine to medium grained sand, 60% silt; non-plastic.		
0.8		B-10-20	20	ML		@ 20': SILT; Moist; 10% fine grained sand, 90% silt; low plasticity.		
						@ 24': SILT; 10% clay, 10% fine grained sand, 80% silt; low plasticity.	25.0	
0.3		B-10-24.5	25					Bottom of Boring @ 25 fbg

WELL LOG (PID) I:\RIG-CHARS\6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-11
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	10-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	10-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2.5"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	9.00 fbg (10-Feb-10)
REVIEWED BY	E. Syrstad, PG 8652	DEPTH TO WATER (Static)	NA
REMARKS	Located in sanitary sewer trench.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
			0.8			ASPHALT: 9 inches thick	0.8	
3.5		B-11-3	2.5	CL		FILL: SAND with Silt (SW): Grayish green (5G 5/2); moist; 10% silt, 10% gravel up to 1/2" diameter, 80% fine to coarse grained sand. CLAY (CL): Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% silt, 85% clay; high plasticity.	2.5	
5.4		B-11-5	5.0			SILT (ML): Olive gray (5Y 3/2); moist; 5% fine grained sand, 35% clay, 60% silt; medium plasticity.	5.0	
3.6		B-11-8		ML		@ 7': Sandy SILT: 10% clay, 30% fine grained sand, 60% silt; low plasticity. @ 8': SILT: 5% fine grained sand, 35% clay, 60% silt; medium plasticity. @ 9': Wet.	9.00	
3.0		B-11-10	10.5	GW		GRAVEL with Silt (GW): Olive gray (5Y 3/2); wet; 10% clay, 10% silt, 10% fine to coarse grained sand, 70% gravel up to 1/2" diameter.	10.5	
			11.0				11.0	Bottom of Boring @ 11 fbg

WELL LOG (PID) [MIR6-CHARS]6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-12
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	11-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	11-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2.5"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	18.00 fbg (11-Feb-20)
REVIEWED BY	E. Syrstad, PG 8652	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: 9 inches thick	0.8	
0.6		B-12-3		ML		FILL: SAND with Silt and Gravel (SW): Moderate yellowish brown (10YR 5/4); moist; 10% silt, 40% gravel up to 1/2" diameter, 50% fine to coarse grained sand. @ 1': FILL: GRAVEL with Silt and Sand (GW): Moderate yellowish brown (10YR 5/4); moist; 10% clay, 10% silt, 30% fine to coarse grained sand, 50% gravel up to 1/2" diameter.	1.0 2.0	
0.7		B-12-5	5			SILT with Sand (ML): Olive gray (5Y 3/2); 20% fine grained sand, 80% silt; non-plastic. CLAY (CL): Olive gray (5Y 3/2); moist; 5% fine grained sand, 30% silt, 65% clay; high plasticity.	4.5	
0.8		B-12-10	10	CL		@ 10': 5% fine grained sand, 20% silt, 75% clay.		
0.6		B-12-15	15			@ 13': Gravelly CLAY: Moderate yellowish brown (10YR 5/4); 10% fine to coarse grained sand, 25% gravel up to 1/2" diameter, 65% clay; low to medium plasticity. SILT with Sand (ML): Moderate yellowish brown (10YR 5/4); moist; 10% clay, 15% fine grained sand, 75% silt; low plasticity. @ 15': 15% fine grained sand, 20% clay, 65% silt.	14.0	Portland Type III
0.7		B-12-20	20	ML		@ 18': Sandy SILT Wet; 40% fine grained sand, 60% silt.		
0.5		B-12-24.5	25			@ 21': SILT; Moist to wet; 5% clay, 10% fine grained sand, 85% silt.	25.0	Bottom of Boring @ 25 fbg

WELL LOG (PID) [NIR6-CHARS]6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-13
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	10-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	10-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	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: 9 inches thick	0.8	
						FILL: SAND with Silt (SW): Grayish green (5G 5/2); moist; 10% silt, 90% fine to coarse grained sand. @ 1': 10% silt, 10% gravel up to 1/2" diameter, 80% fine to coarse grained sand.	2.5	
				CL		CLAY (CL): Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% silt, 85% clay; high plasticity.	4.0	

WELL LOG (PID) \\VIRIG-CHARS\6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-13A
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	10-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	10-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	DEPTH TO WATER (Static)	NA
REMARKS	Step out boring		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT: 9 inches thick	0.8	<p>Portland Type III</p> <p>Bottom of Boring @ 8 fbg</p>
12.3		B-13A-3					FILL: SAND with Silt (SW); Grayish green (5G 5/2); moist; 10% silt, 10% gravel up to 1" diameter, 80% fine to coarse grained sand.	2.5	
15.3		B-13A-5		5	CL		CLAY (CL); Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% silt, 85% clay; high plasticity; small wood fragments.		
							@ 5': 5% fine grained sand, 35% silt, 60% clay.		
7.7		B-13A-7			ML		SILT (ML); Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% clay, 85% silt; low plasticity.	7.0	
							Refusal at 8'.	8.0	

WELL LOG (PID) I:\RIG-CHARS\6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-13B
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	10-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	10-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	E. Syrstad, PG 8652	DEPTH TO WATER (Static)	NA
REMARKS	Step out boring		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.8			ASPHALT: 9 inches thick	0.8	
				2.5			FILL: SAND with Silt (SW): Grayish green (5G 5/2); moist; 10% silt, 10% gravel up to 1" diameter, 80% fine to coarse grained sand.	2.5	
				5	CL		CLAY (CL): Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% silt, 85% clay; high plasticity; small wood fragments. @ 5': 5% fine grained sand, 35% silt, 60% clay.	7.0	
				7.0	ML		SILT (ML): Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% clay, 85% silt; low plasticity.	9.0	
				9.0			Refusal at 9'.	9.0	Bottom of Boring @ 9 fbg

WELL LOG (PID) \NIR6-CHARS6291-1629100-ENCINAL_B-LOGS.GPJ DEFAULT.GDT 5/12/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	B-13C
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	12-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	12-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	9.00 fbg
REVIEWED BY	E. Syrstad, PG 8652	DEPTH TO WATER (Static)	NA
REMARKS	Step out boring		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
			0.0 - 0.8			ASPHALT: 9 inches thick	0.8	
			0.8 - 2.5			FILL: SAND with Silt (SW): Grayish green (5G 5/2); moist; 10% silt, 10% gravel up to 1" diameter, 80% fine to coarse grained sand.	2.5	
			2.5 - 7.0	CL		CLAY (CL): Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% silt, 85% clay; high plasticity; small wood fragments. @ 5': 5% fine grained sand, 35% silt, 60% clay.	7.0	
			7.0 - 12.0	ML		SILT (ML): Olive gray (5Y 3/2); moist; 5% fine grained sand, 10% clay, 85% silt; low plasticity. @ 9': Wet. @ 10': 5% fine grained sand, 10% gravel up to 1/2" diameter, 15% clay, 70% silt; low plasticity.	12.0	
		B-13C -11.5						

WELL LOG (PID) I:\R16-CHARS\6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 6/15/10



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BORING / WELL LOG

CLIENT NAME	George Jaber	BORING/WELL NAME	MW-4
JOB/SITE NAME	Encinal Properties/Former Olympic Station	DRILLING STARTED	09-Feb-10
LOCATION	1436 Grant Avenue, San Lorenzo, CA	DRILLING COMPLETED	09-Feb-10
PROJECT NUMBER	629100	WELL DEVELOPMENT DATE (YIELD)	16-Feb-10
DRILLER	Vapor-Tech Services, C-57 # 916085	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand Auger / Air Knife	TOP OF CASING ELEVATION	15.15 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	5 to 10 fbg
LOGGED BY	B. Fong	DEPTH TO WATER (First Encountered)	8.00 fbg (09-Feb-10) ▼
REVIEWED BY	E. Syrstad, PG 8652	DEPTH TO WATER (Static)	6.2 fbg (16-Feb-10) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
89		MW-4-3				ASPHALT: 3 inches thick FILL: SAND (SW): Moderate yellowish brown (10YR 5/4); moist; 5% gravel, 95% fine to medium grained sand. @ 2': Olive gray (5Y 3/2).	0.4	<p>Portland Type III Bentonite Seal Monterey Sand #2/12 4"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 10 fbg</p>
168		MW-4-5	5	ML CL	SILT (ML): Olive gray (5Y 3/2); moist; 5% fine grained sand, 15% clay, 80% silt; low plasticity. CLAY (CL): Olive gray (5Y 3/2); moist; 5% fine grained sand, 45% silt, 50% clay; medium plasticity.	4.0 5.0		
221		MW-4-8		ML CL	SILT (ML): Olive gray (5Y 3/2); moist; 5% fine grained sand, 15% clay, 80% silt; low plasticity. CLAY (CL): Olive gray (5Y 3/2); wet; 5% fine grained sand, 35% silt, 60% clay; high plasticity.	7.0 8.0		
			10			10.0		

WELL LOG (PID) I:\IRIG-CHARS\6291-1629100-ENCINAL B-LOGS.GPJ DEFAULT.GDT 5/12/10

APPENDIX D

PERMITS

Work Order Number:* 80001

Permit Number: R10LD10598

*This WO is ___ / is not open for charges.

Permit Issuance Date: 1-20-10

Permit Expiration Date: 1-19-11

COUNTY OF ALAMEDA PUBLIC WORKS AGENCY ROADWAY ENCROACHMENT PERMIT

This Permit is issued in accordance with Chapter 12.08 of the Alameda County General Ordinance Code

Name & Address of Property Owner:

Frieda Jaber (deceased)
Phil Jaber (son)
2801 Encinal Ave, Alameda, CA
Phone Number: 510-523-4821

Job Site Address:

1436 Grant Ave
San Lorenzo, CA 94580

(This statement to be completed by the Agency)

This permit is issued to the owner ___ / contractor ;
if "owner" is checked, he/she is ___ / is not ___ exempt
from the requirement that work in the roadway be
performed by a licensed contractor.

Name & Address of Contractor:

Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
Phone Number: 510-420-0700

The Applicant intends to perform the following work scope:

Drill five (5) soil borings on Grant Ave, between Channel St & Via Seco St. Collect
soil and groundwater samples from each boring location. Traffic control plans
attached.

Licensed Contractor Declaration:

I hereby affirm, under penalty of perjury, that I hold the following contractor's license, which is in full force and effect, under the applicable provisions of the State Business and Professions Code.

A-General Engineering Contractor
License Class and No. 855376
Contractor's Signature: _____

Worker's Compensation Insurance Declaration:

I hereby affirm, under penalty of perjury, that I will, during the performance of any and all work authorized by this permit, satisfy the requirements of the State Labor Code with regard to Worker's Compensation Insurance, as declared below:

___ I will maintain a certificate of consent to self-insure.

___ I will maintain the following insurance policy:

Carrier's Name and Policy No.:

Acord WC 004-80-0797

___ I will not employ any person in any manner so as to become subject to the worker's compensation laws of the State.

Owner's/Contractor's Signature: _____

All work and/or access shall be performed in accordance with the requirements of Chapter 12.08 and, unless otherwise specified below, shall be fully compliant with each of the terms and conditions of the attached General Provisions:

CALL THIS NUMBER FOR INSPECTIONS: 510 670 6633

Bond Information:

BY: [Signature], Alameda County

Insp. Fee or Deposit ___: \$99

\$225

Work Completed (Date): _____

Inspector: _____

I certify that the information that I have entered into this permit application is correct, and I agree to comply with all of the terms and conditions and other requirements of the issued Permit.

[Signature]
Signature of Applicant

1/14/2010
Date

THIS PERMIT IS INCOMPLETE WITHOUT THE ATTACHED GENERAL PROVISIONS

PROGRAMS AND SERVICES

Well Standards Program

The Alameda County Public Works Agency, Water Resources is located at:

399 Elmhurst Street

Hayward, CA 94544

For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org

For Drilling Permit information and process contact [James Yoo](mailto:James.Yoo@acpwa.org) at

Phone: 510-670-6633

FAX: 510-782-1939

Email: Jamesy@acpwa.org

Alameda County Public Works is the administering agency of [General Ordinance Code, Chapter 6.88](#) . The purpose of this chapter is to provide for the regulation of groundwater wells and exploratory holes as required by [California Water Code](#). The provisions of these laws are administered and enforced by Alameda County Public Works Agency through its Well Standards Program.

Drilling Permit Jurisdictions in Alameda County: There are four jurisdictions in Alameda County.

Location: Agency with Jurisdiction Contact Number

Berkeley City of Berkeley Ph: 510-981-7460

Fax: 510-540-5672

Fremont, Newark, Union City Alameda County Water District Ph: 510-668-4460

Fax: 510-651-1760

Pleasanton, Dublin, Livermore, Sunol [Zone 7 Water Agency](#) Ph: 925-454-5000

Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of **Oakland, Alameda, Piedmont, Emeryville, Albany, San Leandro, San Lorenzo, Castro Valley, and Hayward** . The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

Permits are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed [permit application \(30 Kb\)*](#) , along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

Fees

Beginning April 11, 2005 , the following fees shall apply:

A permit to construct, rehabilitate, or destroy wells, including cathodic protection wells, but excluding dewatering wells (*Horizontal hillside dewatering and dewatering for construction period only), shall cost \$300.00 per well.

A permit to bore exploratory holes, including temporary test wells, shall cost \$200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: **Treasurer, County of Alameda**

Permit Fees are exempt to State & Federal Projects

Applicants shall submit a letter from the agency requesting the fee exemption.

Scheduling Work/Inspections:

Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **James Yoo at 510-670-6633** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when Inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

Request for Permit Extension:

Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

Cancel a Drilling Permit:

Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

Refunds/Service Charge:

A service charge of \$25.00 dollars for the first check returned and \$35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of \$50.00 (fifty Dollars).

To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed \$500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is \$1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors. The forms to request for refunds under \$500.00 (Five Hundred Dollars) are available at this office or any County Offices. If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.

Enforcement

Penalty. Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars (\$500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such

violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

Enforcement actions will be determined by this office on a case-by-case basis

Drilling without a permit shall be the cost of the permit(s) and a fine of \$500.00 (Five Hundred Dollars).

Well Completion Reports (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies.

See our website (www.acgov.org/pwa/wells/index.shtml) for links to additional forms.

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 12/17/2009 By jamesy

Permit Numbers: W2009-1118 to W2009-1123
Permits Valid from 02/09/2010 to 02/12/2010

Application Id: 1260380090693
Site Location: 1436 Grant Avenue, San Lorenzo, CA
Project Start Date: 01/11/2010
Extension Start Date: 02/09/2010
Extension Count: 1

City of Project Site: San Lorenzo
Completion Date: 01/15/2010
Extension End Date: 02/12/2010
Extended By: vickyh1

Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: Conestoga-Rovers & Associates - Bryan Fong
5900 Hollis St., Ste. A, Emeryville, CA 94608
Property Owner: Frieda and Phil Jaber
2801 Encinal Avenue, Alameda, CA 94501
Client: ** same as Property Owner **

Phone: 510-420-0700

Phone: 510-523-4821

Receipt Number: WR2009-0450 Total Due: \$2250.00
Total Amount Paid: \$2250.00
Payer Name : Conestoga-Rovers & Associates Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Geotechnical Study/CPT's - 5 Boreholes
Driller: Vapor Tech - Lic #: 916085 - Method: auger

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-1118	12/17/2009	04/11/2010	5	3.00 in.	25.00 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.
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. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an 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.

Alameda County Public Works Agency - Water Resources Well Permit

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@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.

6. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

7. 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.

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

Well Construction-Vapor Monitoring Well-Vapor Monitoring Well - 5 Wells

Driller: Vapor Tech - Lic #: 916085 - Method: auger

Work Total: \$1985.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2009-1119	12/17/2009	04/11/2010	MW-4	10.00 in.	4.00 in.	3.00 ft	10.00 ft
W2009-1120	12/17/2009	04/11/2010	SV-1	3.50 in.	0.25 in.	4.50 ft	5.50 ft
W2009-1121	12/17/2009	04/11/2010	SV-2	3.50 in.	0.25 in.	4.50 ft	5.50 ft
W2009-1122	12/17/2009	04/11/2010	SV-3	3.50 in.	0.25 in.	4.50 ft	5.50 ft
W2009-1123	12/17/2009	04/11/2010	SV-4	3.50 in.	0.25 in.	4.50 ft	5.60 ft

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

Alameda County Public Works Agency - Water Resources Well Permit

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@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.
 6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 7. Minimum surface seal thickness is two inches of cement grout placed by tremie
 8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 9. 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.
-

APPENDIX E
LABORATORY ANALYTICAL REPORTS

**McC Campbell 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 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/09/10-12/11/10
		Date Received: 02/16/10
	Client Contact: Eric Syrstad	Date Reported: 02/23/10
	Client P.O.:	Date Completed: 02/23/10

WorkOrder: 1002396

February 23, 2010

Dear Eric:

Enclosed within are:

- 1) The results of the 34 analyzed samples from your project: #629100; Encinal Properties,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

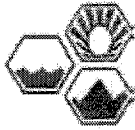
All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell 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

1002590

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: *Eric Syrotad* Bill To: *CRA*
 Company: *Conestoga-Rovers & Associates*
 ce: *Blang@CRAworld.com* E-Mail: *ESyrotad@CRAworld.com*
 Tele: *(510) 420-0700* Fax: *(510) 420-9170*
 Project #: *629100* Project Name: *Ecinal Properties*
 Project Location: *1436 Grant Ave, San Lorenzo, CA*
 Sampler Signature: *Bryan A. Gray*

Analysis Request Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED			Analysis Request	Other	Comments	
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃				Other
MW-4-3		2/9/10	10:00	1	cube	X					X			X			Filter Samples for Metals analysis: Yes / No Naphthalene by 82.60
MW-4-5			10:13	1	cube	X					X			X			
MW-4-8			10:30	1	cube	X					X			X			

Relinquished By: *Bryan A. Gray* Date: *2/9/10* Time: *10:30* Received By: *Emeryville Office*
 Relinquished By: *[Signature]* Date: *2/10/10* Time: *3:45* Received By: *[Signature]*
 Relinquished By: *[Signature]* Date: *2/16/10* Time: *3:45* Received By: *[Signature]*

ICE/ *See* COMMENTS:
 GOOD CONDITION
 HEAD SPACE ABSENT
 DECHLORINATED IN LAB
 APPROPRIATE CONTAINERS
 PRESERVED IN LAB
 PRESERVATION VOAS O&G METALS OTHER
 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)

Report To: Eric Syrtstad Bill To: CRA
Company: Conslaga-Rovers & Associates
CC: Blong@CRAworld.com E-Mail: ESyrtstad@CRAworld.com
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 629100 Project Name: Essential Properties
Project Location: 1436 Grant Ave, San Lorenzo, CA
Sampler Signature: Bryce G. [Signature]

Analysis Request Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				TPH as Gas (602 / 8021 + 8015) MURE / BTEX ONLY (EPA 602 / 8021) TPH as Diesel (6015) Total Petroleum Oil & Grease (1664 / 5520 E/BAK/F) Total Petroleum Hydrocarbons (418.1) EPA 502.2 / 601 / 8010 / 8021 (HVOCs) EPA 505.0/8 / 8081 (CI Pesticides) EPA 608 / 8082 PCBs ONLY; Aroclors / Congeners EPA 507 / 8141 (NP Pesticides) EPA 815 / 8151 (Aerial CI 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)	Filter Samples for Metals analysis: Yes / No	
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other			
B-13A-3		2/10/10	11:07	1	hbc	X					X					X	
B-13A-5			11:16	1	hbc	X					X					X	
B-13A-7			11:43	1	hbc	X					X					X	
B-11-3			13:15	1	hbc	X					X					X	
B-11-5			13:24	1	hbc	X					X					X	
B-11-B			13:52	1	hbc	X					X					X	
B-11-10			14:00	1	hbc	X					X					X	
B-11			14:30	2	NDA	X					X	X				X	
B-11			14:30	2	NDA	X					X	X				X	
B-11			14:30	1	hbc	X					X	X				X	

Relinquished By: [Signature] Date: 2/10/10 Time: 18:00 Received By: Emergentis [Signature]
Relinquished By: [Signature] Date: 2/10/10 Time: 12:11 Received By: [Signature]
Relinquished By: [Signature] Date: 2/10/10 Time: 3:45 Received By: [Signature]

ICE/P
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
VOAS O&G METALS OTHER
PRESERVATION pH<2

Filter Samples for Metals analysis: Yes / No
BTEX, MTBE, TAME, STMS, EDB, DIBP, TBA, Ethanol, 1,1-DCA by 8260
Naphthalene by 8260

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)

Report To: *Eric Syrtstad*

Bill To: *CRA*

Company: *Conestoga - Rivers & Associates*

CC: *BLong@CRAworld.com*

E-Mail: *ESyrtstad@CRAworld.com*

Tele: *(510) 420-0700*

Fax: *(510) 420-9170*

Project #: *629100*

Project Name: *Enriched Properties*

Project Location: *1436 Great Ave, San Lorenzo, CA*

Sampler Signature: *Bryan La...*

Analysis Request

Other

Comments

TPH as Gas (602 / 6021 + 8015)
MTBE / BTEX ONLY (EPA 602 / 8021)
TPH as Diesel (8015)
Total Petroleum Oil & Grease (1664 / 5820 E/B&F)
Total Petroleum Hydrocarbons (HLS-1)
EPA 502.2 / 601 / 8010 / 8931 (H/VOCs)
EPA 505 / 608 / 8081 (CI Pesticides)
EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners
EPA 507 / 8141 (NP Pesticides)
EPA 515 / 8151 (Acidic CI Herbicides)
EPA 524.2 / 624 / 8260 (VOCs)
EPA 525.2 / 625 / 8270 (SVOCs)
EPA 8270 SIM / 8310 (PAHs / PNA's)
CAMEL Metals (200.7 / 200.8 / 6010 / 6020)
LAUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)
Lead (200.7 / 200.8 / 6010 / 6020)

Filter Samples for Metals analysis: Yes / No
BTEX, PHAS, TAME, STOS, EOB, BIPB, TBA, Ethanol, 1,1-DCE by 8260
Naphthalene by 8260

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED							
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other				
B-10-24.5		2/11/10	14:00	1	Label	X					X	X						
B-10			14:30	2	VOA	X					X	X						
B-10			14:30	2	VOA	X					X	X						
B-10			14:30	1	Label	X					X	X						
B-9-3			15:55	1	Label		X				X	X						
B-9-5			16:02	1	Label		X				X	X						
B-9-10			16:29	1	Label		X				X	X						
B-9-15			16:37	1	Label		X				X	X						
B-9-20			16:42	1	Label		X				X	X						
B-9-24.5			16:51	1	Label		X				X	X						
B-9			17:12	2	VOA	X					X	X						
B-9			17:12	2	VOA	X					X	X						
B-9			17:12	1	Label	X					X	X						

Relinquished By: <i>Bryan La...</i>	Date: <i>2/11/10</i>	Time: <i>19:05</i>	Received By: <i>Emmitt Olm...</i>
Relinquished By: <i>[Signature]</i>	Date: <i>[Signature]</i>	Time: <i>[Signature]</i>	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Date: <i>2/10/10</i>	Time: <i>3:45</i>	Received By: <i>[Signature]</i>

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

COMMENTS:

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)

Report To: Eric Syrotad Bill To: CRA
Company: Conisloga-Rovers & Associates
CC: Bforq@CRAworld.com E-Mail: ESyrotad@CRAworld.com
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 629100 Project Name: Encinal Properties
Project Location: 1436 Great Ave, San Lorenzo, CA
Sampler Signature: [Signature]

Analysis Request

Other

Comments

TPH as Gas (602 / 8021 + 8015)	<input checked="" type="checkbox"/>
MTBE / BYEX ONLY (EPA 602 / 8021)	<input checked="" type="checkbox"/>
TPH as Diesel (8015)	<input type="checkbox"/>
Total Petroleum Oil & Grease (1664 / 5520 EPA&F)	<input type="checkbox"/>
Total Petroleum Hydrocarbons (418.1)	<input type="checkbox"/>
EPA 502.2 / 691 / 8010 / 8021 (TVOCs)	<input type="checkbox"/>
EPA 505 / 608 / 8081 (CI Pesticides)	<input type="checkbox"/>
EPA 608 / 8082 PCBs ONLY, Aroclors / Congeners	<input type="checkbox"/>
EPA 507 / 8141 (NP Pesticides)	<input type="checkbox"/>
EPA 515 / 8151 (Acidic CI Herbicides)	<input type="checkbox"/>
EPA 524.2 / 624 / 8260 (VOCs)	<input type="checkbox"/>
EPA 525.2 / 625 / 8270 (SVOCs)	<input type="checkbox"/>
EPA 8270 SIM / 8310 (PAHs / PNAs)	<input type="checkbox"/>
CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	<input type="checkbox"/>
LAFT 8 Metals (200.7 / 200.8 / 6010 / 6020)	<input type="checkbox"/>
Lead (200.7 / 200.8 / 6010 / 6020)	<input type="checkbox"/>
ByEx, MTBE, TAME, ETBE, C8s, D15E, TBA, Ethanol, 1,1-DCA by 8240	<input checked="" type="checkbox"/>
Naphthalene by 8260	<input checked="" type="checkbox"/>

Filter Samples for Metals analysis: Yes / No

SAMPLE ID	LOCATION/Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED								
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other					
B-13C-11.5		2/12/10		1	Jaboc	X					X								
B-13C				2	VOA	X					X	X							
B-13C				2	VOA	X					X	X							
B-13C				1	Jaboc	X					X	X							

+15

Relinquished By: <u>[Signature]</u>	Date: <u>2/12/10</u>	Time: <u>15:30</u>	Received By: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u>	Date: <u>2/16/10</u>	Time: <u>12:11</u>	Received By: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u>	Date: <u>3/16/10</u>	Time: <u>3:45</u>	Received By: <u>[Signature]</u>

ICE# _____ COMMENTS: _____
 GOOD CONDITION _____
 HEAD SPACE ABSENT _____
 DECHLORINATED IN LAB _____
 APPROPRIATE CONTAINERS _____
 PRESERVED IN LAB _____
 VOAS O&G METALS OTHER
 PRESERVATION pH<2

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002396

ClientCode: CETE

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:
Eric Syrstad
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX (510) 420-9170

Email: esyrstad@croworld.com
cc:
PO:
ProjectNo: #629100; Encinal Properties

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

Requested TAT: 5 days

Date Received: 02/16/2010
Date Printed: 02/17/2010

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	
1002396-001	MW-4-3	Soil	2/9/2010 10:00	<input type="checkbox"/>	A		A		A								
1002396-002	MW-4-5	Soil	2/9/2010 10:13	<input type="checkbox"/>	A		A										
1002396-003	MW-4-8	Soil	2/9/2010 10:30	<input type="checkbox"/>	A		A										
1002396-004	B-13A-3	Soil	2/10/2010 11:07	<input type="checkbox"/>	A		A										
1002396-005	B-13A-5	Soil	2/10/2010 11:16	<input type="checkbox"/>	A		A										
1002396-006	B-13A-7	Soil	2/10/2010 11:43	<input type="checkbox"/>	A		A										
1002396-007	B-11-3	Soil	2/10/2010 13:15	<input type="checkbox"/>	A		A										
1002396-008	B-11-5	Soil	2/10/2010 13:24	<input type="checkbox"/>	A		A										
1002396-009	B-11-8	Soil	2/10/2010 13:52	<input type="checkbox"/>	A		A										
1002396-010	B-11-10	Soil	2/10/2010 14:00	<input type="checkbox"/>	A		A										
1002396-011	B-11	Water	2/10/2010 14:30	<input type="checkbox"/>		A		B									
1002396-012	B-12-3	Soil	12/11/2010 9:36	<input type="checkbox"/>	A		A										
1002396-013	B-12-5	Soil	12/11/2010 9:45	<input type="checkbox"/>	A		A										
1002396-014	B-12-10	Soil	12/11/2010 10:00	<input type="checkbox"/>	A		A										

Test Legend:

1	G-MBTEX S	2	G-MBTEX W	3	MBTEXOXY-8260B S	4	MBTEXOXY-8260B W	5	PREFD REPORT
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A, 021A, 022A, 023A, 024A, 025A, 026A, 027A, 028A, 029A, 030A, 031A, 032A, 033A, 034A contain testgroup.

Prepared by: Melissa Valles

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.

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002396

ClientCode: CETE

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Eric Syrstad
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX (510) 420-9170

Email: esyrstad@craworld.com
cc:
PO:
ProjectNo: #629100; Encinal Properties

Bill to:

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

Requested TAT: 5 days

Date Received: 02/16/2010

Date Printed: 02/17/2010

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	
1002396-015	B-12-15	Soil	12/11/2010 10:22	<input type="checkbox"/>	A		A										
1002396-016	B-12-20	Soil	12/11/2010 10:30	<input type="checkbox"/>	A		A										
1002396-017	B-12-24.5	Soil	12/11/2010 10:34	<input type="checkbox"/>	A		A										
1002396-018	B-12	Water	2/11/2010 10:55	<input type="checkbox"/>		A		B									
1002396-019	B-10-3	Soil	2/11/2010 12:22	<input type="checkbox"/>	A		A										
1002396-020	B-10-5	Soil	2/11/2010 12:30	<input type="checkbox"/>	A		A										
1002396-021	B-10-9.5	Soil	2/11/2010 13:22	<input type="checkbox"/>	A		A										
1002396-022	B-10-15	Soil	2/11/2010 13:40	<input type="checkbox"/>	A		A										
1002396-023	B-10-20	Soil	2/11/2010 13:50	<input type="checkbox"/>	A		A										
1002396-024	B-10-24.5	Soil	2/11/2010 14:00	<input type="checkbox"/>	A		A										
1002396-025	B-10	Water	2/11/2010 14:30	<input type="checkbox"/>		A		B									
1002396-026	B-9-3	Soil	2/11/2010 15:55	<input type="checkbox"/>	A		A										
1002396-027	B-9-5	Soil	2/11/2010 16:02	<input type="checkbox"/>	A		A										
1002396-028	B-9-10	Soil	2/11/2010 16:24	<input type="checkbox"/>	A		A										

Test Legend:

1	G-MBTEX S	2	G-MBTEX W	3	MBTEXOXY-8260B S	4	MBTEXOXY-8260B W	5	PREFD REPORT
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A, 021A, 022A, 023A, 024A, 025A, 026A, 027A, 028A, 029A, 030A, 031A, 032A, 033A, 034A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
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WorkOrder: 1002396

ClientCode: CETE

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:

Eric Syrstad
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Email: esyrstad@croworld.com
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ProjectNo: #629100; Encinal Properties

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Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 02/16/2010
Date Printed: 02/17/2010

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	
1002396-029	B-9-15	Soil	2/11/2010 16:37	<input type="checkbox"/>	A		A										
1002396-030	B-9-20	Soil	2/11/2010 16:42	<input type="checkbox"/>	A		A										
1002396-031	B-9-24.5	Soil	2/11/2010 16:51	<input type="checkbox"/>	A		A										
1002396-032	B-9	Water	2/11/2010 17:12	<input type="checkbox"/>		A		B									
1002396-033	B-13C-11.5	Soil	2/12/2010	<input type="checkbox"/>	A		A										
1002396-034	B-13C	Water	2/12/2010	<input type="checkbox"/>		A		B									

Test Legend:

1	G-MBTEX S	2	G-MBTEX W	3	MBTEXOXY-8260B S	4	MBTEXOXY-8260B W	5	PREF REPORT
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A, 021A, 022A, 023A, 024A, 025A, 026A, 027A, 028A, 029A, 030A, 031A, 032A, 033A, 034A contain testgroup.

Prepared by: Melissa Valles

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.



Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **2/16/2010 8:08:12 PM**

Project Name: **#629100; Encinal Properties**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1002396** 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: 5.4°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: Received a sample labelled SB22-15 and no sample labelled SB12-15. It had the time of 10:22 so I assumed that was SB12-15.



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

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/09/10-12/11/10
	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10-02/20/10
		Date Analyzed 02/17/10-02/20/10

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

Extraction method SW5030B

Analytical methods SW8015Bm

Work Order: 1002396

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	MW-4-3	S	160	10	90	d7,d9
002A	MW-4-5	S	360	100	---#	d7
003A	MW-4-8	S	270	10	116	d7,d9
004A	B-13A-3	S	ND	1	96	
005A	B-13A-5	S	ND	1	90	
006A	B-13A-7	S	3.3	1	89	d1
007A	B-11-3	S	ND	1	89	
008A	B-11-5	S	ND	1	86	
009A	B-11-8	S	ND	1	90	
010A	B-11-10	S	ND	1	91	
011A	B-11	W	130	1	103	d7,b6,b1
012A	B-12-3	S	ND	1	91	
013A	B-12-5	S	ND	1	90	
014A	B-12-10	S	ND	1	86	
015A	B-12-15	S	ND	1	92	
016A	B-12-20	S	ND	1	85	

Reporting Limit for DF =1;
ND means not detected at or
above the reporting limit

W

50

µg/L

S

1.0

mg/Kg

* 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.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell 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
- d1) weakly modified or unmodified gasoline is significant
- d2) heavier gasoline range compounds are significant (aged gasoline?)
- d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
- d9) no recognizable pattern

AR



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/09/10-12/11/10
	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10-02/20/10
		Date Analyzed 02/17/10-02/20/10

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

Extraction method SW5030B

Analytical methods SW8015Bm

Work Order: 1002396

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
017A	B-12-24.5	S	ND	1	93	
018A	B-12	W	ND	1	101	b1
019A	B-10-3	S	ND	1	90	
020A	B-10-5	S	ND	1	82	
021A	B-10-9.5	S	ND	1	86	
022A	B-10-15	S	ND	1	90	
023A	B-10-20	S	ND	1	90	
024A	B-10-24.5	S	ND	1	96	
025A	B-10	W	ND	1	100	b1
026A	B-9-3	S	ND	1	86	
027A	B-9-5	S	ND	1	82	
028A	B-9-10	S	ND	1	87	
029A	B-9-15	S	ND	1	95	
030A	B-9-20	S	ND	1	89	
031A	B-9-24.5	S	ND	1	92	
032A	B-9	W	ND	1	103	b1

Reporting Limit for DF =1;
ND means not detected at or
above the reporting limit

W

50

µg/L

S

1.0

mg/Kg

* 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.

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

- b1) aqueous sample that contains greater than ~1 vol. % sediment
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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/09/10-12/11/10
	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-001A	1002396-002A	1002396-003A	1002396-004A	Reporting Limit for DF =1	
Client ID	MW-4-3 ✓	MW-4-5 ✓	MW-4-8 ✓	B-13A-3		
Matrix	S	S	S	S		
DF	10	20	10	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND<0.050	ND<0.10	ND<0.050	ND	0.005	NA
Benzene	ND<0.050	ND<0.10	ND<0.050	0.023	0.005	NA
t-Butyl alcohol (TBA)	ND<0.50	ND<1.0	ND<0.50	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND<0.040	ND<0.080	ND<0.040	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND<0.040	ND<0.080	ND<0.040	ND	0.004	NA
Diisopropyl ether (DIPE)	ND<0.050	ND<0.10	ND<0.050	ND	0.005	NA
Ethanol	ND<5.0	ND<10	ND<5.0	ND	0.5	NA
Ethylbenzene	ND<0.050	ND<0.10	0.70	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND<0.050	ND<0.10	ND<0.050	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.050	ND<0.10	0.20	ND	0.005	NA
Naphthalene	1.3	3.1	1.1	ND	0.005	NA
Toluene	ND<0.050	ND<0.10	ND<0.050	ND	0.005	NA
Xylenes	ND<0.050	ND<0.10	ND<0.050	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	112	122	113	111	
%SS2:	95	99	96	108	
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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608

Client Project ID: #629100; Encinal Properties

Client Contact: Eric Syrstad

Client P.O.:

Date Sampled: 02/09/10-12/11/10
Date Received: 02/16/10
Date Extracted: 02/16/10
Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-005A	1002396-006A	1002396-007A	1002396-008A	Reporting Limit for DF =1	
Client ID	B-13A-5	B-13A-7	B-11-3 ✓	B-11-5 ✓		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	0.005	NA
Benzene	0.0060	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	ND	0.5	NA
Ethylbenzene	0.010	0.016	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	0.011	0.021	ND	0.0078	0.005	NA

Surrogate Recoveries (%)

%SS1:	109	106	105	103
%SS2:	111	110	108	108

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.

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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/09/10-12/11/10
	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Analyzed: 02/17/10-02/20/10
		Date Extracted: 02/16/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-009A	1002396-010A	1002396-012A	1002396-013A	Reporting Limit for DF =1	
Client ID	B-11-8	B-11-10	B-12-3	B-12-5		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	0.005	NA
Benzene	ND	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	ND	0.5	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	108	106	104	102
%SS2:	105	105	104	105

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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



McC Campbell 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

Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608

Client Project ID: #629100; Encinal Properties
Client Contact: Eric Syrstad
Client P.O.:

Date Sampled: 02/09/10-12/11/10
Date Received: 02/16/10
Date Extracted: 02/16/10
Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1002396

Lab ID	1002396-014A	1002396-015A	1002396-016A	1002396-017A	Reporting Limit for DF =1	
Client ID	B-12-10 ✓	B-12-15 ✓	B-12-20 ✓	B-12-24.5 ✓		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	0.005	NA
Benzene	ND	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	ND	0.5	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	105	104	106	105
%SS2:	106	107	105	103

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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-019A	1002396-020A	1002396-021A	1002396-022A	Reporting Limit for DF =1	
Client ID	B-10-3	B-10-5	B-10-9.5	B-10-15		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	0.005	NA
Benzene	ND	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	ND	0.5	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	108	106	105	104
%SS2:	102	104	105	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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-023A	1002396-024A	1002396-026A	1002396-027A	Reporting Limit for DF =1	
Client ID	B-10-20 ✓	B-10-24.5 ✓	B-9-3 ✓	B-9-5		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	0.005	NA
Benzene	ND	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	ND	0.5	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	106	106	107	109
%SS2:	104	104	109	109

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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-028A	1002396-029A	1002396-030A	1002396-031A	Reporting Limit for DF =1	
Client ID	B-9-10 ✓	B-9-15 ✓	B-9-20 ✓	B-9-24.5 ✓		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	0.005	NA
Benzene	ND	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	ND	0.5	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	102	105	105	106
%SS2:	109	108	108	108

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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/09/10-12/11/10
	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed: 02/17/10-02/20/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-033A			Reporting Limit for DF =1	
Client ID	B-13C-11.5 /				
Matrix	S				
DF	1				S

Compound	Concentration				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND				0.005	NA
Benzene	ND				0.005	NA
t-Butyl alcohol (TBA)	ND				0.05	NA
1,2-Dibromoethane (EDB)	ND				0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND				0.004	NA
Diisopropyl ether (DIPE)	ND				0.005	NA
Ethanol	ND				0.5	NA
Ethylbenzene	ND				0.005	NA
Ethyl tert-butyl ether (ETBE)	ND				0.005	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA
Naphthalene	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

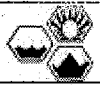
Surrogate Recoveries (%)

%SS1:	86			
%SS2:	95			
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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #629100; Encinal Properties	Date Sampled: 02/10/10-02/12/10
	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/19/10
		Date Analyzed: 02/19/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-011B	1002396-018B	1002396-025B	1002396-032B	Reporting Limit for DF =1	
Client ID	B-11 ✓	B-12 ✓	B-10 ✓	B-9 ✓		
Matrix	W	W	W	W		
DF	1	1	1	5		

Compound	Concentration				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND<2.5	NA	0.5
Benzene	0.69	ND	ND	ND<2.5	NA	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND<10	NA	2.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND<2.5	NA	0.5
Ethanol	ND	ND	ND	ND<250	NA	50
Ethylbenzene	ND	ND	ND	ND<2.5	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND<2.5	NA	0.5
Methyl-t-butyl ether (MTBE)	25	1.2	5.1	160	NA	0.5
Toluene	ND	ND	ND	ND<2.5	NA	0.5
Xylenes	ND	ND	ND	ND<2.5	NA	0.5

Surrogate Recoveries (%)

%SS1:	112	111	112	118	
%SS2:	114	113	114	98	
Comments	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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment



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	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/19/10
		Date Analyzed: 02/19/10

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002396

Lab ID	1002396-034B				Reporting Limit for DF =1
Client ID	B-13C				
Matrix	W				
DF	5				

Compound	Concentration				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<2.5				NA	0.5
Benzene	ND<2.5				NA	0.5
t-Butyl alcohol (TBA)	92				NA	2.0
1,2-Dibromoethane (EDB)	ND<2.5				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<2.5				NA	0.5
Diisopropyl ether (DIPE)	ND<2.5				NA	0.5
Ethanol	ND<250				NA	50
Ethylbenzene	ND<2.5				NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<2.5				NA	0.5
Methyl-t-butyl ether (MTBE)	92				NA	0.5
Toluene	ND<2.5				NA	0.5
Xylenes	ND<2.5				NA	0.5

Surrogate Recoveries (%)

%SS1:	118			
%SS2:	97			
Comments	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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment



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	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed 02/17/10-02/23/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C/SW3550C

Analytical methods: SW8015B

Work Order: 1002396

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1002396-001A	MW-4-3	S	530	1	115	e8/e1
1002396-002A	MW-4-5	S	1800	5	104	e1,e4
1002396-003A	MW-4-8	S	50	5	113	e2,e4
1002396-004A	B-13A-3	S	6.1	1	110	e7,e2
1002396-005A	B-13A-5	S	1.2	1	106	e2
1002396-006A	B-13A-7	S	2.8	1	112	e2
1002396-007A	B-11-3	S	2.1	1	115	e7,e2
1002396-008A	B-11-5	S	2.9	1	112	e7,e2
1002396-009A	B-11-8	S	ND	1	102	
1002396-010A	B-11-10	S	2.7	1	117	e7,e2
1002396-011A	B-11	W	3700	1	102	e7,e8,b1
1002396-012A	B-12-3	S	1.8	1	107	e2
1002396-013A	B-12-5	S	ND	1	111	
1002396-014A	B-12-10	S	ND	1	112	
1002396-015A	B-12-15	S	ND	1	109	

Reporting Limit for DF =1;
ND means not detected at or
above the reporting limit

W

50

µg/L

S

1.0

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell 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
- e4) gasoline range compounds are significant.
- e7) oil range compounds are significant
- e8) kerosene/kerosene range/jet fuel range; and/or e1) unmodified or weakly modified diesel is significant
- e11) stoddard solvent/mineral spirit (?); and/or e8) kerosene/kerosene range/jet fuel range



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	Client Contact: Eric Syrstad	Date Received: 02/16/10
	Client P.O.:	Date Extracted: 02/16/10
		Date Analyzed 02/17/10-02/23/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C/SW3550C

Analytical methods: SW8015B

Work Order: 1002396

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1002396-016A	B-12-20	S	ND	1	114	
1002396-017A	B-12-24.5	S	ND	1	110	
1002396-018A	B-12	W	ND	1	101	b1
1002396-019A	B-10-3	S	2.0	1	114	e2
1002396-020A	B-10-5	S	1.5	1	107	e2
1002396-021A	B-10-9.5	S	ND	1	112	
1002396-022A	B-10-15	S	ND	1	112	
1002396-023A	B-10-20	S	1.5	1	111	e2
1002396-024A	B-10-24.5	S	ND	1	112	
1002396-025A	B-10	W	ND	1	102	b1
1002396-026A	B-9-3	S	1.9	1	106	e7,e2
1002396-027A	B-9-5	S	ND	1	119	
1002396-028A	B-9-10	S	ND	1	109	
1002396-029A	B-9-15	S	ND	1	112	
1002396-030A	B-9-20	S	ND	1	113	

Reporting Limit for DF =1;
ND means not detected at or
above the reporting limit

W

50

µg/L

S

1.0

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell 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
- e4) gasoline range compounds are significant.
- e7) oil range compounds are significant
- e8) kerosene/kerosene range/jet fuel range; and/or e1) unmodified or weakly modified diesel is significant
- e11) stoddard solvent/mineral spirit (?); and/or e8) kerosene/kerosene range/jet fuel range



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48716

WorkOrder 1002396

Analyte	EPA Method SW8021B/8015Bm		Extraction SW5030B						Spiked Sample ID: 1002396-010A			
	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 _f)	ND	0.60	104	94	9.76	104	99.2	4.77	70 - 130	20	70 - 130	20
MTBE	ND	0.10	108	103	4.36	113	110	2.40	70 - 130	20	70 - 130	20
Benzene	ND	0.10	87.9	91.5	3.91	95	93.2	2.00	70 - 130	20	70 - 130	20
Toluene	ND	0.10	88.3	92	4.17	92.5	90.4	2.40	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	87.4	91.2	4.24	91.3	89.6	1.86	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	86.8	90.8	4.41	92.4	90	2.66	70 - 130	20	70 - 130	20
%SS:	91	0.10	98	97	0.751	100	96	4.69	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 48716 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002396-001A	02/09/10 10:00 AM	02/16/10	02/18/10 11:43 PM	1002396-002A	02/09/10 10:13 AM	02/16/10	02/18/10 7:31 AM
1002396-003A	02/09/10 10:30 AM	02/16/10	02/19/10 1:12 AM	1002396-004A	02/10/10 11:07 AM	02/16/10	02/19/10 11:03 PM
1002396-005A	02/10/10 11:16 AM	02/16/10	02/19/10 6:37 AM	1002396-006A	02/10/10 11:43 AM	02/16/10	02/19/10 7:06 AM
1002396-007A	02/10/10 1:15 PM	02/16/10	02/19/10 7:36 AM	1002396-008A	02/10/10 1:24 PM	02/16/10	02/19/10 8:06 AM
1002396-009A	02/10/10 1:52 PM	02/16/10	02/19/10 6:27 AM	1002396-010A	02/10/10 2:00 PM	02/16/10	02/18/10 7:21 AM
1002396-012A	12/11/10 9:36 AM	02/16/10	02/19/10 6:56 AM	1002396-013A	12/11/10 9:45 AM	02/16/10	02/18/10 6:51 AM
1002396-014A	12/11/10 10:00 AM	02/16/10	02/19/10 3:53 PM	1002396-015A	12/11/10 10:22 AM	02/16/10	02/19/10 8:26 AM
1002396-016A	12/11/10 10:30 AM	02/16/10	02/18/10 6:15 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.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48719

WorkOrder 1002396

Table with columns: EPA Method SW8021B/8015Bm, Extraction SW5030B, Spiked Sample ID: 1002396-020A, Analyte, Sample, Spiked, MS, MSD, MS-MSD, LCS, LCSD, LCS-LCSD, Acceptance Criteria (%).

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

BATCH 48719 SUMMARY

Summary table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed.

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).

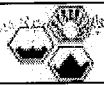
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48685

WorkOrder 1002396

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1002368-001A			
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
tert-Amyl methyl ether (TAME)	ND	0.050	73.8	80.5	8.68	74.6	75.3	1.02	70 - 130	30	70 - 130	30
Benzene	ND	0.050	92.9	100	7.56	95.4	97.1	1.80	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	85	90.6	6.34	84.3	81.1	3.84	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	101	113	11.5	101	101	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	88.7	97.2	9.11	89.1	88.5	0.653	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	86.1	93.7	8.49	87.1	87.9	0.957	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	86	93.8	8.63	86.6	87.8	1.34	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	81.7	88	7.44	82.1	81.8	0.390	70 - 130	30	70 - 130	30
Toluene	ND	0.050	102	110	8.35	101	103	1.99	70 - 130	30	70 - 130	30
%SS1:	107	0.13	108	110	1.06	110	107	2.60	70 - 130	30	70 - 130	30
%SS2:	106	0.13	107	108	0.754	107	107	0	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 48685 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002396-001A	02/09/10 10:00 AM	02/16/10	02/20/10 3:50 AM	1002396-002A	02/09/10 10:13 AM	02/16/10	02/18/10 4:24 PM
1002396-003A	02/09/10 10:30 AM	02/16/10	02/20/10 4:27 AM	1002396-004A	02/10/10 11:07 AM	02/16/10	02/18/10 3:48 PM
1002396-005A	02/10/10 11:16 AM	02/16/10	02/18/10 4:26 PM	1002396-006A	02/10/10 11:43 AM	02/16/10	02/18/10 5:05 PM
1002396-007A	02/10/10 1:15 PM	02/16/10	02/18/10 2:30 PM	1002396-008A	02/10/10 1:24 PM	02/16/10	02/18/10 3:09 PM
1002396-009A	02/10/10 1:52 PM	02/16/10	02/17/10 8:03 PM	1002396-010A	02/10/10 2:00 PM	02/16/10	02/17/10 5:45 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.
 Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 48715

WorkOrder 1002396

Analyte	Extraction SW5030B								Spiked Sample ID: 1002391-010B			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	86.3	88.4	2.39	84.3	87.8	4.07	70 - 130	30	70 - 130	30
Benzene	ND	10	106	103	2.53	98	97.8	0.213	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	84.2	82.8	1.68	77.7	98.4	23.5	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	104	106	1.91	83.8	91.3	8.56	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	106	103	2.13	93	95.4	2.57	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	117	118	0.490	123	125	1.89	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	96.1	96.4	0.313	101	105	4.15	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	95.8	98	2.18	87.8	94.4	7.14	70 - 130	30	70 - 130	30
Toluene	ND	10	100	99	1.27	87.9	87.9	0	70 - 130	30	70 - 130	30
%SS1:	109	25	106	108	1.90	114	116	1.79	70 - 130	30	70 - 130	30
%SS2:	113	25	113	113	0	100	101	0.642	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 48715 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002396-011B	02/10/10 2:30 PM	02/19/10	02/19/10 5:54 AM	1002396-018B	02/11/10 10:55 AM	02/19/10	02/19/10 6:37 AM
1002396-025B	02/11/10 2:30 PM	02/19/10	02/19/10 7:19 AM	1002396-032B	02/11/10 5:12 PM	02/19/10	02/19/10 1:52 PM
1002396-034B	02/12/10	02/19/10	02/19/10 2:30 PM				

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

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

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

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

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

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



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 48717

WorkOrder 1002396

Table with columns: EPA Method SW8021B/8015Bm, Extraction SW5030B, Spiked Sample ID: 1002391-010A, Analyte, Sample, Spiked, MS, MSD, MS-MSD, LCS, LCSD, LCS-LCSD, Acceptance Criteria (%).

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

BATCH 48717 SUMMARY

Table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed, Lab ID, Date Sampled, Date Extracted, Date Analyzed.

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.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48720

WorkOrder 1002396

Table with columns: EPA Method SW8260B, Extraction SW5030B, Spiked Sample ID: 1002396-030a, Analyte, Sample, Spiked, MS, MSD, MS-MSD, LCS, LCSD, LCS-LCSD, Acceptance Criteria (%).

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

BATCH 48720 SUMMARY

Table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed, Lab ID, Date Sampled, Date Extracted, Date Analyzed.

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).



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48722

WorkOrder 1002396

EPA Method SW8015B		Extraction SW3550C							Spiked Sample ID: 1002396-033A			
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)	8.0	40	115	116	0.948	96	96.1	0.0942	70 - 130	30	70 - 130	30
%SS:	107	25	111	113	1.74	91	91	0	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 48722 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002396-023A	02/11/10 1:50 PM	02/16/10	02/18/10 7:47 AM	1002396-024A	02/11/10 2:00 PM	02/16/10	02/18/10 8:56 AM
1002396-026A	02/11/10 3:55 PM	02/16/10	02/19/10 10:30 PM	1002396-027A	02/11/10 4:02 PM	02/16/10	02/19/10 4:46 AM
1002396-028A	02/11/10 4:24 PM	02/16/10	02/18/10 8:56 AM	1002396-029A	02/11/10 4:37 PM	02/16/10	02/18/10 10:05 AM
1002396-030A	02/11/10 4:42 PM	02/16/10	02/19/10 5:54 AM	1002396-031A	02/11/10 4:51 PM	02/16/10	02/19/10 2:56 AM
1002396-033A	02/12/10	02/16/10	02/17/10 11:22 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.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 48723

WorkOrder 1002396

Analyte	EPA Method SW8015B		Extraction SW3510C						Spiked Sample ID: N/A			
	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	104	105	0.975	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	97	98	1.14	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 48723 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002396-011A	02/10/10 2:30 PM	02/16/10	02/18/10 7:25 PM	1002396-018A	02/11/10 10:55 AM	02/16/10	02/18/10 12:37 PM
1002396-025A	02/11/10 2:30 PM	02/16/10	02/18/10 2:53 PM	1002396-032A	02/11/10 5:12 PM	02/16/10	02/18/10 1:45 PM
1002396-034A	02/12/10	02/16/10	02/18/10 9:12 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.

3/16/2010

Mr. Bryan Fong
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Encinal
Project #: 629100
Workorder #: 1003010A

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 3/1/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) 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

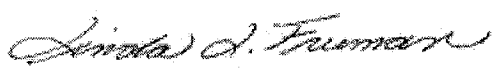
WORK ORDER #: 1003010A

Work Order Summary

CLIENT:	Mr. Bryan Fong Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	BILL TO:	Mr. Bryan Fong Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3369	P.O. #	40-4027618
FAX:	510-420-9170	PROJECT #	629100 Encinal
DATE RECEIVED:	03/01/2010	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/12/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-1	Modified TO-15 (5&20 ppbv)	3.4 "Hg	15 psi
02A	SV-2	Modified TO-15 (5&20 ppbv)	7.0 "Hg	15 psi
02AA	SV-2 Lab Duplicate	Modified TO-15 (5&20 ppbv)	7.0 "Hg	15 psi
03A	SV-3	Modified TO-15 (5&20 ppbv)	3.6 "Hg	15 psi
04A	SV-4	Modified TO-15 (5&20 ppbv)	4.0 "Hg	15 psi
05A	SV-2-D	Modified TO-15 (5&20 ppbv)	6.4 "Hg	15 psi
06A	Lab Blank	Modified TO-15 (5&20 ppbv)	NA	NA
07A	CCV	Modified TO-15 (5&20 ppbv)	NA	NA
08A	LCS	Modified TO-15 (5&20 ppbv)	NA	NA

CERTIFIED BY:



Laboratory Director

DATE: 03/12/10

Certification 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: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15 Soil Gas
Conestoga-Rovers Associates (CRA)
Workorder# 1003010A**

Five 1 Liter Summa Canister (100% Certified) samples were received on March 01, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples SV-1, SV-2, SV-3, SV-4 and SV-2-D due to the presence of high level non-target species.

The recovery of surrogate 1,2-Dichloroethane-d4 in samples SV-1, SV-2, SV-3, SV-4 and SV-2-D was outside control limits due to high level hydrocarbon matrix interference. Data is reported as qualified.

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
- 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

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS**

Client Sample ID: SV-1

Lab ID#: 1003010A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	570	5800	1800	18000

Client Sample ID: SV-2

Lab ID#: 1003010A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	660	52000	2100	160000

Client Sample ID: SV-2 Lab Duplicate

Lab ID#: 1003010A-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	660	57000	2100	180000

Client Sample ID: SV-3

Lab ID#: 1003010A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	580	16000	1800	52000

Client Sample ID: SV-4

Lab ID#: 1003010A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	38000	3700	120000
Methyl tert-butyl ether	1200	1500	4200	5400

Client Sample ID: SV-2-D

Lab ID#: 1003010A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	640	52000	2000	160000

Client Sample ID: SV-1

Lab ID#: 1003010A-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030216	Date of Collection:	2/25/10 11:30:00 AM
Dil. Factor:	114	Date of Analysis:	3/2/10 01:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	570	5800	1800	18000
Toluene	570	Not Detected	2100	Not Detected
Ethyl Benzene	570	Not Detected	2500	Not Detected
m,p-Xylene	570	Not Detected	2500	Not Detected
o-Xylene	570	Not Detected	2500	Not Detected
Methyl tert-butyl ether	570	Not Detected	2000	Not Detected
Naphthalene	2300	Not Detected UJ	12000	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV
 Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.
Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	145 Q	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	111	70-130

Client Sample ID: SV-2

Lab ID#: 1003010A-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030217	Date of Collection:	2/25/10 1:05:00 PM
Dil. Factor:	132	Date of Analysis:	3/2/10 02:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	660	52000	2100	160000
Toluene	660	Not Detected	2500	Not Detected
Ethyl Benzene	660	Not Detected	2900	Not Detected
m,p-Xylene	660	Not Detected	2900	Not Detected
o-Xylene	660	Not Detected	2900	Not Detected
Methyl tert-butyl ether	660	Not Detected	2400	Not Detected
Naphthalene	2600	Not Detected UJ	14000	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV
 Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.
 Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	136 Q	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	115	70-130



Client Sample ID: SV-2 Lab Duplicate

Lab ID#: 1003010A-02AA

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030230	Date of Collection:	2/25/10 1:05:00 PM
Dil. Factor:	132	Date of Analysis:	3/2/10 11:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	660	57000	2100	180000
Toluene	660	Not Detected	2500	Not Detected
Ethyl Benzene	660	Not Detected	2900	Not Detected
m,p-Xylene	660	Not Detected	2900	Not Detected
o-Xylene	660	Not Detected	2900	Not Detected
Methyl tert-butyl ether	660	Not Detected	2400	Not Detected
Naphthalene	2600	Not Detected UJ	14000	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV
 Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.
 Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	139 Q	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	119	70-130



Client Sample ID: SV-3

Lab ID#: 1003010A-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030218	Date of Collection: 2/25/10 10:25:00 AM
Dil. Factor:	115	Date of Analysis: 3/2/10 02:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	580	16000	1800	52000
Toluene	580	Not Detected	2200	Not Detected
Ethyl Benzene	580	Not Detected	2500	Not Detected
m,p-Xylene	580	Not Detected	2500	Not Detected
o-Xylene	580	Not Detected	2500	Not Detected
Methyl tert-butyl ether	580	Not Detected	2100	Not Detected
Naphthalene	2300	Not Detected UJ	12000	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV
 Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.
Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	160 Q	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: SV-4

Lab ID#: 1003010A-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030220	Date of Collection:	2/25/10 12:20:00 PM
Dil. Factor:	233	Date of Analysis:	3/2/10 04:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	38000	3700	120000
Toluene	1200	Not Detected	4400	Not Detected
Ethyl Benzene	1200	Not Detected	5000	Not Detected
m,p-Xylene	1200	Not Detected	5000	Not Detected
o-Xylene	1200	Not Detected	5000	Not Detected
Methyl tert-butyl ether	1200	1500	4200	5400
Naphthalene	4700	Not Detected UJ	24000	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV

Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	133 Q	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	109	70-130

Client Sample ID: SV-2-D

Lab ID#: 1003010A-05A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030221	Date of Collection: 2/25/10 1:05:00 PM
Dil. Factor:	128	Date of Analysis: 3/2/10 04:36 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	640	52000	2000	160000
Toluene	640	Not Detected	2400	Not Detected
Ethyl Benzene	640	Not Detected	2800	Not Detected
m,p-Xylene	640	Not Detected	2800	Not Detected
o-Xylene	640	Not Detected	2800	Not Detected
Methyl tert-butyl ether	640	Not Detected	2300	Not Detected
Naphthalene	2600	Not Detected UJ	13000	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV
 Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.
Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	134 Q	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	116	70-130

Client Sample ID: Lab Blank

Lab ID#: 1003010A-06A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030206	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/10 08:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	5.0	Not Detected	16	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
Naphthalene	20	Not Detected UJ	100	Not Detected UJ

UJ = Non-detected compound associated with low bias in the CCV

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	109	70-130



Client Sample ID: CCV

Lab ID#: 1003010A-07A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/2/10 07:34 AM

Compound	%Recovery
Benzene	95
Toluene	96
Ethyl Benzene	90
m,p-Xylene	94
o-Xylene	92
Methyl tert-butyl ether	92
Naphthalene	64 Q

Q = Exceeds Quality Control limits.
 Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	117	70-130



Client Sample ID: LCS

Lab ID#: 1003010A-08A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w030204	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/2/10 07:57 AM

Compound	%Recovery
Benzene	84
Toluene	81
Ethyl Benzene	87
m,p-Xylene	88
o-Xylene	85
Methyl tert-butyl ether	81
Naphthalene	83

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	117	70-130



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Page 1 of 1

Project Manager ERIC SYSTAD
 Collected by: (Print and Sign) CALVIN HEE
 Company CRA Email esystad@crainc.com
 Address 5400 Hollis City Emeryville State CA Zip 94608
 Phone 510-420-3358 Fax 510-420-9170

Project Info: P.O. # <u>40-4027618</u> Project # <u>629100</u> Project Name <u>ENCINAL</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: <u>N₂</u> <u>He</u>
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Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
<u>01A</u>	<u>SV-1</u>	<u>94906</u>	<u>2/25/10</u>	<u>11:30</u>	<u>TO-15; TPH_y</u>	<u>-30</u>	<u>-3</u>		
<u>02A</u>	<u>SV-2</u>	<u>34617</u>	<u>2/25/10</u>	<u>13:05</u>	<u>BTEX, MTBE, &</u>	<u>-30</u>	<u>-6.5</u>		
<u>03A</u>	<u>SV-3</u>	<u>35636</u>	<u>2/25/10</u>	<u>10:25</u>	<u>Naphthalene</u>	<u>-30</u>	<u>-4</u>		
<u>04A</u>	<u>SV-4</u>	<u>1454</u>	<u>2/25/10</u>	<u>12:20</u>	<u>ASTM: O₂, CO₂</u>	<u>-30</u>	<u>-9.5</u>		
<u>05A</u>	<u>SV-2-D</u>	<u>33632</u>	<u>2/25/10</u>	<u>13:05</u>	<u>CH₄, Helium</u>	<u>-30</u>	<u>-6</u>		

Relinquished by: (signature) <u>CALVIN HEE</u> Date/Time <u>2/26/10 4:00p</u>	Received by: (signature) <u>Monica Green</u> Date/Time <u>ATL 3/1/10</u>
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____

Notes:
900 - please include EDF

Lab Use Only	Shipper Name <u>Fed Ex</u>	Air Bill # _____	Temp (°C) <u>NA</u>	Condition <u>Good</u>	Custody Seals Intact? <u>Yes</u> <u>No</u> <u>None</u>	Work Order # <u>003010</u>
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3/16/2010

Mr. Bryan Fong
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Encinal
Project #: 629100
Workorder #: 1003010C

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 3/1/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 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

WORK ORDER #: 1003010C

Work Order Summary

CLIENT:	Mr. Bryan Fong Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	BILL TO:	Mr. Bryan Fong Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3369	P.O. #	40-4027618
FAX:	510-420-9170	PROJECT #	629100 Encinal
DATE RECEIVED:	03/01/2010	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/12/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-1	Modified ASTM D-1946	3.4 "Hg	15 psi
02A	SV-2	Modified ASTM D-1946	7.0 "Hg	15 psi
03A	SV-3	Modified ASTM D-1946	3.6 "Hg	15 psi
04A	SV-4	Modified ASTM D-1946	4.0 "Hg	15 psi
05A	SV-2-D	Modified ASTM D-1946	6.4 "Hg	15 psi
06A	Lab Blank	Modified ASTM D-1946	NA	NA
06B	Lab Blank	Modified ASTM D-1946	NA	NA
07A	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY:

Sinda J. Freeman

Laboratory Director

DATE: 03/12/10

Certification 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: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified ASTM D-1946
Conestoga-Rovers Associates (CRA)
Workorder# 1003010C

Five 1 Liter Summa Canister (100% Certified) samples were received on March 01, 2010. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air 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.

<i>Requirement</i>	<i>ASTM D-1946</i>	<i>ATL Modifications</i>
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections $> 5 X$'s the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SV-1

Lab ID#: 1003010C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.4
Methane	0.00023	35
Carbon Dioxide	0.023	8.5

Client Sample ID: SV-2

Lab ID#: 1003010C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.2
Methane	0.00026	13
Carbon Dioxide	0.026	9.0

Client Sample ID: SV-3

Lab ID#: 1003010C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.2
Methane	0.00023	18
Carbon Dioxide	0.023	5.8

Client Sample ID: SV-4

Lab ID#: 1003010C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.2
Methane	0.00023	5.2
Carbon Dioxide	0.023	9.5

Client Sample ID: SV-2-D

Lab ID#: 1003010C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.1
Methane	0.00026	13

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SV-2-D

Lab ID#: 1003010C-05A

Carbon Dioxide

0.026

8.9



Client Sample ID: SV-1

Lab ID#: 1003010C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030204	Date of Collection:	2/25/10 11:30:00 AM
Dil. Factor:	2.28	Date of Analysis:	3/2/10 08:41 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.4
Methane	0.00023	35
Carbon Dioxide	0.023	8.5
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Client Sample ID: SV-2

Lab ID#: 1003010C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030205	Date of Collection:	2/25/10 1:05:00 PM
Dil. Factor:	2.64	Date of Analysis:	3/2/10 09:14 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.2
Methane	0.00026	13
Carbon Dioxide	0.026	9.0
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Client Sample ID: SV-3

Lab ID#: 1003010C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030206	Date of Collection:	2/25/10 10:25:00 AM
Dil. Factor:	2.30	Date of Analysis:	3/2/10 09:37 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.2
Methane	0.00023	18
Carbon Dioxide	0.023	5.8
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Client Sample ID: SV-4

Lab ID#: 1003010C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030207	Date of Collection:	2/25/10 12:20:00 PM
Dil. Factor:	2.33	Date of Analysis:	3/2/10 10:11 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.2
Methane	0.00023	5.2
Carbon Dioxide	0.023	9.5
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Client Sample ID: SV-2-D

Lab ID#: 1003010C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030208	Date of Collection:	2/25/10 1:05:00 PM
Dil. Factor:	2.57	Date of Analysis:	3/2/10 10:52 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.1
Methane	0.00026	13
Carbon Dioxide	0.026	8.9
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Client Sample ID: Lab Blank

Lab ID#: 1003010C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030203	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/10 08:07 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable



Client Sample ID: Lab Blank

Lab ID#: 1003010C-06B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030203b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/10 08:07 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



Client Sample ID: LCS

Lab ID#: 1003010C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9030221	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/2/10 09:02 PM

Compound	%Recovery
Oxygen	99
Methane	101
Carbon Dioxide	100
Helium	101

Container Type: NA - Not Applicable



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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager ERIC SYSTAD
 Collected by: (Print and Sign) CALVIN HEE
 Company CRA Email esystad@crainc.com
 Address 5700 Hollis City Emeryville State CA Zip 94608
 Phone 510-420-3358 Fax 510-420-9170

Project Info:
 P.O. # 40-4027618
 Project # 629100
 Project Name ENCINAL

Turn Around Time:
 Normal
 Rush
specify

Lab Use Only
 Pressurized by: _____
 Date: _____
 Pressurization Gas: _____
 N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psf)
<u>01A</u>	<u>SV-1</u>	<u>94906</u>	<u>2/25/10</u>	<u>11:30</u>	<u>TO-15; TPH₄</u>	<u>-30</u>	<u>-3</u>		
<u>02A</u>	<u>SV-2</u>	<u>34617</u>	<u>2/25/10</u>	<u>13:05</u>	<u>BTEX, MTBE, #</u>	<u>-30</u>	<u>-6.5</u>		
<u>03A</u>	<u>SV-3</u>	<u>35636</u>	<u>2/25/10</u>	<u>10:25</u>	<u>Naphthalene</u>	<u>-30</u>	<u>-4</u>		
<u>04A</u>	<u>SV-4</u>	<u>1450</u>	<u>2/25/10</u>	<u>12:20</u>	<u>ASTM: O₂, CO₂</u>	<u>-30</u>	<u>-9.5</u>		
<u>05A</u>	<u>SV-2-D</u>	<u>33632</u>	<u>2/25/10</u>	<u>15:05</u>	<u>CH₄, Helium</u>	<u>-30</u>	<u>-6</u>		

Relinquished by: (signature) CALVIN HEE Date/Time 2/26/10 4:00pm Received by: (signature) Manica Breen Date/Time ATL 3/1/10 9:00
 Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____
 Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Notes:
 - please include EDF

Lab Use Only: Fed Ex Shipper Name: _____ Air Bill #: _____ Temp (°C): NA Condition: Good Custody Seals Intact?: Yes No: None Work Order #: 003010

3/22/2010

Mr. Bryan Fong
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Encinal
Project #: 629100
Workorder #: 1003010BR1

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 3/1/2010 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


WORK ORDER #: 1003010BR1

Work Order Summary

CLIENT:	Mr. Bryan Fong Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	BILL TO:	Mr. Bryan Fong Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3369	P.O. #	40-4027618
FAX:	510-420-9170	PROJECT #	629100 Encinal
DATE RECEIVED:	03/01/2010	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/12/2010		
DATE REISSUED:	03/22/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-1	Modified TO-3	3.4 "Hg	15 psi
01AA	SV-1 Lab Duplicate	Modified TO-3	3.4 "Hg	15 psi
02A	SV-2	Modified TO-3	7.0 "Hg	15 psi
03A	SV-3	Modified TO-3	3.6 "Hg	15 psi
04A	SV-4	Modified TO-3	4.0 "Hg	15 psi
05A	SV-2-D	Modified TO-3	6.4 "Hg	15 psi
06A	Lab Blank	Modified TO-3	NA	NA
07A	LCS	Modified TO-3	NA	NA

CERTIFIED BY:



Laboratory Director

DATE: 03/22/10

Certification 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: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

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# 1003010BR1

Five 1 Liter Summa Canister (100% Certified) samples were received on March 01, 2010. 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. The TPH (Gasoline Range) results are calculated using the response factor of Gasoline. A molecular weight of 100 is used to convert the TPH (Gasoline Range) ppmv result to ug/L.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-3</i>	<i>ATL Modifications</i>
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 were no receiving discrepancies.

Analytical Notes

The recovery of surrogate Fluorobenzene in samples SV-2, SV-4 and SV-2-D was outside control limits due to high level hydrocarbon matrix interference. Data is reported as qualified.

THE WORKORDER WAS REISSUED ON MARCH 22, 2010 TO REPORT RESULTS IN 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



**Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID**

Client Sample ID: SV-1

Lab ID#: 1003010BR1-01A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	11	8900	47000	36000000

Client Sample ID: SV-1 Lab Duplicate

Lab ID#: 1003010BR1-01AA

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	23	9000	93000	37000000

Client Sample ID: SV-2

Lab ID#: 1003010BR1-02A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	13	11000	54000	44000000

Client Sample ID: SV-3

Lab ID#: 1003010BR1-03A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	14	13000	59000	52000000

Client Sample ID: SV-4

Lab ID#: 1003010BR1-04A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	12	10000	48000	41000000

Client Sample ID: SV-2-D

Lab ID#: 1003010BR1-05A

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	16	11000	66000	43000000



Client Sample ID: SV-1

Lab ID#: 1003010BR1-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030806	Date of Collection:	2/25/10 11:30:00 AM
Dil. Factor:	456	Date of Analysis:	3/8/10 11:04 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	11	8900	47000	36000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	150	75-150



Client Sample ID: SV-1 Lab Duplicate

Lab ID#: 1003010BR1-01AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030804	Date of Collection:	2/25/10 11:30:00 AM
Dil. Factor:	912	Date of Analysis:	3/8/10 09:52 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	23	9000	93000	37000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	123	75-150



Client Sample ID: SV-2

Lab ID#: 1003010BR1-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030805	Date of Collection:	2/25/10 1:05:00 PM
Dil. Factor:	528	Date of Analysis:	3/8/10 10:27 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	13	11000	54000	44000000

Q = Exceeds Quality Control limits, possibly due to matrix effects.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	180 Q	75-150



Client Sample ID: SV-3

Lab ID#: 1003010BR1-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030807	Date of Collection: 2/25/10 10:25:00 AM
Dil. Factor:	575	Date of Analysis: 3/8/10 11:36 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	14	13000	59000	52000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	141	75-150



Client Sample ID: SV-4

Lab ID#: 1003010BR1-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030808	Date of Collection: 2/25/10 12:20:00 PM
Dil. Factor:	466	Date of Analysis: 3/8/10 12:09 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	12	10000	48000	41000000

Q = Exceeds Quality Control limits, possibly due to matrix effects.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	184 Q	75-150

Client Sample ID: SV-2-D

Lab ID#: 1003010BR1-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030809	Date of Collection:	2/25/10 1:05:00 PM
Dil. Factor:	642	Date of Analysis:	3/8/10 12:42 PM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	16	11000	66000	43000000

Q = Exceeds Quality Control limits, possibly due to matrix effects.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	170 Q	75-150



Client Sample ID: Lab Blank

Lab ID#: 1003010BR1-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030803	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/8/10 09:15 AM

Compound	Rpt. Limit (ppmv)	Amount (ppmv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH (Gasoline Range)	0.025	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	98	75-150



Client Sample ID: LCS

Lab ID#: 1003010BR1-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030817	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/8/10 08:45 PM

Compound	%Recovery
TPH (Gasoline Range)	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	104	75-150



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager ERIC SYSTAD
 Collected by: (Print and Sign) CALVIN HEE
 Company CRA Email esystad@cravorld.com
 Address 5700 Hollis City Emeryville State CA Zip 94608
 Phone 510-420-3358 Fax 510-420-9170

Project Info:
 P.O. # 40-4027618
 Project # 629100
 Project Name ENCINAL

Turn Around Time:
 Normal
 Rush
specify
 Let Use Only
 Pressurized by:
 Date:
 Pressurization Gas:
N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
O1A	SV-1	44906	2/25/10	11:30	TO-15, TPH ₄	-30	-3		
O2A	SV-2	34617	2/25/10	13:05	BTEX, MTBE, d	-30	-6.5		
O3A	SV-3	35636	2/25/10	10:25	Naphthalene	-30	-4		
O4A	SV-4	1456	2/25/10	12:20	ASTM O ₂ , CO	-30	-9.5		
O5A	SV-2-D	33632	2/25/10	13:05	CH ₄ , Helium	-30	-6		

Relinquished by: (signature) CALVIN HEE Date/Time 2/26/10 4:00pm
 Received by: (signature) Monica Glesgen Date/Time ATL 3/1/10 9:00

Notes:
 - please include EDF

Relinquished by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Lab Use Only: Shipper Name Red Ex Air Bill # _____ Temp (°C) NA Condition Good Custody Seals Intact? None Work Order # 003010

APPENDIX F

WELL DEVELOPMENT FIELD FORMS

Vapor Tech Services

Well Development Field Data Sheet

Project Name: Encinal Properties

Site Address: 1436 Grant Ave, San Lorenzo Date: 2/16/2010 Technician(s): GR/EZ

Project No.: CRA Project 629100; Phase 24 Weather: Cool morning then sunny

Monitoring Well ID: MW-4

Casing Diameter: 2" 4" 6" Other Casing Material: SCH 40-PVC Other: S. Steel

Total Well Depth (ft bgs): 9.98 Floating Immiscible Layer Observed?: No

Total Casing Depth (ft-TOC): 9.56 Floating Immiscible Layer Thickness (feet): N/A

Depth to Water (ft-TOC): 6.24 Sheen Observed? Yes

Water Column Height (feet): 3.32 Pipe Volumes

(1) Casing Volume (gallons) 2.16 2-Inch Dia: 0.16 gallons per ft (Water Column Height (ft) X 0.16)

(10) Casing Volumes (gallons) 21.6 4-Inch Dia: 0.65 gallons per ft (Water Column Height (ft) X 0.65)

Surge & Bail Method/Equipment: Check valve surge block - tremie pipe & tubing

Purging Method/Equipment: Proactive submersible pump

Temp./pH Meter: Horiba U-10 Multimeter Calibration Notes: Horiba U-10 Calibrated on 2-16-10 at

Conductivity Meter: Horiba U-10 Multimeter 8:35 AM.

TIME	Purge Volumes		Groundwater Parameters				Comments
	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (mS/cm)	Turbidity (NTU)	
9:00	--	--	--	--	--	--	Begin surge & bail - moderate sediment
9:25	approx 3	3.00					End surge & bail
9:36							Begin Purge using submersible
9:38	2.25	5.25	15.4	6.10	1.76	609	
9:41	2.25	7.50	15.4	6.39	1.83	345	Well Dewatered
9:54	2.00	9.50	14.7	6.67	1.90	314	Well Dewatered; VTS left site
11:40							Return to site: DTW 6.45ft TOC
11:48	2.25	11.75	16.5	6.87	1.90	291	
11:50	2.25	14.00	16.8	6.83	1.88	328	Well Dewatered
13:10							DTW: 6.51 ft TOC prior to resuming purge
13:12	2.25	16.25	17.3	6.85	1.91	215	
13:15	2.25	18.50	17.0	6.83	1.90	184	Well Dewatered
13:29	2.25	20.75	17.2	6.77	1.84	183	Well Dewatered
13:45	2.00	22.75	17.5	6.80	1.83	188	Well Dewatered

Total Volume Purged (gallon): 22.75 Time Finished Purging: 13:45

APPENDIX G
SITE SURVEY DATA

Virgil Chavez Land Surveying

721 Tuolumne Street

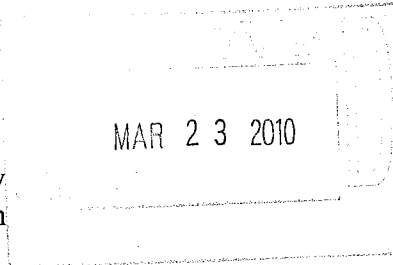
Vallejo, California, 94590

(707) 553-2476 • Fax (707) 553-8698

March 17, 2010

Project No.: 2817-00

Bryan Fong
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

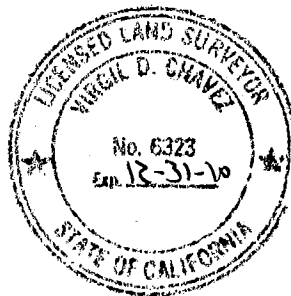


Subject: Monitoring Well Survey
Olympic Service Station
1436 Grant Avenue
San Lorenzo, Ca.

Dear Bryan:

This is to confirm that we have proceeded at your request to survey the new monitoring well located at the above referenced location. The survey was completed on March 15, 2010. The benchmark for this survey was a cinch nail on top of catch basin located at the corner of Lewelling & Andover Streets . The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate Sys., Zone III (NAD83). Benchmark Elevation = 16.53 feet (NGVD 29)

<u>Latitude</u>	<u>Longitude</u>	<u>Northing</u>	<u>Easting</u>	<u>Elev.</u>	<u>Desc.</u>
37.6770218	-122.1428744	2073154.44	6086238.91	15.48	RIM MW-4
				15.15	TOC MW-4



Sincerely,

Virgil D. Chavez
Virgil D. Chavez, PLS 6323

APPENDIX H
WASTE DISPOSAL MANIFESTS

TPST Soil Recyclers of CA

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 78559**WEIGHMASTER CERTIFICATE**

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A3-5087 Load #: 1

3/29/2010

Generator Site Information:

ENCINAL PROPERTIES

1436 GRANT AVE

SAN LORENZO, CA 94580

Weighmaster Weighed at:

TPST SOIL RECYCLERS OF CALIFORNIA

12328 HIBISCUS AVE

ADELANTO, CA 92301

		<u>Lbs</u>	<u>Tons</u>
J-Provansal	Time In: 8:20:31 AM	Gross Weight: 3840	1.92 Manual Wt
J-Provansal	Time out: 8:20:32 AM	Tare Weight: 1540	0.77 Manual Wt
		Net Weight: 2300	1.15

Truck Number: 518**Trailer Number:** 224**Commodity:** Non Haz - Solids**Driver on Gross and Tare Transporter:** AIS - RIGO

Manifest

TPST Soil Recyclers of CA Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment: Transporter	Transporter Truck #:	Facility #: A07	Given by TPST: 35087	Load #: 10101
-------------------	--	----------------------	---------------------------	--------------------------------	-------------------------

Generator's Name and Billing Address: Encinal Properties 1498 Grant Ave. San Lorenzo, CA 94500	Generator's Phone #:	Generator's US EPA ID No.:
	Person to Contact:	
	FAX #:	Customer Account Number with TPST:

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX #:	Customer Account Number with TPST:

Generation Site (Transport from): (name & address) Encinal Properties 1498 Grant Ave. San Lorenzo, CA 94500	Site Phone #:	BTEX Levels:
	Person to Contact:	HHAP Levels:
	FAX #:	AVG. Levels:

Designated Facility (Transport to): (name & address) TPS Technologies 12328 Hibiscus Rd. Adelanto, CA 92301-1700	Facility Phone #: (800) 982-9001	Facility Permit Number:
	Person to Contact: Chalera Jeffrey	
	FAX #: (760) 248-8004	

Transporter Name and Mailing Address: American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90800-2316	Transporter's Phone #: (310) 522-1188	Transporter's US EPA ID No.:
	Person to Contact: Melinda Burgo	Transporter's DOT No.:
	FAX #: (310) 522-1182	Customer Account Number with TPST: 7704908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty.	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20%+ over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	4		3840	1540	2300
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20%+ over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					1.15

List any exception to items listed above: **AIS Project # 30030-15** Scale (pallet): **78559**

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken directly from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Jennifer Sherman	Generator <input type="checkbox"/> Consultant <input checked="" type="checkbox"/>	Signature and date: <i>Jennifer Sherman</i>	Month Day Year: 03 25 10
--	---	--	------------------------------------

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Rico Valencia	Signature and date: <i>Rico Valencia</i>	Month Day Year: 03 25 10
---	---	------------------------------------

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name:	Signature and date: <i>[Signature]</i>	Month Day Year: 3 27 10
---------------------	---	-----------------------------------

Generator and/or Consultant

Transporter

Recycling Facility

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

NOT REQUIRED

2. Page 1 of

1

3. Emergency Response Phone

800-423-6030

4. Waste Tracking Number

212811

5. Generator's Name and Mailing Address

Generator's Site Address (If different than mailing address)

**Encinal Properties
1436 Grant Ave., San Lorenzo, CA 94580**

Generator's Phone

6. Transporter 1 Company Name

U.S. EPA ID Number

American International Services, Inc.

CA0000143310

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

**Crosby & Oerston, Inc.
1030 W. 10th Street**

CA1000400010

Facility's Phone:

800-423-6030

9a. 9b. U.S. DOT Description (Including Proper Shipping Name)

10. Containers

No. Type

11. Total Quantity

12. Unil Wt./Vol.

1.

More-Hazardous Waste Liquid, (Dioxin Waste)

1

55

0

2.

3.

4.

13. Special Handling Instructions and Additional Information

D28981 LH 4433

Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (800) 423-6030.

Amount: 27570

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

Jennifer Sherman DBO Encinal Properties

10/3/25/10

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Signature

Month Day Year

Transporter 1 Printed/Typed Name

Rae Valencia

10/3/25/10

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Laura Christensen

10/3/31/10

GENERATOR

INTL

TRANSPORTER

DESIGNED FACILITY