UNDERGROUND TANK REMOVAL AND SOIL & GROUNDWATER SAMPLING REPORT THE COLONY DEVELOPMENT AT JACK LONDON SQUARE 311 SECOND STREET Oakland, California

The 311 Company, LLC
Oakland, California

29 November 2007
Project No. 4568.02

Treadwell&Rollo
Environmental and Geotechnical Consultants

Treadwell&Rollo

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4568.02

Ms. Donna Drogos
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Subject: Underground Tank Removal and Soil & Groundwater Sampling Report
The Colony Development at Jack London Square
311 Second Street
Oakland, California
RO0002906/Global ID SL0600180448

Dear Ms. Drogos:

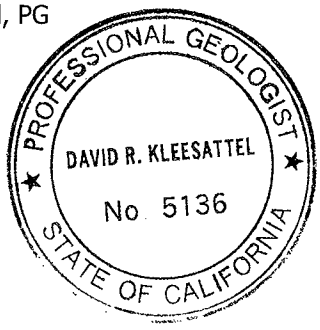
On behalf of the 311 Company, LLC, Treadwell & Rollo, Inc. (Treadwell & Rollo) is pleased to present this Underground Tank Removal and Soil & Groundwater Sampling Report. We declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of our knowledge.

This report includes details of the tank removal activities and additional sampling activities which were performed at the Site in October 2007. It fulfills the requirements stated in the 29 October 2007 letter from Alameda County Health Care Services Agency (ACHCSA). Please review this report and let us know if all issues pertaining to the "Responses to Technical Comments and Addendum to the Site Management Plan" (SMP Addendum) dated 15 August 2007 have been appropriately addressed. A Site Mitigation Completion Report detailing all site mitigation activities performed during construction of will be submitted under separate cover, after construction has been completed. If you have any questions, please contact us at (510) 874-4500.

Sincerely yours,
TREADWELL & ROLLO, INC.

Eric T. Morita
Project Geologist

David R. Kleesattel, PG
Senior Geologist



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UNDERGROUND TANK REMOVAL AND SOIL & GROUNDWATER SAMPLING REPORT
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311 SECOND STREET
Oakland, California

1.0 INTRODUCTION

This Underground Tank Removal & Soil and Groundwater Report has been prepared by Treadwell & Rollo Inc. (Treadwell & Rollo) on behalf of The 311 Company, LLC for the property located at 311 Second Street in Oakland, California (Site) (Figure 1). The Site is rectangular and is bound to the northwest by asphalt parking and offices of the Jack London Square Bath Gallery (130 Webster Street), to the northeast by Second Street, to the southeast by Harrison Street, and to the southwest by the Amtrak railway. It is currently being redeveloped into six levels of residential over two levels of above-grade parking and extends across the entire footprint of the Site. With the exception of raised beds for landscaping, no exposed soil is anticipated upon completion of the development.

This report includes details of the tank removal activities and additional sampling activities which were performed at the Site in October 2007. The purpose of this report was to (1) document tank removal activities, (2) investigate potential sources of contamination that would explain previous detections of Total Petroleum Hydrocarbons (TPH) quantified as gasoline (TPH-g) in boring B-3 and TPH quantified as diesel fuel (TPH-d) in boring B-6, and (3) evaluate whether groundwater at the Site would be acceptable as a future source of municipal or domestic water.

This report has been prepared with the intention of obtaining formal approval of the Site Management Plan (SMP) (T&R, 2007a) and the *Response to Technical Comments and Addendum to the Site Management Plan* (SMP Addendum) (T&R, 2007b). On 29 October 2007, ACHCSA granted contingent approval of the SMP and SMP Addendum and requested the information within this report be submitted by 30 November 2007 to determine whether environmental contingencies have been appropriately completed (ACHCSA, 2007b).

2.0 BACKGROUND

From 1889 through at least 1903, the Site was occupied by 1-story residential dwellings and a railroad signal house on the southwest corner of the Site. By approximately 1911, buildings on the eastern-southeastern part of the Site were replaced by 2-story commercial stores. The northern edge of the Site

was replaced by a warehouse and sheds. A 2-story warehouse building occupied by Southern Pacific Company was constructed adjoining the northeastern corner of the Site.

By 1950, the buildings were replaced by a rectangular, 1-story steel fabricating and welding shop in the center of the Site. The building was approximately 90 feet wide fronting Harrison Street by 125 feet and was set approximately 100 feet back (west) of 2nd Street. The Site also contained an office in the southeastern corner of the Site, and an unlabeled circular feature (diameter of approximately 10 feet) next to a small 1-story structure in the in the northeast corner of the Site. This steel fabricating and welding shop existed at the Site from approximately 1950 to 1959.

A 1950 Sanborn Map revealed the presence of an off-Site tank which stored bunker oil. The tank was located approximately 35 north of the Site and 25 feet west of 2nd Street in the 2-story warehouse building that was formerly occupied by Southern Pacific Company (Present day address of 130 Webster Street). The off-Site tank was listed in Sanborn Maps from 1950 through 1960.

According to accounts by George Meyer, a previous owner of the Site, the Site was vacant from 1976 to 1978. Mr. Meyer purchased the Site in 1978 and operated Meyer's Plumbing, a plumbing supply warehouse (containing pipes, fittings, and tools), which occupied the Site until 2006. An underground storage tank (UST) with an approximate capacity of 1,000-gallons was identified in the southwest corner of the Site. According to Mr. Meyer, the UST had been sealed prior to his purchase of the Site and that the tank was not operated during his ownership.

Between 1993 and 1996, a series of environmental investigations were performed at the Site in pursuit of tank closure (Blymyer, 1993a,b; AllPro, 1996). The 1993 investigation by Blymyer indicated that the UST was filled with concrete and closed-in-place (Blymyer, 1993b). Sample locations (SB-1, SB-2, and B3 to B6) are shown on Figure 2 and laboratory analytical results are summarized on Tables 1-4. Laboratory analytical results indicated that diesel contamination existed adjacent to the UST between the depths of 5.5 to 7.5 feet below ground surface (bgs). The direction of groundwater flow was inferred to be to the southwest toward the Oakland Inner Harbor. TPH-d was not detected in soil in the down-gradient location (to the southwest), although these soil samples were collected from 4.5 to 5.0 feet bgs.

Lead was detected in groundwater in borings B3 to B6 (AllPro, 1996). Metals adsorbed to sediment can mobilize into solution under acidic conditions. A review of the chain-of-custody from the 1996 investigation revealed that the water samples were preserved in acid before being submitted to the

laboratory where they were filtered to remove sediments (AllPro, 1996). Therefore, lead concentrations in B3 to B6 do not represent soluble lead concentrations in groundwater. Based on the results of these investigations and its use as commercial property, a No Further Action (NFA) letter was issued for the UST case by ACHCSA on 18 June 1996

In 2005, the Site was being considered as a potential residential development prompting additional investigation at the Site which included a Phase I Environmental Site Assessment (ESA) (Secor, 2005a) and subsequent field investigations (Secor, 2005b; Secor, 2006). These investigations revealed the presence of petroleum hydrocarbons, metals, and halogenated volatile organic compounds (HVOCs) (a.k.a. chlorinated solvents) in soil and groundwater at the Site. Sample locations included B-1 through B-4, B-6, B-10, and SW-1 through SW-4 (Figure 2). It should be noted that the 2005 investigation by Secor included sample locations named B-3 through B-6 which are not to be confused with sample locations B3 to B6 by Blymyer in 1996.

Results of the 2005 and 2006 investigations are summarized on Tables 1-4. TPH-d was identified down-gradient of the UST in groundwater (B-1), TPH-g in groundwater up-gradient of the UST (B-3), and TPH-d and HVOCs in groundwater collected from the northern corner of the Site (B-6). Although TPH-d and TPH-mo were detected in soil and groundwater, there was no indication that the samples were analyzed with silica gel cleanup which removes the biological interference that can occur when analyzing for extractable hydrocarbons. Therefore, elevated concentrations of TPH-d and TPH-mo during the 2005 and 2006 investigations may be elevated based on by-products of biological activity which was detected in the range of TPH-d and TPH-mo.

To investigate potential sources of TPH and HVOCs which may have migrated onto the Site, borings SW-1 through SW-4 were drilled along the northeastern perimeter of the Site along 2nd Street (inferred up-gradient direction). In addition, boring SW-5 was advanced in the inferred down-gradient direction from the Site along Harrison Street. HVOCs were detected in groundwater samples in the inferred up-gradient direction (SW-1 through SW-4) but no off-Site sources of lead or TPH were detected.

In 2007, the 311 Company purchased the Site with plans to demolish the warehouse building and redevelop the Site into six levels of residential over two levels of above-grade parking. Redevelopment plans included covering the entire footprint of the Site which would effectively “cap” contaminated soil and groundwater and mitigate exposure to future residents (engineered control). In addition, redevelopment plans included having a deed restriction for the Site to prevent future users from

disturbing the Cap (administrative control). A Site Management Plan (SMP) was prepared and submitted to ACHCSA detailing the procedures that would be performed (handling of contaminated soil and groundwater) during redevelopment (T&R, 2007a).

The ACHCSA was concerned that previously unknown sources of contamination could exist at the Site based on (1) chronological gaps in historical Site-use information that would indicate otherwise, and because of previous detections of (2) lead in soil and groundwater, (3) TPH-g in groundwater up-gradient of the UST in B-3, and (4) TPH-d in groundwater up-gradient of the UST in B-6. If sources existed and remained at the Site after construction, contamination in groundwater would have the potential to migrate off-Site and affect other properties. Based on these concerns, the ACHCSA submitted Technical Comments to the SMP requesting that additional information be submitted before the SMP could be approved (ACHCSA, 2007a).

On behalf of the 311 Company, LLC, Treadwell & Rollo addressed these concerns by submitting the *Response to Technical Comments and Addendum to the Site Management Plan* (SMP Addendum) to the ACHCSA on 15 August 2007 (T&R, 2007b). The SMP Addendum included a review of past Sanborn Fire Insurance Maps which revealed that there were no potential sources of lead or TPH which were likely to have been used at the Site. In addition, it included activities that would investigate potential sources of lead and TPH around sample locations B-3 and B-6.

ACHCSA reviewed the SMP Addendum and concurred that no sources of lead are likely to have existed at the Site (ACHCSA, 2007b). Due to the elevated presence of lead at the Site, the ACHCSA indicated that lead concentrations exceeding residential ESLs are to be characterized and noted on a Site map which will be included in the deed restriction. Tank removal activities were to include additional excavation to cleanup goals specified by the ACHCSA letter dated 24 April 2006. These cleanup goals included the removal of TPH-d in soil to 500 mg/kg, TPH-g in soil to 400 mg/kg, TPH-d in groundwater to 2.5 mg/L, and TPH-g in groundwater to 5 mg/L. In addition, an additional soil and groundwater investigation was to be performed around borings B-3 and B-6 to evaluate the possibility that a previously unidentified source of TPH remained at the Site. The ACHCSA granted conditional approval of the SMP Addendum provided that an Underground Tank Removal and Soil & Groundwater Report be submitted by 30 November 2007. The contingencies have been addressed in this report.

3.0 SCOPE OF SERVICES

The scope of services included the removal of the UST, over-excavation of soil surrounding the UST, and performing soil and groundwater sampling activities around previous boring locations B-3 and B-6 to evaluate a possible undiscovered source of TPH at the Site.

3.1 Removal of the UST

The 311 Company, LLC retained the services of Environmental Resources Group (ERG) to remove the UST at the Site in September and October 2007. ERG is a Licensed Hazardous Substance Removal and Remedial Actions Contractor (#740879). Details of the tank removal activities including supporting documentation are provided in the *Underground Storage Tank Removal Report, 311 2nd Street, Oakland California* by ERG dated 20 November 2007 (Appendix A) (ERG, 2007).

Prior to tank removal activities, ERG notified Underground Services Alert (USA) to delineate major utility lines in the area around the UST, contracted a utility locator to identify the limits of the tank, obtained a tank removal permit from the Oakland Fire Prevention Bureau (Permit #T07-0048), and notified the Bay Area Air Quality Management District. An EPA ID Waste generator number for the Site was obtained for disposal (CAC002621813). Copies of the permits, notifications, and inspection records are presented in Appendix A.

During the preliminary inspection of the UST (Figure 2), ERG discovered that the tank was filled with oily water and not with concrete as previously reported (Blymyer, 1993a). ERG contacted Clearwater Environmental to remove and dispose of the oily water. The UST was then triple rinsed with a high-pressure water sprayer and Simple Green Cleaner. A total of 1,050 gallons of oily water and rinsate water was transported at a proper off-Site receiving facility by Clearwater Environmental. The Uniform Hazardous Waste Manifests are provided in Appendix A.

Tank removal activities were performed by ERG on 3 October 2007 under the guidance of personnel from the Oakland Fire Prevention Bureau. Treadwell & Rollo personnel was also at the Site to observe tank removal activities and to provide sampling activities (Section 3.2).

The UST was oriented with the long end extending northwest-southeast. The top of the UST was exposed at a depth of approximately 3.5 feet below ground surface (bgs). The ambient air environment

was continuously monitored with a photo-ionization detector (PID) equipped with a Lower Explosive Limit (LEL) meter and was verified as being a breathable atmosphere for workers during the tank removal activities. Approximately 200 lbs of dry ice was poured into the tank and verified as being inert (by the Oakland Fire Prevention Bureau) based on the LEL readings and known fuel components (Photograph 2). Soil surrounding the tank was then removed and placed on plastic sheeting. The tank was removed and placed on a truck and was noted to be a single wall, steel UST, approximately 12 feet long and four feet in diameter. A crack was observed in the southeastern corner of the tank. The 1,000-gallon UST was transported by Ecology Control Industries to their facility at 255 Parr Boulevard in Richmond, California.

3.2 Over-Excavation and Confirmation Sampling Around the UST

As a contingency for approval, the ACHCSA required that after removal of the UST, surrounding soil or groundwater containing TPH-g or TPH-d at concentrations above specified cleanup goals were to be removed (ACHCSA, 2007b). During tank removal activities, discolored soils were observed adjacent to the tank on all sides at approximately 8 feet bgs (the tank was buried from approximately 3.5 to 7.5 feet bgs).

On 5 October 2007 and 11 October 2007, discolored soil with moderate to strong petroleum odor and elevated VOC readings (using a PID) was over-excavated, stockpiled on plastic sheeting, and covered at the end of the day. Soil excavation was performed with an excavator supplied by ERG. Soil samples were collected from the excavator bucket in stainless steel tubes, wrapped in Teflon®, capped, labeled, placed in an ice-chilled cooler. All samples were transported to Torrent Laboratories of Milpitas, California (a California Certified Laboratory) under Chain-of-Custody protocol.

3.2.1 Over-Excavation and Sampling - 5 October 2007

Soil was over-excavated to 12 feet bgs. Soil samples were collected beneath the tank along the northeast end (UST-1A-12.0) and southwest end (UST-2-12.0) from 12 to 12.5 feet bgs. The excavation pit was then extended horizontally removing additional discolored soil to 12 feet bgs, with sidewall samples collected from 8.0 to 8.5 feet bgs (where discolored soil was primarily observed). Relative to the former UST location, soil was over-excavated and sampled 25 feet to the northeast (UST-25A-8.0), 12 feet to the southeast (UST-12B-8.0), 10 feet to the southwest (UST-10C-8.0), and 6 feet to the northwest (UST-6D-8.0). A grab groundwater sample was collected from groundwater that had infiltrated the excavated area and placed in an ice-chilled cooler (UST-GW-12.0). The grab groundwater

was placed in an unpreserved, laboratory supplied container which was filtered and preserved at the laboratory on the day of collection.

In accordance with the SMP and SMP Addendum, soil samples were analyzed for the following chemicals:

- TPH-d and TPH-mo with silica gel cleanup by EPA Method 8015M/3630C
- Selected VOCs by EPA Method 8260B which include:
    - TPH-g
    - Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX)
    - Fuel Oxygenates - Methyl tert-butyl ether (MTBE), Ethyl tert-butyl ether (ETBE), Diisopropyl ether (DIPE), and tert-Amyl methyl ether (TAME)
    - Lead Scavengers – Ethylene Dibromide (EDB) and Ethylene Dichloride (EDC)
- Total Lead by EPA Method 6010B.

The grab groundwater sample was analyzed for the above chemicals (same as the soil samples) and additionally analyzed for:

- Organic Lead by Method SW3510C
- Total Dissolved Solids (TDS) by EPA Method 160.1.

Laboratory analytical results for the 5 October 2007 are summarized on Tables 1-4 and complete laboratory analytical reports are provided in Appendix B. TPH detected in soil and groundwater is also presented on Figures 3 and 4, respectively.

The range of TPH concentrations detected in the soil samples included TPH-g from 1.29 to 424 mg/kg, TPH-d from 2.2 to 5.8 mg/kg, TPH-mo detected only in UST-6D-8.0 at 6.34 mg/kg. BTEX was only detected in soil sample UST-12B-8.0 at low concentrations that were below the ESL for residential land use, direct exposure scenario (Table K-1 of RWQCB, 2005). Lead was detected in all soil samples with concentrations ranging from 1.8 to 210 mg/kg. Although a number of samples had lead concentrations that were generally above background conditions, all concentrations were below the 2003 lead in soil ESL for residential land-use that assumes no consumption of home grown produce cultivated in lead affected soil. Because lead is prevalent in other parts of the Site and because a deed restriction will be applied to the Site for lead, additional soil excavation for lead removal was not performed. No detected concentrations in soil exceeded hazardous waste criteria.

The grab groundwater sample (UST-GW-12.0) had detected concentrations of TPH-g at 293 µg/L, low concentrations of BTEX that were below the ESL for residential land use, direct exposure scenario (Table K-1 of RWQCB, 2005), and TDS at 920 mg/L. Total lead and organic lead were not detected above method detection limits.

The laboratory analytical results indicated that with the exception of soil sample UST-12B, all samples (soil and groundwater) were below cleanup goals. As previously stated, the cleanup goals for the tank removal are TPH-d in soil at 500 mg/kg, TPH-g in soil at 400 mg/kg, TPH-d in groundwater at 2.5 mg/L, and TPH-g in groundwater at 5 mg/L (ACHCSA, 2006). Soil sample UST-12B-8.0 exceeded cleanup goals for TPH-g in soil with a concentration of 424 mg/kg.

Based on the exceedence of the cleanup goal for TPH in UST-12B, additional soil would need to be excavated to the northeast.

3.2.2 Over-Excavation and Sampling - 11 October 2007

Treadwell & Rollo and ERG personnel returned to the Site on 11 October 2007 to excavate additional soil northeast of soil sample UST-12B-8.0. Relative to the former UST location, additional soil was excavated and sampled 27 feet to the northeast at a depth of 8.0 to 8.5 feet bgs (UST-27B-8.0). This soil sample was analyzed for TPH-g by EPA Method 8260B and TPH-d with silica gel cleanup by EPA Method 8015B.

Laboratory analytical results for soil sample UST-27B-8.0 are summarized on Table 1 and Figure 3 with complete laboratory analytical reports provided in Appendix B. TPH-g was detected in soil at 1.29 mg/kg and was not detected above laboratory method detection limits for TPH-d. Because both TPH-g and TPH-d were below cleanup goals, no additional soil excavation was performed at the Site.

3.3 Soil and Groundwater Sampling

As a contingency for approval, the ACHCSA required that a soil and groundwater investigation be performed at the Site to evaluate if an unknown source of TPH-g existed around B-3 and if an unknown source of TPH-d existed around B-6 (Figure 2) (ACHCSA, 2007b).

Treadwell & Rollo retained the services of RSI Drilling, Inc. to advance five borings at the Site for the collection of soil and groundwater samples (TR-1 to TR-5) (Figure 2). Prior to the start of drilling

activities, Treadwell & Rollo obtained a drilling permit from Alameda County Public Works (Permit W2007-1040), notified Underground Services Alert (USA ticket #371293), and retained the services of a private utility locator (Precision Locating of Brentwood, CA) to perform additional clearance of the proposed boring locations.

Drilling activities were performed at the Site on 16 October 2007. All borings were advanced to groundwater using direct push technology (DPT) equipped with a dual-tube sampler. Continuous cores of soil were collected in clear PVC liners. Soil samples were collected in cut six-inch sections, wrapped in Teflon ®, capped, labeled, and placed in an ice-chilled cooler. Grab groundwater samples were collected in laboratory supplied bottles according to standard industry practices, labeled, and placed in an ice-chilled cooler. All samples were transported to Torrent Laboratories of Milpitas, California (a California Certified Laboratory) under Chain-of-Custody protocol.

Selected soil and groundwater samples from TR-1 through TR-3 were analyzed for the chemicals:

- TPH-d and TPH-mo with silica gel cleanup by EPA Method 8015M/3630C (all soil and groundwater samples)
- TPH quantified as bunker oil (TPH-bo) with silica gel cleanup by EPA Method 8015 (in soil and groundwater from TR-1 and TR-2 only)
- TPH-g by EPA Method 8260B (soil and groundwater in TR-3 only)
- TDS by EPA by EPA Method 160.1 (all groundwater samples)

Soil and groundwater samples from TR-4 and TR-5 were placed on hold depending on the results from TR-1 through TR-3. Borings TR-4 and TR-5 were extra locations that were performed in addition to the proposed locations discussed in the SMP Addendum.

Laboratory analytical results for the 16 October 2007 soil and groundwater sampling event are summarized on Tables 1 and 4 with complete laboratory analytical reports provided in Appendix B. TPH detected in soil and groundwater is presented on Figures 3 and 4, respectively.

The subsurface geology encountered at the Site in borings TR-1 through TR-5 generally consisted of silty sand with gravel from 0 to 4 inches bgs and was underlain by silty sand to a maximum observed depth of 16 feet bgs. No discolored soil or soil with petroleum odors was encountered during drilling activities. The un-stabilized depth to groundwater encountered during field activities was approximately 10 feet

bgs. Soil samples were collected near the top of the groundwater table in each boring (9.5 to 10.0 feet bgs) where petroleum hydrocarbons would most likely be encountered. The boring logs are provided in Appendix C.

3.3.1 Soil and Groundwater Sampling Around B-3

TPH-g was previously detected in groundwater from boring B-3 at a concentration of 5.3 mg/L. During tank removal and soil excavation activities, discolored soil was observed at approximately 8 feet bgs that extended from the tank as a continuous plume approximately 27 feet to the northeast. Boring B-3 was located approximately 15 feet northeast of the tank, and was within the area of discolored soil which was removed during tank removal activities. Soil samples were collected between the tank and boring B-3 (UST-12B-8.0) and northeast of boring B-3 (UST-27B-8.0) during over-excavation activities (Tables 1-4). Based on field observations and sampling results during over-excavation activities, the source of TPH-g previously detected in boring B-3 was from the recently removed tank.

Boring TR-3, located approximately 60 feet northeast of boring B-3, was advanced to depth of 15 feet bgs. All chemicals analyzed in the soil (TR-3-9.5) and groundwater (TR-3-GW) samples collected from boring TR-3 were not detected above laboratory method detection limits (Tables 1 and 4) (Figures 3 and 4). These chemicals included TPH-g, TPH-d, and TPH-mo. TDS in groundwater from TR-3 was 700 mg/L.

3.3.2 Soil and Groundwater Sampling Around B-6

TPH-d was previously detected in groundwater at B-6 at a concentration of 8.1 mg/L. To investigate if an unknown source of TPH-d existed in this area, borings were advanced in the inferred up-gradient (TR-1) and down-gradient (TR-2) directions relative to boring B-6 (Figure 2). Boring TR-1 was placed between the adjoining property fence and boring B-6 to investigate if possible bunker oil had migrated from the adjoining property (130 Webster Street) where a bunker oil tank had previously been operated in 1950.

All chemicals analyzed for in the soil (TR-1-9.5 and TR-2-9.5) and groundwater (TR-1-GW, and TR-2-GW) samples from borings TR-1 and TR-2 were not detected above the laboratory method detection limits. These chemicals included TPH-d, TPH-mo, and TPH-bo. TDS in groundwater from TR-1 and TR-2 was 460 mg/L and 440 mg/L, respectively.

4.0 DISCUSSION

The purpose of this report was to (1) document tank removal activities, (2) investigate potential sources of contamination that would explain previous detections of TPH-g in boring B-3 and TPH-d in boring B-6, and (3) evaluate if groundwater at the Site would be acceptable as a municipal or domestic source of water.

During tank removal activities, the 1,000-gallon UST was found to be improperly closed. Although Blymyer previously documented that this tank was filled with concrete and closed-in-place (Blymyer, 1993b), during removal activities ERG observed that the tank filled with approximately 1,000 gallons of oily water. Tank removal activities, including the off-Site disposal of oily water and scrap metal, were performed in accordance with all local, state, and federal regulations.

Results of the October 2007 investigations indicate that the source TPH-g in boring B-3 was from fuel that migrated from the UST. Although the direction of groundwater flow was inferred to be to the southwest toward the Oakland Harbor in past reports, the water table is tidally influenced and therefore the direction groundwater flow could have also been to the northeast (variable). Regardless of the direction of groundwater flow, discolored soil was observed extending from the tank to the northeast and more importantly, to the northwest where it was previously detected in boring B-3. This indicates that the source of contamination previously detected B-3 was from the tank and not from a previously unknown source at the Site.

TPH-d previously detected in groundwater from boring B-6 at 8.1 mg/L may have been from biological interference associated with the breakdown of naturally occurring organics (i.e., naturally occurring vegetable oils and fats) which was detected within the range of diesel fuel compounds. Upon review of the previous laboratory analytical report for groundwater sample B-6 (Secor, 2005b), the TPH-d analysis did not include silica gel cleanup which removes the biological effect which can contribute to the detection of TPH-d. In October 2007, soil and groundwater samples from borings TR-1 and TR-2 were analyzed for TPH-d and included the silica gel cleanup method. Results indicate that all soil and groundwater samples were not detected above laboratory method detection limits. In addition, there was no discolored soil collected from TR-1, TR-2, and previous boring B-6 (reviewed the boring log from Secor). Based on this information, either the source contributing to the low concentrations of TPH-d in groundwater is very localized around boring B-6 or the previous TPH-d detection was not representative of refined petroleum hydrocarbons. In our opinion, there is no source of TPH-d around boring B-6.

Groundwater at the Site was also evaluated as a possible drinking water source. The RWQCB Resolution 88-63 (a.k.a., Adoption of Policy Entitled "Sources of Drinking Water") defines groundwater to be suitable, or potentially suitable as a municipal or domestic water supply if (1) TDS concentrations in groundwater are less than 3,000 mg/L, (2) there is contamination either by natural or human causes that cannot be reasonably treated, or (3) if a single well installed at the property cannot sustain a yield of 200 gallons per day. TDS concentrations in groundwater from the Site ranged from 440 to 920 mg/L (below the TDS criteria of 3,000 mg/L). Nevertheless, groundwater at the Site is non-potable based on the presence of HVOC contamination in groundwater at the Site (B-3 and B-6) which has migrated onto the Site from an off-Site source (SW-1 through SW-4). Because the source of HVOC contamination is not at the Site, no amount of excavation or treatment at the Site will remove the future presence of HVOCs in groundwater. Therefore, water at the Site is currently not a viable source for domestic or municipal water use.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Treadwell & Rollo has completed the Underground Tank Removal & Soil and Groundwater Report on behalf of The 311 Company, LLC for the property located at 311 Second Street in Oakland, California. The purpose of this report was to (1) document tank removal activities, (2) investigate potential sources of contamination that would explain previous detections of TPH-g in boring B-3 and TPH-d in boring B-6, and (3) evaluate if groundwater at the Site would be acceptable as a municipal or domestic source of water. Based on the results of this investigation, the following conclusions are made:

- The 1,000-gallon UST located in the southern corner of the Site was properly removed according to local, state, and federal regulations.
- All source material surrounding the former UST was over-excavated to cleanup goals specified by ACHCSA.
- The source of TPH-g previously detected in groundwater from boring B-3 is from the tank which was recently removed.
- The source of TPH-d previously detected in groundwater from boring B-6 is either localized around boring B-6 or never existed at the Site.
- Groundwater at the Site is not acceptable as a municipal or domestic source of water based on the presence of HVOCs which are migrating onto the Site from an off-Site source.

No further investigation is recommended. Because sources of contamination have either been identified or eliminated from consideration, we request formal approval of the SMP and SMP Addendum be granted. A subsequent report detailing all site mitigation activities performed during the development of the Site will be submitted under separate cover at a future date (upon completion of the development).

6.0 LIMITATIONS

Treadwell & Rollo prepared this report on behalf of The 311 Company, LLC. All conclusions and recommendations in this report concerning the Site are the professional opinions of the Treadwell & Rollo personnel involved with the project, and this report should not be considered a legal interpretation of existing environmental regulations. Opinions presented herein apply to Site conditions existing at the time of our assessment, and cannot necessarily be taken to apply to Site changes or conditions of which we are not aware and have not had the opportunity to evaluate.

Treadwell&Rollo

REFERENCES

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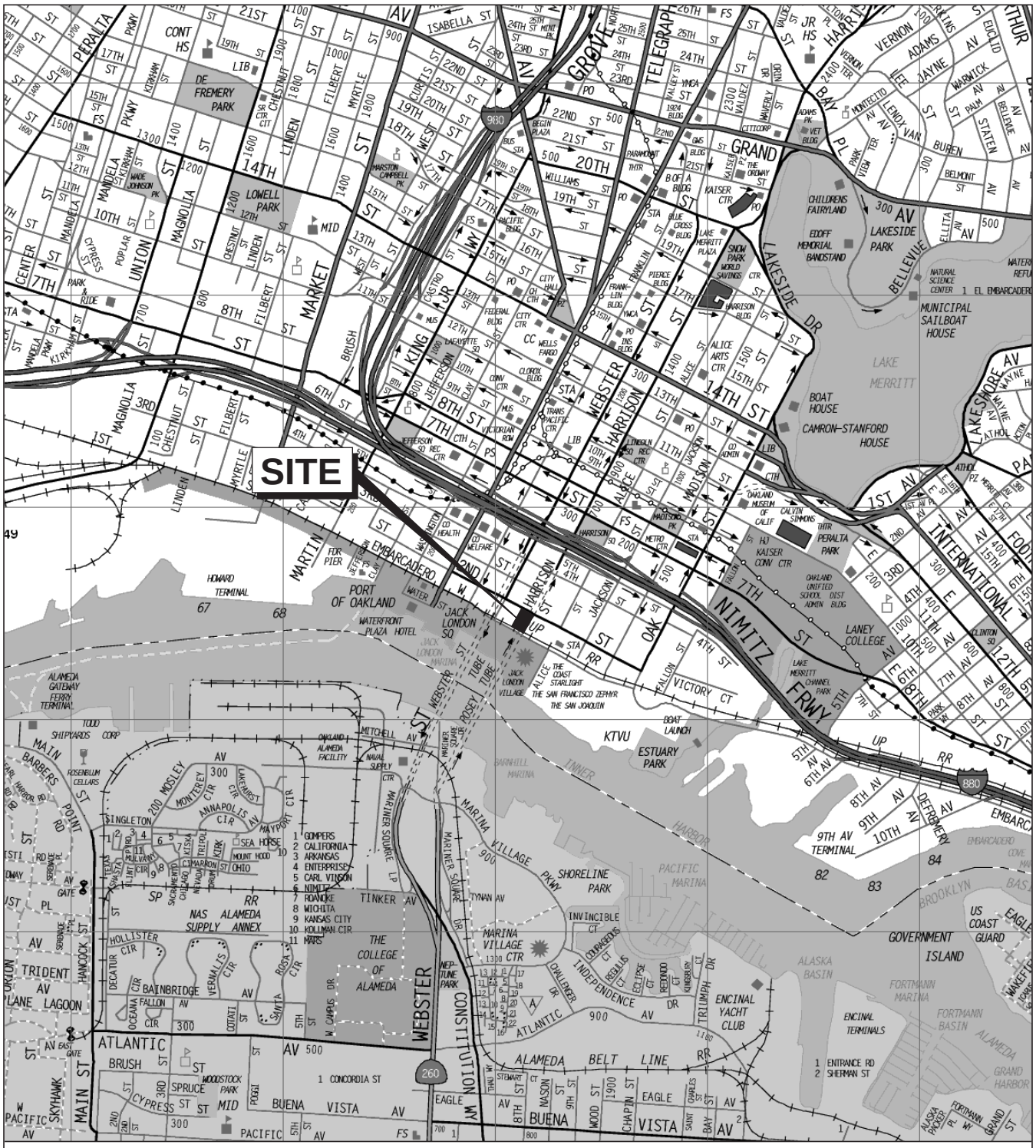
FIGURES



Base map: The Thomas Guide
Alameda County
1999

0 1/4 1/2 Mile

Approximate scale

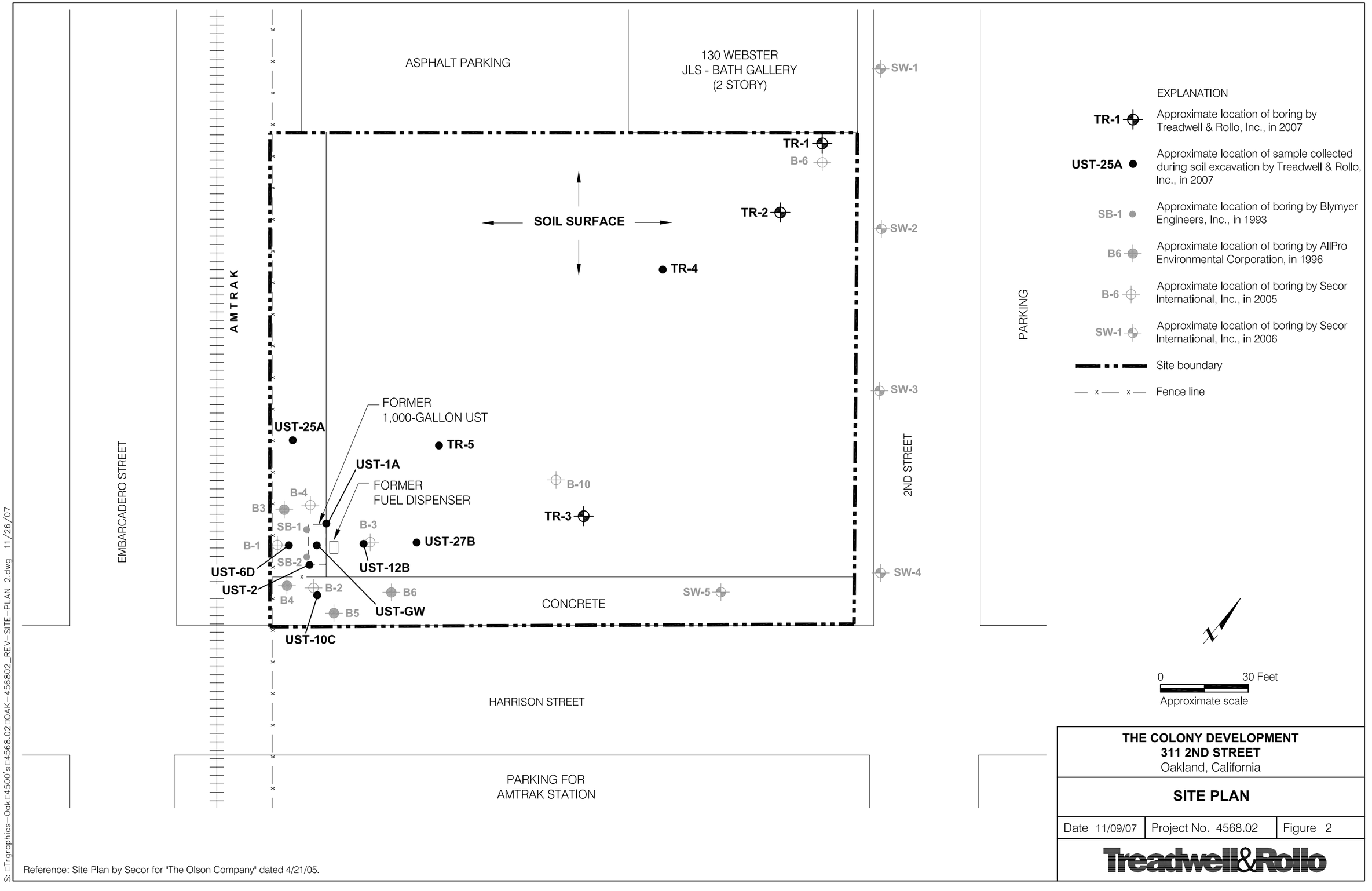
N

THE COLONY DEVELOPMENT
311 2ND ST REET
Oakland, California

SITE LO CATION MAP

Treadwell&Rollo

Date 03/23/07	Project No. 4568.02	Figure 1



Reference: Site Plan by Secor for "The Olson Company" dated 4/21/05.

THE COLONY DEVELOPMENT
311 2ND STREET
Oakland, California

SITE PLAN

Date 11/09/07	Project No. 4568.02	Figure 2

Treadwell&Rollo

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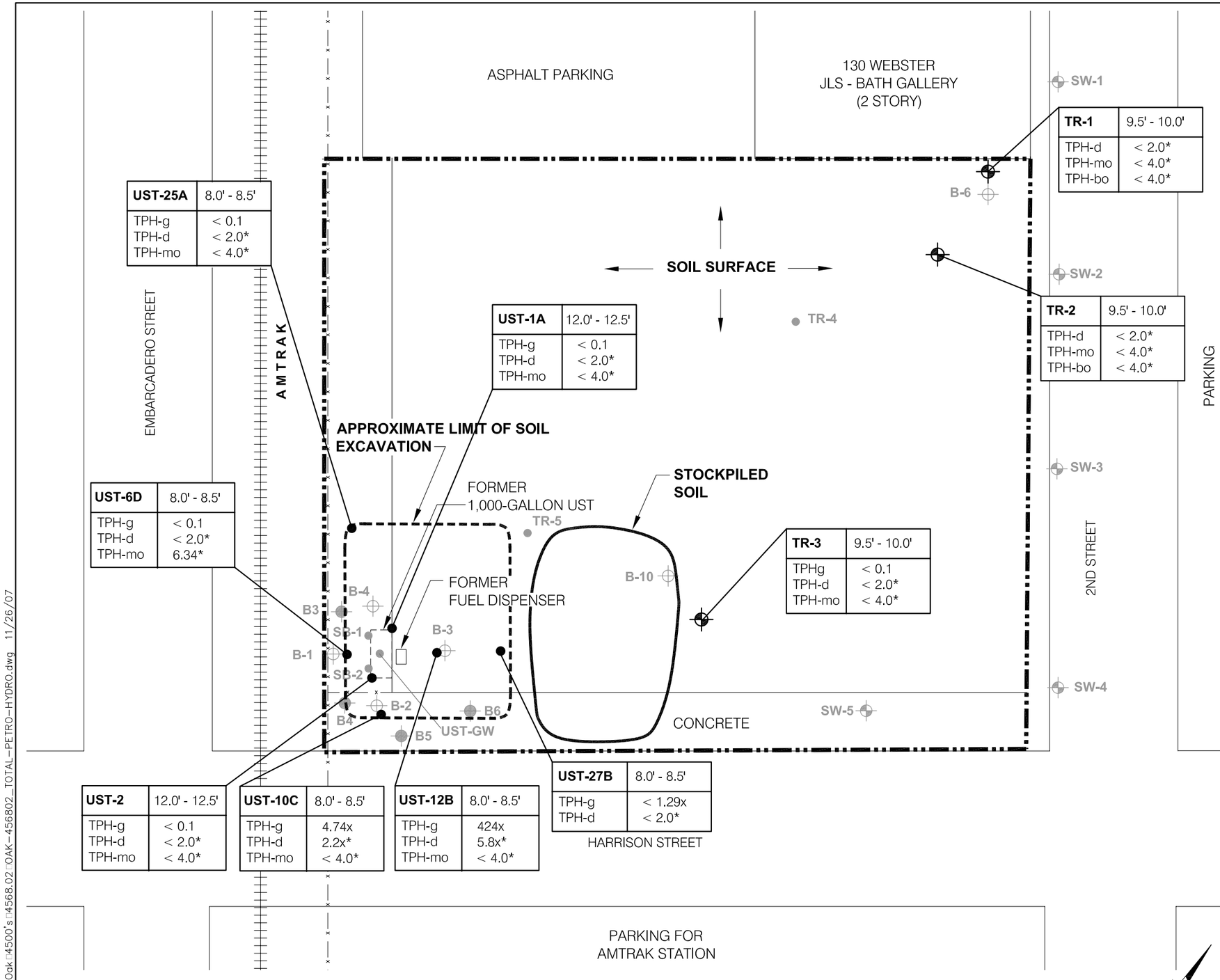

EXPLANATION

- TR-1 — Approximate location of boring by Treadwell & Rollo, Inc., in 2007
- UST-25A — Approximate location of sample collected during soil excavation by Treadwell & Rollo, Inc., in 2007
- SB-1 — Approximate location of boring by Blymyer Engineers, Inc., in 1993
- B6 — Approximate location of boring by AllPro Environmental Corporation, in 1996
- B-6 — Approximate location of boring by Secor International, Inc., in 2005
- SW-1 — Approximate location of boring by Secor International, Inc., in 2006
- Site boundary
- Fence line

Sample ID	Depth in feet below ground surface
Chemical Name	Concentrations (mg/kg)

All concentrations in milligrams per kilogram (mg/kg)

- TPH-g - Total petroleum hydrocarbons quantified as gasoline
- TPH-d - Total petroleum hydrocarbons quantified as diesel fuel
- TPH-mo - Total petroleum hydrocarbons quantified as motor oil
- TPH-bo - Total petroleum hydrocarbons quantified as bunker oil
- <0.1 - Concentration not detected above indicated laboratory method detection limit
- * - Silica gel cleanup
- x - Laboratory flag indicating that pattern does not match typical gasoline

Reference: Site Plan by Secor for "The Olson Company" dated 4/21/05.

0 30 Feet
Approximate scale

THE COLONY DEVELOPMENT
311 2ND STREET
Oakland, California

TOTAL PETROLEUM HYDROCARBONS IN SOIL - OCTOBER 2007

Date 11/08/07 | Project No. 4568.02 | Figure 3

Treadwell&Rollo

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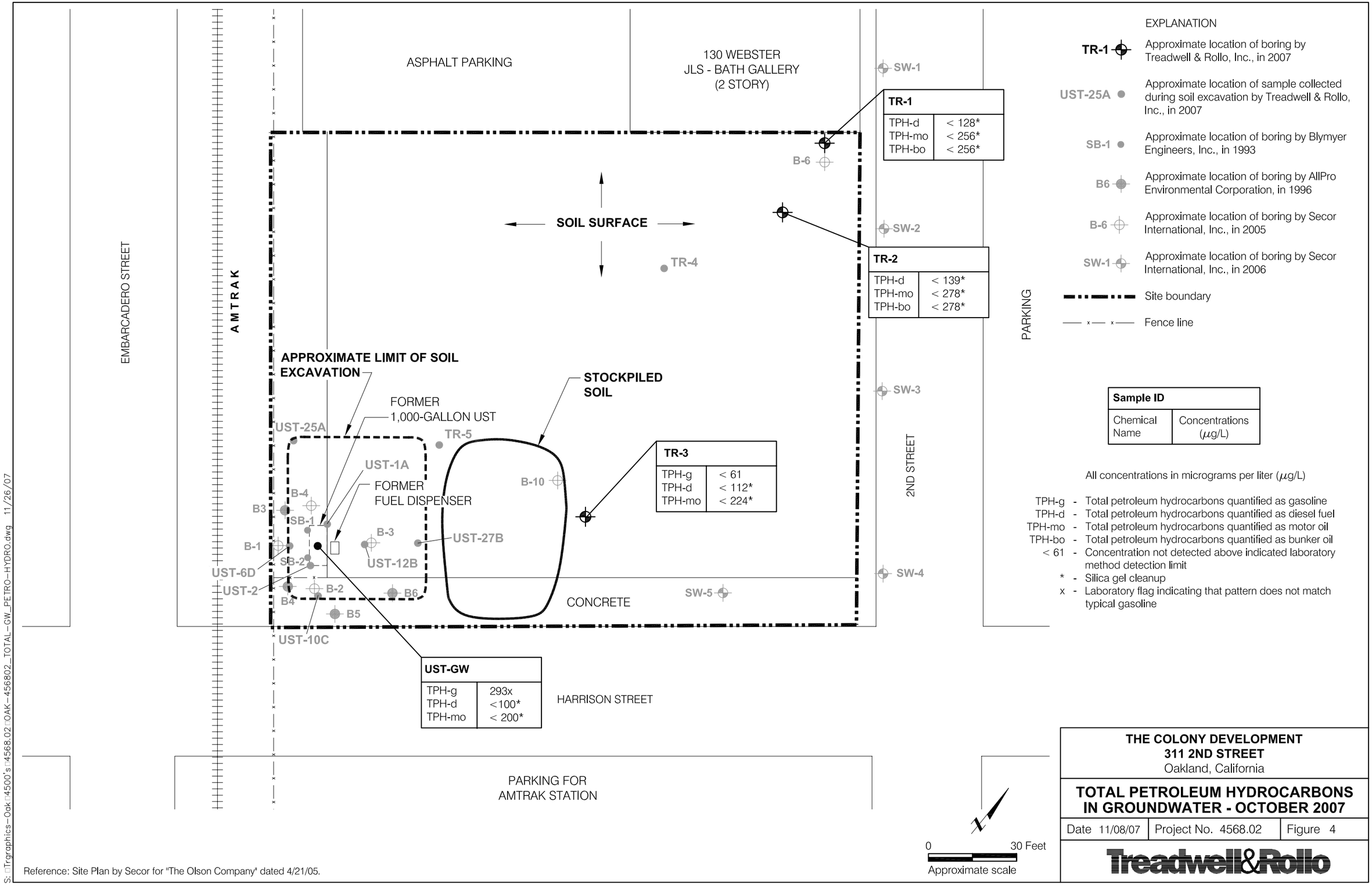

Reference: Site Plan by Secor for "The Olson Company" dated 4/21/05.

THE COLONY DEVELOPMENT
311 2ND STREET
Oakland, California

TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER - OCTOBER 2007

Date 11/08/07	Project No. 4568.02	Figure 4

Treadwell&Rollo

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TABLES

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TABLE 1
Total Petroleum Hydrocarbons in Soil
311 Second Street
Oakland, California

Sample ID	Sample Date	Sample Depth feet	TPH-g mg/kg	TPH-d mg/kg	TPH-mo mg/kg	TPH-bo mg/kg
SB-1	9/15/1993	5.5-6.0	<1.0	**4.2**	NA	NA
SB-2	9/15/1993	7.0-7.5	**34**	**15,000**	NA	NA
B3	3/20/1996	4.5-5.0	<1.0	<1.0	NA	NA
B4	3/20/1996	4.5-5.0	<1.0	<1.0	NA	NA
B5	3/20/1996	4.5-5.0	<1.0	<1.0	NA	NA
B6	3/20/1996	4.5-5.0	<1.0	**16**	NA	NA
B-1	5/3/2005	5.0-5.5	<0.5	**44**	NA	NA
B-1	5/3/2005	10-10.5	<0.5	**6**	NA	NA
B-2	5/3/2005	6.0-6.5	<0.5	**39**	NA	NA
B-3	5/3/2005	2.0-2.5	<0.5	NA	NA	NA
B-3	5/3/2005	5.0-5.5	**1.1**	NA	NA	NA
B-3	5/3/2005	7.0-7.5	**160**	**390**	NA	NA
B-3	5/3/2005	12.0-12.5	<0.5	<0.1	NA	NA
B-4	5/3/2005	5.0-5.5	<0.5	<0.1	NA	NA
B-6	5/3/2005	2.0-2.5	<0.5	NA	NA	NA
B-6	5/3/2005	5.0-5.5	<0.5	NA	NA	NA
B-6	5/3/2005	8.0-8.5	<0.5	<0.1	NA	NA
B-6	5/3/2005	12.0-12.5	<0.5	<0.1	NA	NA
B-10	5/3/2005	2.0-2.5	<0.5	NA	NA	NA
B-10	5/3/2005	5.0-5.5	<0.5	NA	NA	NA
UST-1A	10/5/2007	12.0-12.5	<0.1	<2.0*	<4.0*	NA
UST-2	10/5/2007	12.0-12.5	<0.1	<2.0*	<4.0*	NA
UST-25A	10/5/2007	8.0-8.5	<0.1	<2.0*	<4.0*	NA
UST-12B	10/5/2007	8.0-8.5	**424x**	**5.8x***	<4.0*	NA
UST-10C	10/5/2007	8.0-8.5	**4.74x**	**2.2x***	<4.0*	NA
UST-6D	10/5/2007	8.0-8.5	<0.1	<2.0*	**6.34***	NA
UST-27B	10/11/2007	8.0-8.5	**1.29x**	<2.0*	NA	NA
TR-1	10/16/2007	9.5-10.0	NA	<2.0*	<4.0*	<4.0*
TR-2	10/16/2007	9.5-10.0	NA	<2.0*	<4.0*	<4.0*
TR-3	10/16/2007	9.5-10.0	<0.1	<2.0*	<4.0*	NA
ESL (Table K-1)			400	400	400	400
ESL (Table K-3)			6,000	6,000	6,000	6,000

Notes
Detected concentrations are highlighted in **bold**
mg/kg = Milligrams per kilogram
TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
TPH-d = Total Petroleum Hydrcarbons quantified as diesel fuel
TPH-mo = Total Petroleum Hydrocarbons quantified as motor oil
TPH-bo = Total Petroleum Hydrocarbons quantified as bunker oil
* = Sample analyzed with Silica Gel Cleanup
x = Laboratory flag indicating that although TPH-g is present, pattern does not match typical gasoline. TPH-g result is elevated due to the presence of heavy hydrocarbons within the gasoline
< 1 = Not detected at the indicated laboratory detection limit
NA = Not analyzed
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table K-1): Direct Exposure, Residential
ESL (Table K-3): Direct Exposure, Construction/Trench Worker Exposure Scenario

TABLE 2
Volatile Organic Compounds in Soil
311 Second Street
Oakland, California

Sample ID	Sample Date	Sample Depth feet	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	EDB mg/kg	EDC mg/kg	MTBE mg/kg	ETBE mg/kg	DIPE mg/kg	TAME mg/kg	Other VOCs mg/kg
SB-1	9/15/1993	5.5-6.0	<0.0050	<0.0050	<0.0050	**0.0090**	NA	NA	NA	NA	NA	NA	NA
SB-2	9/15/1993	7.0-7.5	<0.0050	<0.0050	**0.65**	**0.82**	NA	NA	NA	NA	NA	NA	NA
B3	3/20/1996	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA
B4	3/20/1996	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA
B5	3/20/1996	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA
B6	3/20/1996	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA
B-1	5/3/2005	5.0-5.5	<0.001	<0.001	<0.001	**0.001**	NA	NA	<0.005	NA	NA	NA	1,2,4-Trimethylbenzene = **0.002** 1,3,5-Trimethylbenzene = **0.001** Other VOCs = ND
B-1	5/3/2005	10-10.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-2	5/3/2005	6.0-6.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-3	5/3/2005	2.0-2.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-3	5/3/2005	5.0-5.5	<0.001	<0.001	**0.07**	**0.005**	NA	NA	<0.005	NA	NA	NA	n-Butylbenzene = **0.014** isopropylbenzene = **0.004** p-isopropyltoluene = **0.003** Napthalene = **0.052** n-propylbenzene = **0.020** 1,2,4-Trimethylbenzene = **0.055** Other VOCs = ND
B-3	5/3/2005	7.0-7.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	n-Butylbenzene = **1.6** Isopropylbenzene = **0.82** Napthalene = **4.5** n-propylbenzene = **3.4** Other VOCs = ND
B-3	5/3/2005	12.0-12.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	Isopropylbenzene = **0.005** n-Propylbenzene = **0.009** Other VOCs = ND
B-4	5/3/2005	5.0-5.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-6	5/3/2005	2.0-2.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-6	5/3/2005	5.0-5.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-6	5/3/2005	8.0-8.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-6	5/3/2005	12.0-12.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	Tetrachlorethene = **0.004** Other VOCs = ND
ESL (Table K-1)			0.18	100	400	330	0.087	0.34	30	NE	NE	NE	Napthalene = 1.5 Tetrachloroethene = 0.43 All Others = ESLs NE
ESL (Table K-3)			16	650	400	420	4.6	31	2,500	NE	NE	NE	Napthalene = 97 Tetrachloroethene = 25 All Others = ESLs NE
ESL (Table E-1b)			0.18	130	390	310	8.9	0.025	2.0	NE	NE	NE	Napthalene = 0.46 Tetrachloroethene = 0.26 All Others = ESLs NE

TABLE 2
Volatile Organic Compounds in Soil
311 Second Street
Oakland, California

Sample ID	Sample Date	Sample Depth feet	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	EDB mg/kg	EDC mg/kg	MTBE mg/kg	ETBE mg/kg	DIPE mg/kg	TAME mg/kg	Other VOCs mg/kg
B-10	5/3/2005	2.0-2.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
B-10	5/3/2005	5.0-5.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	ND
UST-1	10/5/2007	12.0-12.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	NA
UST-2	10/5/2007	12.0-12.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	NA
UST-25a	10/5/2007	8.0-8.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	NA
UST-12b	10/5/2007	8.0-8.5	**0.1**	**0.042**	**0.18**	**0.46**	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	NA
UST-10c	10/5/2007	8.0-8.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	NA
UST-6d	10/5/2007	8.0-8.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	NA
ESL (Table K-1)			0.18	100	400	330	0.087	0.34	30	NE	NE	NE	Napthalene = 1.5 Tetrachloroethene = 0.43 All Others = ESLs NE
ESL (Table K-3)			16	650	400	420	4.6	31	2,500	NE	NE	NE	Napthalene = 97 Tetrachloroethene = 25 All Others = ESLs NE
ESL (Table E-1b)			0.18	130	390	310	8.9	0.025	2.0	NE	NE	NE	Napthalene = 0.46 Tetrachloroethene = 0.26 All Others = ESLs NE

Notes:
mg/kg = Milligrams per kilogram
Detected concentrations are highlighted in **bold**
ND = Not detected above laboratory detection limit which varies, see laboratory report
NA = Not analyzed
< 1 = Not detected above the indicated laboratory detection limit
BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes
Lead Scavengers = Ethylene Dibromide (EDB), Ethylene Dichloride (EDC)
Fuel Oxygenates = Methyl tert Butyl Ether (MTBE), Ethyl tert Butyl Ether (ETBE), Diisoopropyl Ether (DIPE), Tert amyl Methyl Ether (TAME)
Other VOCs = Other Volatile Organic Compounds, see laboratory report
ESL = Environmental Screening Levels (SF-RWQCB, 2005).
NE = ESL's not established for the indicated chemical
ESL (Table K-1): Direct Exposure, Residential
ESL (Table K-3): Direct Exposure, Construction/Trench Worker Exposure Scenario
ESL (Table E-1b): Soil Screening Levels for Evaluation of Potential Vapor Intrusion Concerns, Residential

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TABLE 3
Metals in Soil
311 Second Street
Oakland, California

Sample Number	Sample Date	Sample Depth	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Hg	V	Zn	Soluble Pb (WET)	Soluble Pb (TCLP)
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/L)	(mg/L)
SB-1	9/15/1993	5.5-6.0	NA	NA	NA	NA	NA	NA	NA	**71**	NA	NA	NA	NA	NA	NA
SB-2	9/15/1993	7.0-7.5	NA	NA	NA	NA	NA	NA	NA	**84**	NA	NA	NA	NA	NA	NA
B3	3/20/1996	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**58**	NA	NA	NA	NA	NA	NA
B4	3/20/1996	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**310**	NA	NA	NA	NA	NA	NA
B5	3/20/1996	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**9.3**	NA	NA	NA	NA	NA	NA
B6	3/20/1996	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**23**	NA	NA	NA	NA	NA	NA
B-1	5/3/2005	5.0-5.5	NA	NA	NA	NA	NA	NA	NA	**100**	NA	NA	NA	NA	**6.1**	NA
B-1	5/3/2005	10-10.5	NA	NA	NA	NA	NA	NA	NA	**1.9**	NA	NA	NA	NA	NA	NA
B-2	5/3/2005	6.0-6.5	NA	NA	NA	NA	NA	NA	NA	**47**	NA	NA	NA	NA	NA	NA
B-3	5/3/2005	2.0-2.5	**4.3**	**110**	<0.5	**0.52**	**27**	**4.8**	**57**	**160**	**16**	**2.0**	**22**	**130**	**7.8**	NA
B-3	5/3/2005	5.0-5.5	**2.1**	**54**	<0.5	<0.5	**30**	**3.5**	**7.3**	**8.3**	**12**	**0.04**	**19**	**18**	NA	NA
B-3	5/3/2005	7.0-7.5	NA	NA	NA	NA	NA	NA	NA	**3.0**	NA	NA	NA	NA	NA	NA
B-3	5/3/2005	12.0-12.5	NA	NA	NA	NA	NA	NA	NA	**3.0**	NA	NA	NA	NA	NA	NA
B-4	5/3/2005	5.0-5.5	NA	NA	NA	NA	NA	NA	NA	**1,200**	NA	NA	NA	NA	**25**	**1.2**
B-6	5/3/2005	2.0-2.5	**3.2**	**59**	<0.5	<0.5	**30**	**3.0**	**7.8**	**27**	**11**	**0.05**	**19**	**19**	NA	NA
B-6	5/3/2005	5.0-5.5	**1.8**	**30**	<0.5	<0.5	**32**	**2.2**	**5.1**	**3.9**	**10**	<0.02	**19**	**10**	NA	NA
B-6	5/3/2005	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**21**	NA	NA	NA	NA	NA	NA
B-6	5/3/2005	10-10.5	NA	NA	NA	NA	NA	NA	NA	**2.8**	NA	NA	NA	NA	NA	NA
B-10	5/3/2005	2.0-2.5	**6**	**130**	<0.5	**0.85**	**19**	**5.4**	**870**	**320**	**16**	**0.81**	**21**	**410**	**19**	NA
B-10	5/3/2005	5.0-5.5	**2.3**	**50**	<0.5	<0.5	**24**	**2.5**	**16**	**180**	**11**	**0.08**	**17**	**36**	**4.8**	NA
UST-1A	10/5/2007	12.0-12.5	NA	NA	NA	NA	NA	NA	NA	**1.8**	NA	NA	NA	NA	NA	NA
UST-2	10/5/2007	12.0-12.5	NA	NA	NA	NA	NA	NA	NA	**2.0**	NA	NA	NA	NA	NA	NA
UST-25a	10/5/2007	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**45**	NA	NA	NA	NA	NA	NA
UST-12b	10/5/2007	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**2.1**	NA	NA	NA	NA	NA	NA
UST-10c	10/5/2007	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**5.2**	NA	NA	NA	NA	NA	NA
UST-6d	10/5/2007	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**210**	NA	NA	NA	NA	NA	NA
TR-1	10/16/2007	9.5-10.0	NA	NA	NA	NA	NA	NA	NA	**3.4**	NA	NA	NA	NA	NA	NA
TR-2	10/16/2007	9.5-10.0	NA	NA	NA	NA	NA	NA	NA	**2.0**	NA	NA	NA	NA	NA	NA
TR-3	10/16/2007	9.5-10.0	NA	NA	NA	NA	NA	NA	NA	**1.7**	NA	NA	NA	NA	NA	NA
TR-4	10/16/2007	9.5-10.0	NA	NA	NA	NA	NA	NA	NA	**2.6**	NA	NA	NA	NA	NA	NA
TR-5	10/16/2007	9.5-10.0	NA	NA	NA	NA	NA	NA	NA	**2.3**	NA	NA	NA	NA	NA	NA
Background			5.5	130	0.42	5.6	58	14	32	7.0	68	0.5	46	64	NA	NA
TTLC - (mg/kg)			500	10,000	75	100	2,500	8,000	2,500	1,000	2,000	20	2,400	5,000	NA	NA
STLC (mg/L)			5.0	100	0.75	1.0	5	80	25	5.0	20	0.2	24	250	5.0	NA
RL (mg/L)			5.0	100	NA	1.0	5	NA	NA	5.0	NA	0.2	NA	NA	NA	5.0
ESL (Table K-1)			5.5*	100	29	1.7	58*	10	610	255**	310	4	110	4,600	NA	NA
ESL (Table K-3)			5.5*	2,500	36	38	58*	10	28,000	750	1,000	98	5,000	210,000	NA	NA

TABLE 3
Metals in Soil
311 Second Street
Oakland, California

Notes:
mg/kg = Milligrams per kilogram
mg/L = Milligrams per liter
Total metals include arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), nickel (Ni), mercury (Hg), vanadium (V), and zinc (Zn)
WET = Waste Extraction Test
TCLP = Toxicity Characteristic Leaching Procedure
< 1 = Not detected above the indicated laboratory detection limit
ND = Not detected above laboratory detection limit which varies, see laboratory report
NA = Not Analyzed or Not Applicable
Detected concentrations are highlighted in **bold**.
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table K-1): ESL for Direct Exposure, Residential
ESL (Table K-2): Direct Exposure, Construction/Trench Worker Exposure Scenario
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
RL = Regulatory Level, Criteria for a Federal Hazardous Waste
BKG = Maximum detected concentration is less than background and not evaluated further

Notes:
5.5* = Table B ESL in soil for residential land-use where groundwater is not current or potential source of drinking water. Considers background concentrations and human health risk exposure.

255** = 2003 lead in soil ESL for residential land-use that assumes no consumption of home grown produce cultivated in lead-affected soil.

Background = Average Concentrations from LBNL, 2002. If no average concentration available, then value was selected from the following 95th percentile, 99th percentile, or median of detected concentrations (in order, depending upon available values).

LBNL, 2002 = Lawrence Berkeley National Laboratory, 2002, Analysis of Background Distributions of Metals in Soil at Lawrence Berkeley National Laboratory. Envrionmental Restoration Program, June 2002.

TABLE 4
Groundwater Analytical Results
311 Second Street
Oakland, California

Sample ID	Sample Date	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	TPH-bo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	MTBE µg/L	TDS mg/L	Other VOCs µg/L	Lead mg/L	Organic Lead mg/L
SB-2	9/15/1993	**85**	**5,500**	NA	NA	**2.7**	**0.66**	<0.50	**0.51**	NA	NA	NA	<0.0050	NA
B3	3/20/1996	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**0.049***	NA
B4	3/20/1996	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**1.7***	NA
B5	3/20/1996	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**0.68***	NA
B6	3/20/1996	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**0.49***	NA
B-1	5/3/2005	<0.50	**11,000**	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	ND	NA	NA
B-2	5/3/2005	<0.50	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	ND	NA	NA
B-3	5/3/2005	**5,300**	**200**	NA	NA	**15**	**6.0**	**51**	**30.5**	<1.0	NA	n-Butylbenzene = **60** sec-Butylbenzene = **20** p-isopropylbenzene = **57** p-isopropyltoluene = **3.3** Napthalene = **160** n-propylbenzene = **160** 1,2,4-Trimethylbenzene = **90** 1,3,5-Trimethylbenzene = **24**	NA	NA
B-4	5/3/2005	<0.50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	ND	NA	NA
B-6	5/3/2005	<0.50	**8,100**	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	Tetrachloroethene = **8.2** Trichloroethene = **1.5** 1,2-Dichloroethane = **1.0** cis-1,2-Dichloroethene = **0.7**	NA	NA
SW-1	5/10/2006	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	Tetrachloroethene = **24** Trichloroethene = **1.3** 1,2-Dichloroethane = **1.9**	NA	NA
SW-2	5/10/2006	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	Tetrachloroethene = **11** Trichloroethene = **22** 1,2-Dichloroethane = **7.7** cis-1,2-Dichloroethene = **3.8** Diisopropyl Ether = **5.4**	NA	NA
ESL (Table B)		500	640	640	640	46	130	290	100	1,800	NE	Napthalene = 24 Tetrachloroethene = 120 Trichloroethene = 360 1,2-Dichloroethane = 200 cis-1,2-Dichloroethene = 590 trans-1,2-Dichloroethene = 590 All Others = NE	2.5	NA
ESL (Table E-1a)		NE	NE	NE	NE	540	380,000	170,000	160,000	24,000	NE	Napthalene = 3,200 Tetrachloroethene = 120 Trichloroethene = 530 1,2-Dichloroethane = 200 cis-1,2-Dichloroethene = 6,200 trans-1,2-Dichloroethene = 6,700 All Others = ESLs not available	NE	NA

TABLE 4
Groundwater Analytical Results
311 Second Street
Oakland, California

Sample ID	Sample Date	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	TPH-bo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	MTBE µg/L	TDS mg/L	Other VOCs µg/L	Lead mg/L	Organic Lead mg/L
SW-3	5/10/2006	<500	<400	<400	NA	NA	NA	NA	NA	**1.1**	NA	Tetrachloroethene = **18** Trichloroethene = **130** 1,2-Dichloroethane = **11** cis-1,2-Dichloroethene = **7.9** trans-1,2-Dichloroethene = **0.9** Diisopropyl Ether = **5.1**	NA	NA
SW-4	5/10/2006	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	Tetrachloroethene = **2.4** Trichloroethene = **16** 1,2-Dichloroethane = **5.0** cis-1,2-Dichloroethene = **5.3**	NA	NA
SW-5	5/10/2006	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	ND	NA	NA
UST-GW	10/5/2007	**293x**	<100**	<200**	NA	<0.5	**1.14**	**4.68**	**16**	<0.5	**920**	NA	<0.015	<0.005
TR-1	10/16/2007	NA	<128**	<256**	<256**	NA	NA	NA	NA	NA	**460**	NA	NA	NA
TR-2	10/16/2007	NA	<139**	<278**		NA	NA	NA	NA	NA	**440**	NA	NA	NA
TR-3	10/16/2007	<61	<112**	<224**	NA	NA	NA	NA	NA	NA	**700**	NA	NA	NA
ESL (Table B)		500	640	640	640	46	130	290	100	1,800	NE	Napthalene = 24 Tetrachloroethene = 120 Trichloroethene = 360 1,2-Dichloroethane = 200 cis-1,2-Dichloroethene = 590 trans-1,2-Dichloroethene = 590 All Others = NE	2.5	
ESL (Table E-1a)		NE	NE	NE	NE	540	380,000	170,000	160,000	24,000	NE	Napthalene = 3,200 Tetrachloroethene = 120 Trichloroethene = 530 1,2-Dichloroethane = 200 cis-1,2-Dichloroethene = 6,200 trans-1,2-Dichloroethene = 6,700 All Others = ESLs not available	NE	

Notes:
µg/L = Micrograms per liter
mg/L = Milligrams per liter
Detected concentrations are highlighted in **bold**.
TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
TPH-d = Total Petroleum Hydrcarbons quantified as diesel fuel
TPH-mo = Total Petroleum Hydrocarbons quantified as motor oil
MTBE = Methyl tert Butyl Ether
VOCs = Volatile Organic Compounds (see laboratory data sheets for complete list of VOCs analyzed)
x = Laboratory flag indicating that although TPH-g is present, pattern does not match typical gasoline. TPH-g result is elevated due to the presence of heavy hydrocarbons within the gasoline range.

Notes:
< 1 = indicates not detected at the indicated laboratory detection limit
ND = Not detected at or greater than the laboratory detection limit which varies, see laboratory report
NA = Not analyzed
NE = Not Established
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table B): Shallow soils (<m bgs) where groundwater is not a current or potential source of drinkning water
ESL (Table E-1a): Groundwater Screening Levels for Evaluation of Potential Indoor-Air Impacts, high permeability
* = Groundwater sample was preserved before being filtered and are therefore erroneous.
** = Groundwater sample analyzed with Silica Gel Cleanup

APPENDIX A
Tank Removal Report by Environmental Resources Group

Environmental Resource Group_____

1038 Redwood Hwy. Suite 1
Mill Valley, CA 94925
Phone (415) 381-6574
Fax (415) 381-6320

November 20th, 2007

Mr. Ken Defiebre
The 311 Company, LLC
c/o KSD Group, Inc.
Concord Ave.,
Concord, California

RE: UNDERGROUND STORAGE TANK REMOVAL REPORT
311 2nd Street, Oakland, CA

Dear Mr. Defiebre:

Enclosed is the "Underground Storage Tanks Removal Report" documenting activities associated with removal of the three underground storage tank (UST) at the site located at 311 2nd Street, Oakland, California.

UST removal activities were performed in accordance with the City of Oakland Fire Prevention Bureau regulations.

Please feel free to contact me if you have any questions or comments concerning this report.

Sincerely,

Benjamin Wells
Principal Geologist

cc: Dave Bell, San Jose Construction
Glenn Leong, Treadwell and Rollo

UNDERGROUND STORAGE TANK REMOVAL REPORT
311 2nd Street
Oakland, California

Prepared for:
311 Company LLC
c/o KSD Group,
1200 Concord Ave., Suite 170,
California 94520

Prepared by:

Environmental Resource Group
1038 Redwood Hwy., Suite 1
Mill Valley, California 94941
(415) 381-6574

_____

Benjamin Wells
Principal Geologist

November 20th, 2007

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TABLES (provided by Treadwell and Rollo)

FIGURES (provided by Treadwell and Rollo)

APPENDICES

1.0 INTRODUCTION

This Underground Storage Tank Removal Report (UST Removal Report) was prepared by Environmental Resource Group. Inc. (ERG) on behalf of the The 311 Company, LLC, for the property located at 311 2nd Street, Oakland, California ("the Site"; Plate 1). This report presents the results of UST removal actions performed at the Site during September and October 2007. The UST removal was performed in accordance with the scope of work presented in ERG's Application to Remove Underground Storage Tank submitted to City of Oakland Fire Prevention Bureau (OFPB), the Underground Storage Tank Removal Workplan submitted to OFPB and San Jose Construction, a Site Health and Safety Plan for 311 2nd Street, Oakland, California, and the Treadwell and Rollo Site Management Plan (SMP) submitted to Alameda County Health Care Services Agency (ACHCSA). ERG is a California licensed contractor (CSL 740879 A, B, Haz).

2.0 BACKGROUND

2.1 Site Description

The Site is a now vacant parcel located at 311 2nd Street, Oakland, California. The site is bound to the northwest by the showroom and offices of Jack London Square Bath Gallery (130 Webster St.), a second office building (110 Webster St.), and an asphalt parking lot with Webster Street further to the; to the northeast by Second Street with parking and offices to the east; to the southwest by Amtrak railway with Embarcadero Street and a parking lot further to the west. Figure 2. presents the site vicinity map.

2.2 Site History

A small commercial building occupied the site and was operated as a steel fabricating and welding shop from 150 to 1957. According to George Meyer, a previous owner, a buried UST was onsite when he purchased the property in 1978. The UST was a 1,000 gallon tank closed in place prior to 1976. (Blymer, 1993).

In 1993 Blymer Engineers conducted a closure assessment. In addition, in 1996 AllPro Environmental Corporation conducted a Soil and Groundwater Investigation to pursue Tank Closure. Alameda County Health Care Services Agency (ACHCSA) issued a "No Further Action" based on the results of this investigation. Secor International, Inc. (Secor) prepared a Phase I Environmental Site Assessment dated April 200 and a Phase II Environmental Site Assessment dated May 2005

ERG submitted an Application to Remove Underground Storage Tanks, the Underground Storage Tank Removal Workplan and a Site Health and Safety Plan for 311 2nd Street, Oakland, CA, to the City of Oakland Fire Prevention Bureau.

3.0 UST REMOVAL ACTIVITIES

3.1 Pre UST Removal

Prior to excavation, on September 27th, 2007 ERG conducted a site walk to inspect the tank prior to its removal. ERG contacted Subsurface Locating Services (SLS) to identify the tank and size of the tank. Upon inspection the tank was found to contain oily water and was not filled with concrete as previously thought. ERG contacted the Oakland Fire Prevention Bureau to confirm our permit was valid. ERG contacted Clearwater Environmental to remove oily water from the UST. The UST was then triple rinsed using a high-pressure water sprayer and Simple Green cleaner. The rinsate was added to the oily water removed from the UST. A total of 1050 gallons of oily water was transported by Clearwater for disposal. Appendix B presents the Uniform Hazardous Waste Manifest for the disposal.

3.2 UST Removal

The UST removal activities were performed on October 3rd, in accordance with Oakland Fire Prevention Bureau regulations and were observed by Fire Marshal Keith Matthews of the Oakland Fire Prevention Bureau and Louis M. Arighi of Treadwell and Rollo.

Prior to the UST removal all relevant permits were obtained from the City of Oakland, Fire Prevention Bureau Certified Unified Program Agency (Appendix A). Notification was also made to the Bay Area Air Quality Management District that a UST were being removed. Underground Service Alert (USA) was notified that excavation was planned at the site, USA notified those utility companies with underground utilities in the area to locate and mark their utilities.

On October 3rd, 2007, the UST was exposed at a depth of approximately 3.5 feet bgs. Plate 2 presents the UST Excavation Area and Sample Locations. The client obtained a one-time use EPA ID Waste generator number for the disposal. Prior to removal ERG filled the tank with approximately 200lbs of dry ice. ERG removed the tank and it was placed on a truck for transportation and disposed of by Ecology Control Industries (ECI) at their facility in Richmond, California. The Uniform Hazardous Waste Manifest is located in Appendix B. Appendix F contains photos of the UST's removal.

3.3 Soil Excavation

ERG excavated approximately 500 yards of contaminated soil in the area of the UST. Upon completion Mr. Arighi of Treadwell and Rollo collected sidewall samples at the outer edge of the excavation. The sample UST-12B-8.0, furthest east of the excavation was above the limits required by ACHCSA and set out in the Site Management Plan (SMP). On October 22nd, 2007 ERG conducted additional over excavation of approximately 500 yards of soil. The excavated soil was stockpiled on and covered with plastic sheeting. Upon completion Mr. Arighi collected a sidewall sample, UST-27B-8.0 at the east edge of the excavation. This samples concentrations were below the levels set out by ACHCSA in the SMP and the results of this sample is located in Table.

3.4 Soil Sampling Following Excavation

Mr. Arighi of Treadwell and Rollo collected soil samples from the excavation sidewalls at approximately 8.0 feet bgs and from the bottom of the excavation at approximately 12 feet bgs after removal of the UST to assess the presence and concentration of residual petroleum hydrocarbons. All of the soil samples were collected on October 3rd, 2007. The four sidewall samples were labeled UST–25a-8.0, UST-12b-8.0, UST-6d-8.0 and UST-10c-8.0 (Plate 2). The samples from the bottom of the excavation were labeled UST-1a-12.0 and UST-2-12.0 (Plate 2.).

Each soil sample was collected in a stainless steel tube. The sample tube was covered with Teflon and plastic caps at each end. Following collection, the soil samples were properly labeled and placed in a chilled cooler and delivered to Torrent Laboratory, of Milpitas, California. Chain-of-custody protocol was followed during sampling procedures and transport to the analytical laboratory.

3.5 Soil Sample Results

The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015m, diesel (TPHd) by 8015m, MTBE, fuel oxygenates and lead scavengers by GC/MS by EPA Method 8260B and for Total Lead by EPA Method 6010b. The laboratory analytical results are presented in Treadwell and Rollo's Table 1, Table 2 and Table 3; copies of the chain-of-custody forms and laboratory certificates are presented in Appendix D.

3.6 Rainwater Removal and Disposal

On October 23rd, 2007, prior to backfilling approximately 10,000 gallons of impacted groundwater was removed from the excavation by Clearwater Environmental Management, Inc. The non hazardous waste manifest is located in Appendix B.

3.7 Sampling of Groundwater Within the Excavation

Mr. Arighi of Treadwell and Rollo collected one sample of groundwater from the excavation, labeled UST-GW-12.0. The sample was properly labeled and placed in a chilled cooler and delivered to Torrent Laboratory, of Milpitas, California. Chain-of-custody protocol was followed during sampling procedures and transport to the analytical laboratory. The results of this sample are presented in Table 4.

4.0 SOIL REMOVAL AND DISPOSAL

ERG profiled the contaminated soil with Altamont Landfill as Class II material. ERG removed and disposed of approximately 1,054 tons of soil on October 19th and October 22nd, 2007. Intrinsic Transportation hauled the contaminated soil to Altamont Landfill. Hazardous Waste Manifests are located in Appendix E.

5.0 SUMMARY AND CONCLUSIONS

One 1,000 gallon underground storage tank was removed from the site by ERG. ERG excavated contaminated soil and removed and disposed of the soil at Altamont Landfill. The bottom of the excavation at approximately 12 feet bgs was then backfilled with a Geo liner, two feet of drain rock, another Geo liner and clean imported soil and was compacted to 95%.

6.0 LIMITATION

ERG assumes no responsibility or liability for the reliance hereon or hereof of the information contained in this report by anyone other than the party to whom it is addressed.

7.0 SIGNATURE PAGE

_____ _____

Benjamin Wells Date
President

TABLES

Treadwell&Rollo

TABLE 1
Total Petroleum Hydrocarbons in Soil
311 Second Street
Oakland, California

Sample ID	Sample Date	Sample Depth	TPH-g	TPH-d	TPH-mo	TPH-bo
		feet	mg/kg	mg/kg	mg/kg	mg/kg
SB-1 5.5-6.0'	9/15/93	5.5-6.0	<1.0	**4.2**	NA	NA
SB-2 7.0-7.5'	9/15/93	7.0-7.5	**34**	**15,000**	NA	NA
B3-4.5	3/20/96	4.5-5.0	<1.0	<1.0	NA	NA
B4-4.5	3/20/96	4.5-5.0	<1.0	<1.0	NA	NA
B5-4.5	3/20/96	4.5-5.0	<1.0	<1.0	NA	NA
B6-4.5	3/20/96	4.5-5.0	<1.0	**16**	NA	NA
B-1	5/3/05	5.0-5.5	<0.5	**44**	NA	NA
B-1	5/3/05	10-10.5	<0.5	**6**	NA	NA
B-2	5/3/05	6.0-6.5	<0.5	**39**	NA	NA
B-3	5/3/05	2.0-2.5	<0.5	NA	NA	NA
B-3	5/3/05	5.0-5.5	**1.1**	NA	NA	NA
B-3	5/3/05	7.0-7.5	**160**	**390**	NA	NA
B-3	5/3/05	12.0-12.5	<0.5	<0.1	NA	NA
B-4	5/3/05	5.0-5.5	<0.5	<0.1	NA	NA
B-6	5/3/05	2.0-2.5	<0.5	NA	NA	NA
B-6	5/3/05	5.0-5.5	<0.5	NA	NA	NA
B-6	5/3/05	8.0-8.5	<0.5	<0.1	NA	NA
B-6	5/3/05	12.0-12.5	<0.5	<0.1	NA	NA
B-10	5/3/05	2.0-2.5	<0.5	NA	NA	NA
B-10	5/3/05	5.0-5.5	<0.5	NA	NA	NA
UST-1	10/5/07	12.0-12.5	<0.1	<2.0*	<4.0*	NA
UST-25a	10/5/07	8.0-8.5	<0.1	<2.0*	<4.0*	NA
UST-12b	10/5/07	8.0-8.5	**424x**	**5.8x***	<4.0*	NA
UST-10c	10/5/07	8.0-8.5	**4.74x**	**2.2x***	<4.0*	NA
UST-6d	10/5/07	8.0-8.5	<0.1	<2.0*	**6.34***	NA
UST-27b	10/11/07	8.0-8.5	**1.29x**	<2.0*	NA	NA
TR-1	10/16/07	9.5-10.0	NA	<2.0*	<4.0*	<4.0*
TR-2	10/16/07	9.5-10.0	NA	<2.0*	<4.0*	<4.0*
TR-3	10/16/07	9.5-10.0	<0.1	<2.0*	<4.0*	NA
ESL (Table K-1)			400	400	400	400
ESL (Table K-3)			6,000	6,000	6,000	6,000

Notes
Detected concentrations are highlighted in **bold**
mg/kg = Milligrams per kilogram
TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
TPH-d = Total Petroleum Hydrcarbons quantified as diesel fuel
TPH-mo = Total Petroleum Hydrocarbons quantified as motor oil
TPH-bo = Total Petroleum Hydrocarbons quantified as bunker oil
* = Sample analyzed with Silica Gel Cleanup
x = Laboratory flag indicating that although TPH-g is present, pattern does not match typical gasoline. TPH-g result is raised due to the presence of heavy hydrocarbons within the gasoline range.
ND = Not detected at or greater than laboratory detection limit which varies, see laboratory report
< 1 = Not detected at the indicated laboratory detection limit
NA = Not analyzed
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table K-1): Direct Exposure, Residential
ESL (Table K-3): Direct Exposure, Construction/Trench Worker Exposure Scenario

TABLE 2
Volatile Organic Compounds in Soil
311 Second Street
Oakland, California

			BTEX				Lead Scavengers		Fuel Oxygenates					Other VOCs							
Sample ID	**Sample Date**	**Sample Depth**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**EDB**	**EDC**	**MTBE**	**ETBE**	**DIPE**	**TAME**	**t-But**	**1,2,4-TMB**	**1,3,5-TMB**	**n-But**	**isopropylbenzene**	**p-isopropyl toluene**	**n-propyl benzene**	**PCE**	**Other VOCs**
		feet	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg								mg/kg
SB-1 5.5-6.0'	9/15/93	5.5-6.0	<0.0050	<0.0050	<0.0050	**0.0090**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-2 7.0-7.5'	9/15/93	7.0-7.5	<0.0050	<0.0050	**0.65**	**0.82**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B3-4.5	3/20/96	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-4.5	3/20/96	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B5-4.5	3/20/96	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B6-4.5	3/20/96	4.5-5.0	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-1	5/3/05	5.0-5.5	<0.001	<0.001	<0.001	**0.001**	NA	NA	<0.005	NA	NA	NA	NA	**0.002**	**0.001**	ND	ND	ND	ND	ND	1,2,4-Trimethylbenzene = **0.002** 1,3,5-Trimethylbenzene = **0.001** Other VOCs = ND
B-1	5/3/05	10-10.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
B-2	5/3/05	6.0-6.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
B-3	5/3/05	2.0-2.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
B-3	5/3/05	5.0-5.5	<0.001	<0.001	**0.07**	**0.005**	NA	NA	<0.005	NA	NA	NA	NA								n-Butylbenzene = **0.014** isopropylbenzene = **0.004** p-isopropyltoluene = **0.003** Napthalene = **0.052** n-propylbenzene = **0.020** 1,2,4-Trimethylbenzene = **0.055** Other VOCs = ND
B-3	5/3/05	7.0-7.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								n-Butylbenzene = **1.6** Isopropylbenzene = **0.82** Napthalene = **4.5** n-propylbenzene = **3.4** Other VOCs = ND
B-3	5/3/05	12.0-12.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								Isopropylbenzene = **0.005** n-Propylbenzene = **0.009** Other VOCs = ND
B-4	5/3/05	5.0-5.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								ND
B-6	5/3/05	2.0-2.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								ND
B-6	5/3/05	5.0-5.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								ND
B-6	5/3/05	8.0-8.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								ND
B-6	5/3/05	12.0-12.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								Tetrachlorethene = **0.004** Other VOCs = ND
B-10	5/3/05	2.0-2.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								ND
B-10	5/3/05	5.0-5.5	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.005	NA	NA	NA	NA								ND
UST-1	10/5/07	12.0-12.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.050								NA
UST-2	10/5/07	12.0-12.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.050								NA
UST-25a	10/5/07	8.0-8.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.050								NA
UST-12b	10/5/07	8.0-8.5	**0.1**	**0.042**	**0.18**	**0.46**	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.250								NA
UST-10c	10/5/07	8.0-8.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.050								NA
UST-6d	10/5/07	8.0-8.5	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.050								NA
ESL (Table K-1)			0.18	100	400	330	0.087	0.34	30	NE	NE	NE	NE								Napthalene = 1.5 Tetrachloroethene = 0.43 All Others = ESLs NE
ESL (Table K-3)			16	650	400	420	4.6	31	2,500	NE	NE	NE	NE								Napthalene = 97 Tetrachloroethene = 25 All Others = ESLs NE
ESL (Table E-1b)			0.18	130	390	310	8.9	0.025	2.0	NE	NE	NE	NE								Napthalene = 0.46 Tetrachloroethene = 0.26 All Others = ESLs NE

Notes:
mg/kg = Milligrams per kilogram
MTBE = Methyl tert Butyl Ether
Other VOCs = Other Volatile Organic Compounds, see laboratory report
Detected concentrations are highlighted in **bold**
ND = Not detected above laboratory detection limit which varies, see laboratory report
< 1 = Not detected above the indicated laboratory detection limit
NA = Not analyzed
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table K-1): Direct Exposure, Residential
ESL (Table K-3): Direct Exposure, Construction/Trench Worker Exposure Scenario
ESL (Table E-1b): Soil Screening Levels for Evaluation of Potential Vapor Intrusion Concerns, Residential

TABLE 3
Metals in Soil
311 Second Street
Oakland, California

Sample Number	Sample Date	Sample Depth	Ar	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Hg	V	Zn	Soluble Pb (WET)	Soluble Pb (TCLP)
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/L)	(mg/L)
SB-1 5.5-6.0'	9/15/93	5.5-6.0	NA	NA	NA	NA	NA	NA	NA	**71**	NA	NA	NA	NA	NA	NA
SB-2 7.0-7.5'	9/15/93	7.0-7.5	NA	NA	NA	NA	NA	NA	NA	**84**	NA	NA	NA	NA	NA	NA
B3-4.5	3/20/96	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**58**	NA	NA	NA	NA	NA	NA
B4-4.5	3/20/96	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**310**	NA	NA	NA	NA	NA	NA
B5-4.5	3/20/96	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**9.3**	NA	NA	NA	NA	NA	NA
B6-4.5	3/20/96	4.5-5.0	NA	NA	NA	NA	NA	NA	NA	**23**	NA	NA	NA	NA	NA	NA
B-1	5/3/05	5.0-5.5	NA	NA	NA	NA	NA	NA	NA	**100**	NA	NA	NA	NA	**6.1**	NA
B-1	5/3/05	10-10.5	NA	NA	NA	NA	NA	NA	NA	**1.9**	NA	NA	NA	NA	NA	NA
B-2	5/3/05	6.0-6.5	NA	NA	NA	NA	NA	NA	NA	**47**	NA	NA	NA	NA	NA	NA
B-3	5/3/05	2.0-2.5	**4.3**	**110**	<0.5	**0.52**	**27**	**4.8**	**57**	**160**	**16**	**2.0**	**22**	**130**	**7.8**	NA
B-3	5/3/05	5.0-5.5	**2.1**	**54**	<0.5	<0.5	**30**	**3.5**	**7.3**	**8.3**	**12**	**0.04**	**19**	**18**	NA	NA
B-3	5/3/05	7.0-7.5	NA	NA	NA	NA	NA	NA	NA	**3.0**	NA	NA	NA	NA	NA	NA
B-3	5/3/05	12.0-12.5	NA	NA	NA	NA	NA	NA	NA	**3.0**	NA	NA	NA	NA	NA	NA
B-4	5/3/05	5.0-5.5	NA	NA	NA	NA	NA	NA	NA	**1,200**	NA	NA	NA	NA	**25**	**1.2**
B-6	5/3/05	2.0-2.5	**3.2**	**59**	<0.5	<0.5	**30**	**3.0**	**7.8**	**27**	**11**	**0.05**	**19**	**19**	NA	NA
B-6	5/3/05	5.0-5.5	**1.8**	**30**	<0.5	<0.5	**32**	**2.2**	**5.1**	**3.9**	**10**	<0.02	**19**	**10**	NA	NA
B-6	5/3/05	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**21**	NA	NA	NA	NA	NA	NA
B-6	5/3/05	10-10.5	NA	NA	NA	NA	NA	NA	NA	**2.8**	NA	NA	NA	NA	NA	NA
B-10	5/3/05	2.0-2.5	**6**	**130**	<0.5	**0.85**	**19**	**5.4**	**870**	**320**	**16**	**0.81**	**21**	**410**	**19**	NA
B-10	5/3/05	5.0-5.5	**2.3**	**50**	<0.5	<0.5	**24**	**2.5**	**16**	**180**	**11**	**0.08**	**17**	**36**	**4.8**	NA
UST-1	10/5/07	12.0-12.5	NA	NA	NA	NA	NA	NA	NA	**1.8**	NA	NA	NA	NA	NA	NA
UST-2	10/5/07	12.0-12.4	NA	NA	NA	NA	NA	NA	NA	**2.0**	NA	NA	NA	NA	NA	NA
UST-25a	10/5/07	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**45**	NA	NA	NA	NA	NA	NA
UST-12b	10/5/07	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**2.1**	NA	NA	NA	NA	NA	NA
UST-10c	10/5/07	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**5.2**	NA	NA	NA	NA	NA	NA
UST-6d	10/5/07	8.0-8.5	NA	NA	NA	NA	NA	NA	NA	**210**	NA	NA	NA	NA	NA	NA
Maximum			6	130	ND	0.85	32	5.4	870	1,200	16	2	22	410	25	1.2
Background			5.5	130	0.42	5.6	58	14	32	7.0	68	0.5	46	64	NA	NA
TTLC - (mg/kg)			500	10,000	75	100	2,500	8,000	2,500	1,000	2,000	20	2,400	5,000	NA	NA
STLC (mg/L)			5.0	100	0.75	1.0	5	80	25	5.0	20	0.2	24	250	5.0	NA
RL (mg/L)			5.0	100	NA	1.0	5	NA	NA	5.0	NA	0.2	NA	NA	NA	5.0
ESL (Table K-1)			5.5*	100	29	1.7	58*	10	610	255**	310	4	110	4,600	NA	NA
ESL (Table K-3)			5.5*	2,500	36	38	58*	10	28,000	750	1,000	98	5,000	210,000	NA	NA

TABLE 3
Metals in Soil
311 Second Street
Oakland, California

Sample Number	Sample Date	Sample Depth	Ar	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Hg	V	Zn	Soluble Pb (WET)	Soluble Pb (TCLP)
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/L)	(mg/L)

Notes:
mg/kg = Milligrams per kilogram
mg/L = Milligrams per liter
Total metals include arsenic (Ar), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), nickel (Ni), mercury (Hg), vanadium (V), and
WET = Waste Extraction Test
TCLP = Toxicity Characteristic Leaching Procedure
< 1 = Not detected above the indicated laboratory detection limit
ND = Not detected above laboratory detection limit which varies, see laboratory report
NA = Not Analyzed or Not Applicable
Detected concentrations are highlighted in **bold**.
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table K-1): ESL for Direct Exposure, Residential
ESL (Table K-2): Direct Exposure, Construction/Trench Worker Exposure Scenario
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
RL = Regulatory Level, Criteria for a Federal Hazardous Waste
BKG = Maximum detected concentration is less than background and not evaluated further

Notes:
5.5* = Table B ESL in soil for residential land-use where groundwater is not current or potential source of drinking water. Considers background concentrations and human

255** = 2003 lead in soil ESL for residential land-use that assumes no consumption of home grown produce cultivated in lead-affected soil.

Background = Average Concentrations from LBNL, 2002. If no average concentration available, then value was selected from the following 95th percentile, 99th percentile, or median of detected concentrations (in order, depending upon available values).

LBNL, 2002 = Lawrence Berkeley National Laboratory, 2002, Analysis of Background Distributions of Metals in Soil at Lawrence Berkeley National Laboratory. Envrionmental Restoration Program, June 2002.

TABLE 4
Groundwater Analytical Results
311 Second Street
Oakland, California

Sample ID	Sample Date	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	TPH-bo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	MTBE µg/L	TDS mg/L	Other VOCs µg/L	Lead mg/L
SB-2	9/15/93	**85**	**5,500**	NA	NA	**2.7**	**0.66**	<0.50	**0.51**	NA	NA	NA	<0.0050
B3	3/20/96	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**0.049***
B4	3/20/96	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**1.7***
B5	3/20/96	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**0.68***
B6	3/20/96	<50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	**0.49***
B-1	5/3/05	<0.50	**11,000**	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	ND	NA
B-2	5/3/05	<0.50	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	ND	NA
B-3	5/3/05	**5,300**	**200**	NA	NA	**15**	**6.0**	**51**	**30.5**	<1.0	NA	n-Butylbenzene = **60** sec-Butylbenzene = **20** p-isopropylbenzene = **57** p-isopropyltoluene = **3.3** Napthalene = **160** n-propylbenzene = **160** 1,2,4-Trimethylbenzene = **90** 1,3,5-Trimethylbenzene = **24**	NA
B-4	5/3/05	<0.50	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	ND	
B-6	5/3/05	<0.50	**8,100**	NA	NA	<0.5	<0.5	<0.5	<0.5	<1.0	NA	Tetrachloroethene = **8.2** Trichloroethene = **1.5** 1,2-Dichloroethane = **1.0** cis-1,2-Dichloroethene = **0.7**	NA
SW-1	5/10/06	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	Tetrachloroethene = **24** Trichloroethene = **1.3** 1,2-Dichloroethane = **1.9**	NA
SW-2	5/10/06	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	Tetrachloroethene = **11** Trichloroethene = **22** 1,2-Dichloroethane = **7.7** cis-1,2-Dichloroethene = **3.8** Diisopropyl Ether = **5.4**	NA
SW-3	5/10/06	<500	<400	<400	NA	NA	NA	NA	NA	**1.1**	NA	Tetrachloroethene = **18** Trichloroethene = **130** 1,2-Dichloroethane = **11** cis-1,2-Dichloroethene = **7.9** trans-1,2-Dichloroethene = **0.9** Diisopropyl Ether = **5.1**	NA
SW-4	5/10/06	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	Tetrachloroethene = **2.4** Trichloroethene = **16** 1,2-Dichloroethane = **5.0** cis-1,2-Dichloroethene = **5.3**	NA
SW-5	5/10/06	<500	<400	<400	NA	NA	NA	NA	NA	<1.0	NA	ND	NA
UST-GW-12.0	10/5/07	**293x**	<100**	<200**	NA	<0.5	**1.14**	**4.68**	**16**	<0.5	**920.00**	NA	<0.015
TR-1	10/16/07	NA	<128**	<256**	<256**	NA	NA	NA	NA	NA	**460**	NA	NA
TR-2	10/16/07	NA	<139**	<278**	<278**	NA	NA	NA	NA	NA	**440**	NA	NA
TR-3	10/16/07	<61	<112**	<224**	NA	NA	NA	NA	NA	NA	**700**	NA	NA
Maximum		**5300**	**11,000**	**ND**	**ND**	**15**	**6**	**51**	**30.5**	**1.1**	**ND**	**ND**	**1.7***

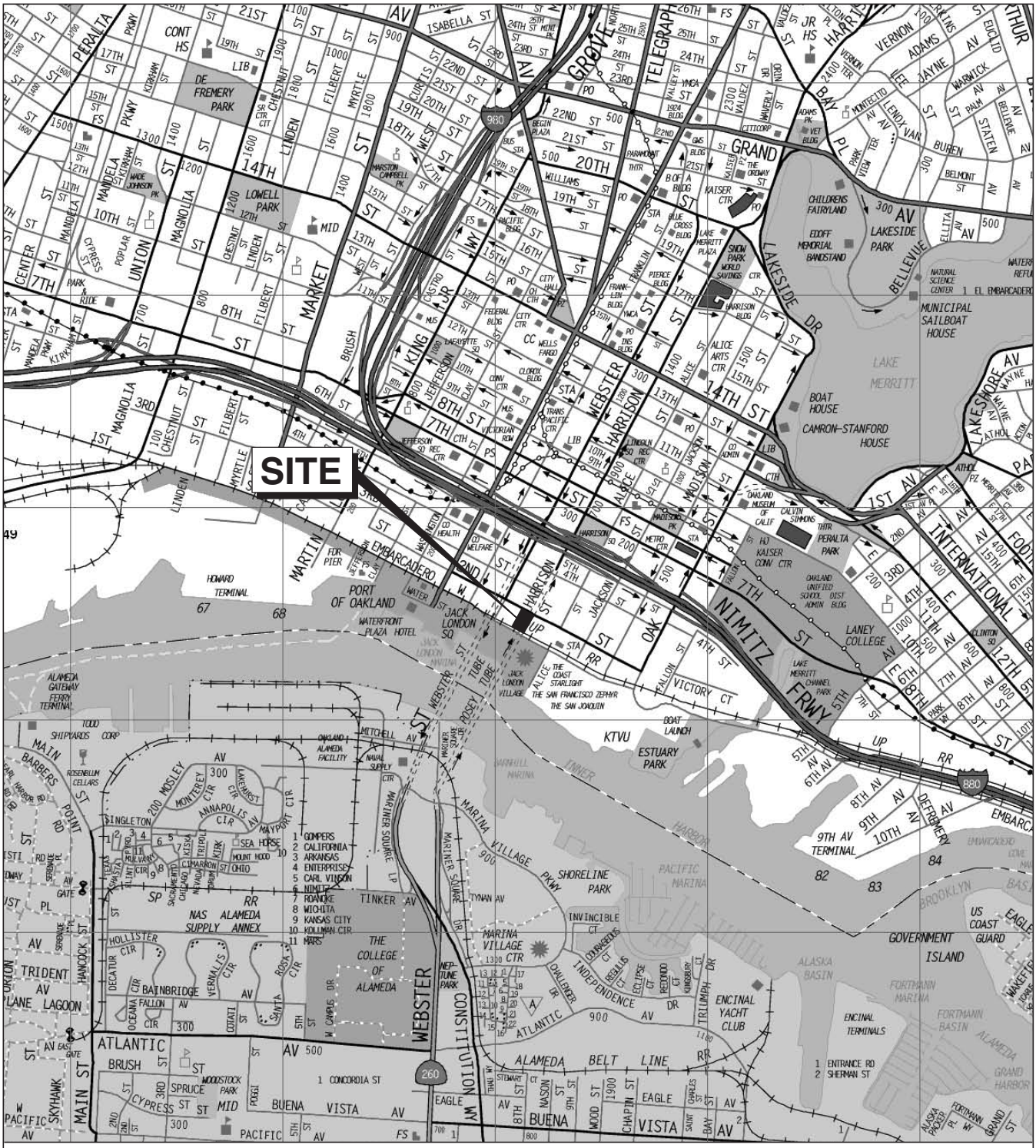
TABLE 4
Groundwater Analytical Results
311 Second Street
Oakland, California

Sample ID	Sample Date	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	TPH-bo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	MTBE µg/L	TDS mg/L	Other VOCs µg/L	Lead mg/L
ESL (Table B)		500	640	640	640	46	130	290	100	1,800	NE	Napthalene = 24 Tetrachloroethene = 120 Trichloroethene = 360 1,2-Dichloroethane = 200 cis-1,2-Dichloroethene = 590 trans-1,2-Dichloroethene = 590 All Others = NE	2.5
ESL (Table E-1a)		NE	NE	NE	NE	540	380,000	170,000	160,000	24,000	NE	Napthalene = 3,200 Tetrachloroethene = 120 Trichloroethene = 530 1,2-Dichloroethane = 200 cis-1,2-Dichloroethene = 6,200 trans-1,2-Dichloroethene = 6,700 All Others = ESLs not available	NE

Notes:
µg/L = Micrograms per liter
mg/L = Milligrams per liter
Detected concentrations are highlighted in **bold**.
TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
TPH-d = Total Petroleum Hydrcarbons quantified as diesel fuel
TPH-mo = Total Petroleum Hydrocarbons quantified as motor oil
MTBE = Methyl tert Butyl Ether
VOCs = Volatile Organic Compounds (see laboratory data sheets for complete list of VOCs analyzed)
x = Laboratory flag indicating that although TPH-g is present, pattern does not match typical gasoline. TPH-g result is raised due to the presence of heavy hydrocarbons within

Notes:
< 1 = indicates not detected at the indicated laboratory detection limit
ND = Not detected at or greater than the laboratory detection limit which varies, see laboratory report
NA = Not analyzed
NE = Not Established
ESL = Environmental Screening Levels (SF-RWQCB, 2005)
ESL (Table B): Shallow soils (<m bgs) where groundwater is not a current or potential source of drinkning water
ESL (Table E-1a): Groundwater Screening Levels for Evaluation of Potential Indoor-Air Impacts, high permeability
* = Groundwater sample was preserved before being filtered and are therefore erroneous.
** = Groundwater sample analyzed with Silica Gel Cleanup

PLATES



Base map: The Thomas Guide
Alameda County
1999

0 1/4 1/2 Mile

Approximate scale

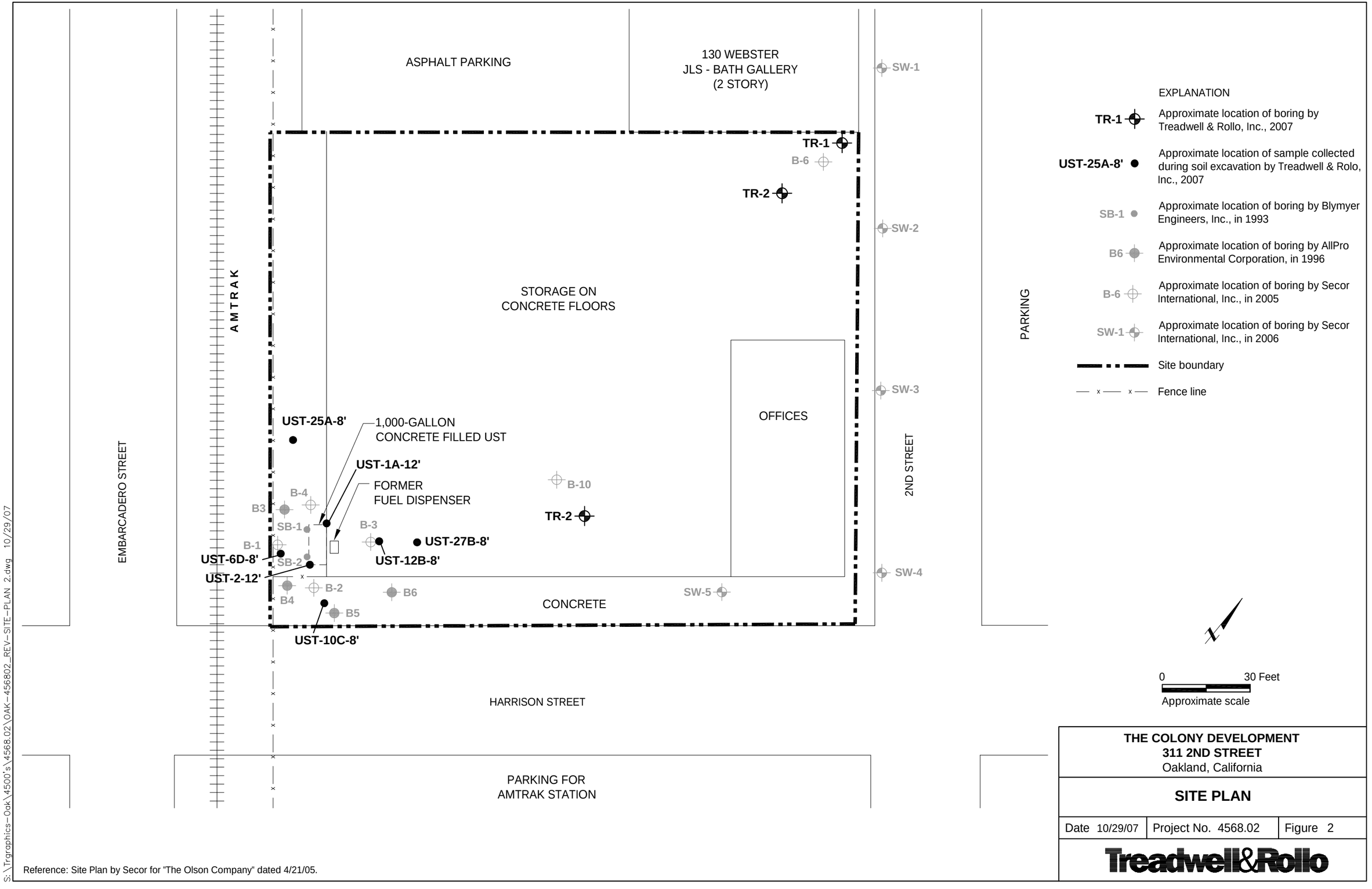
N

THE COLONY DEVELOPMENT
311 2ND STREET
Oakland, California

SITE LOCATION MAP

Treadwell&Rollo

Date 03/23/07	Project No. 4568.02	Figure 1



Reference: Site Plan by Secor for "The Olson Company" dated 4/21/05.

THE COLONY DEVELOPMENT
311 2ND STREET
Oakland, California

SITE PLAN

Date 10/29/07	Project No. 4568.02	Figure 2

Treadwell&Rollo

S:\Trgraphics-Oak\4500's\4568.02\OAK-456802_REV-SITE-PLAN 2.dwg 10/29/07

APPENDIX A

City of Oakland Fire Prevention Bureau UST Removal Permit

City Of Oakland
FIRE PREVENTION BUREAU

250 Frank Ogawa Plaza, Ste. 3341
Oakland California 94612-2032
510-238-3851

Permit To Excavate And Install, Repair, Or Remove Inflammable Liquid Tanks

Oakland, California October 3, 2007

Tank Permit Number: T07-0048

Permission Is Hereby Granted To:

UST Removal | UST | **Tank And Excavate Commencing:** | **Feet Inside:** | **Line.**

On The:

Site Address: 311 2nd St | **Present Storage:**

Owner: 311 Company LLC | **Address:** 1200 Concord Ave Concord, CA 94520 | **Phone:** 925-827-0841

Applicant: Enviornmental Resource Group INC | **Address:** 1038 Redwood Highway Suite 1 Mill Valley, CA | **Phone:** 415-381-6274

Dimensions Of Street (sidewalk) Surface To Be Disturbed : X | **No. Of Tanks** 1 | **Capacity** 1000 Gallons | **Gallons, Each**

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection: UST Removal

Inspected And Passed On: 3 Oct 07

By: Kirk Mathews

Approved: _____ Fire Marshal

Inspection Fee Paid: $ _____

Received By:

_____

UST/AST Installations/modifications:

Pressure Test: Inspected By: _____ **Date:** _____

Primary Piping Test: Inspected By: _____ **Date:** _____

Secondary Containment & Sump Testing:

Inspected By: _____ **Date:** _____

Final: Inspected By: _____ **Date:** _____

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

Distribution: White - Fire Prevention Bureau, Yellow - Contractor

APPENDIX B

Uniform Hazardous Waste Manifests

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	C A C 0 0 2 6 2 4 8 1 3	1	800 321-5479	002347776 JJK

GENERATOR

5. Generator's Name and Mailing Address
MIKE REYNOLDS
125 2ND STREET, SUITE C4
OAKLAND CA 94607
Generator's Phone: 5 1 0 4 4 4 - 4 6 6 4

Generator's Site Address (if different than mailing address)
MIKE REYNOLDS
311 2ND STREET
OAKLAND CA 94607

6. Transporter 1 Company Name
Ecology Control Industries
U.S. EPA ID Number
C A D 9 8 2 0 3 0 1 7 3

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ecology Control Industries
255 Parr Boulevard
Richmond CA 94801
Facility's Phone: 510 235-1393
U.S. EPA ID Number
C A D 0 0 9 4 8 6 3 9 2

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	Non-RCRA Hazardous Waste, Solid (EMPTY STORAGE TANK(S)	0 0 1	TF	01000	P	512		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
QTY 1 EMPTY STORAGE TANK. TANK # 33593
ECI JOB # 52T3511
WEAR PROPER PPE WHEN HANDLING. WEIGHTS AND VOLUMES ARE APPROXIMATE.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben Wells for Mike Reynolds | Signature: Ben Wells | Month: 10 | Day: 15 | Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Clarence E. Agnew Jr | Signature: Clarence E Agnew | Month: 10 | Day: 15 | Year: 07
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18b
Printed/Typed Name: James Wilcox | Signature: James Wilcox | Month: 10 | Day: 05 | Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX C

Photographs of UST Removal and Overexcavation of Soil


CAUTION
CAUTION
CAUTION


HITACHI


HITACHI

APPENDIX B
Laboratory Analytical Reports

TORRENT LABORATORY, INC.

483 Sinclair Frontage Rd. • Milpitas, CA 95035 • Ph: (408) 263-5258 • Fax: (408) 263-8293

www.torrentlab.com

October 15, 2007

Eric Morita
Treadwell & Rollo(Oakland)
501 14th Street 3rd Floor
Oakland, CA 94612

TEL: (510) 874-4500
FAX (510) 874-4507

RE: 4568.02

Order No.: 0710033

Dear Eric Morita:

Torrent Laboratory, Inc. received 7 samples on 10/5/2007 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director

10/15/07
Date

Patti Sandrock
QA Officer

Torrent Laboratory, Inc.

Date: *15-Oct-07*

CLIENT: Treadwell & Rollo(Oakland)
Project: 4568.02
Lab Order: 0710033

CASE NARRATIVE

Analytical Comments for METHOD TPH_GAS_S_GCMS, SAMPLE 0710033-006A: Note: E - Estimated value. The amount exceeds the calibration range of the instrument due to significant amount of heavier hydrocarbons responded within gasoline quantitative range that also effected surrogate recocovery. Re-run is pending.

Analytical Comments for METHOD TPHDOSG_W, SAMPLE WDSG071010A-LCS: Note: Surrogate recovery falls outside the control limit (bias high). All associated samples are non-detect (ND) for TPH as diesel/oil range compounds. Outlier will be considered in the next quarterly control Chart up-date (January 2008). NO further corrective action is required.

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-1a-12.0
Sample Location: The Colony
Sample Matrix: SOIL
Date/Time Sampled 10/5/2007 11:17:00 AM

Lab Sample ID: 0710033-001
Date Prepared: 10/5/2007-10/6/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	10/7/2007	1	1	1.0	1.8	mg/Kg	3836
TPH (Diesel)	SW8015B	10/6/2007	2	1	2.00	ND	mg/Kg	R14123
TPH (Motor Oil)	SW8015B	10/6/2007	4	1	4.00	ND	mg/Kg	R14123
Surr: Pentacosane	SW8015B	10/6/2007	0	1	28-125	90.7	%REC	R14123
1,2-Dibromoethane (EDB)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
1,2-Dichloroethane (EDC)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Benzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethyl tert-butyl ether (ETBE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethylbenzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Isopropyl ether (DIPE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Methyl tert-butyl ether (MTBE)	SW8260B	10/6/2007	10	1	10	ND	µg/Kg	R14126
t-Butyl alcohol (t-Butanol)	SW8260B	10/6/2007	50	1	50	ND	µg/Kg	R14126
tert-Amyl methyl ether (TAME)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Toluene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Xylenes, Total	SW8260B	10/6/2007	15	1	15	ND	µg/Kg	R14126
Surr: 4-Bromofluorobenzene	SW8260B	10/6/2007	0	1	55.8-141	107	%REC	R14126
Surr: Dibromofluoromethane	SW8260B	10/6/2007	0	1	59.8-148	102	%REC	R14126
Surr: Toluene-d8	SW8260B	10/6/2007	0	1	55.2-133	86.0	%REC	R14126
TPH (Gasoline)	SW8260B(TPH)	10/6/2007	100	1	100	ND	µg/Kg	G14126
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/6/2007	0	1	56.9-133	78.0	%REC	G14126

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-2-12.0
Sample Location: The Colony
Sample Matrix: SOIL
Date/Time Sampled 10/5/2007 11:25:00 AM

Lab Sample ID: 0710033-002
Date Prepared: 10/5/2007-10/6/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	10/7/2007	1	1	1.0	2.0	mg/Kg	3836
TPH (Diesel)	SW8015B	10/6/2007	2	1	2.00	ND	mg/Kg	R14123
TPH (Motor Oil)	SW8015B	10/6/2007	4	1	4.00	ND	mg/Kg	R14123
Surr: Pentacosane	SW8015B	10/6/2007	0	1	28-125	99.4	%REC	R14123
1,2-Dibromoethane (EDB)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
1,2-Dichloroethane (EDC)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Benzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethyl tert-butyl ether (ETBE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethylbenzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Isopropyl ether (DIPE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Methyl tert-butyl ether (MTBE)	SW8260B	10/6/2007	10	1	10	ND	µg/Kg	R14126
t-Butyl alcohol (t-Butanol)	SW8260B	10/6/2007	50	1	50	ND	µg/Kg	R14126
tert-Amyl methyl ether (TAME)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Toluene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Xylenes, Total	SW8260B	10/6/2007	15	1	15	ND	µg/Kg	R14126
Surr: 4-Bromofluorobenzene	SW8260B	10/6/2007	0	1	55.8-141	96.7	%REC	R14126
Surr: Dibromofluoromethane	SW8260B	10/6/2007	0	1	59.8-148	112	%REC	R14126
Surr: Toluene-d8	SW8260B	10/6/2007	0	1	55.2-133	85.6	%REC	R14126
TPH (Gasoline)	SW8260B(TPH)	10/6/2007	100	1	100	ND	µg/Kg	G14126
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/6/2007	0	1	56.9-133	84.0	%REC	G14126

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-25a-8.0
Sample Location: The Colony
Sample Matrix: SOIL
Date/Time Sampled 10/5/2007 1:15:00 PM

Lab Sample ID: 0710033-003
Date Prepared: 10/5/2007-10/8/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	10/7/2007	1	1	1.0	45	mg/Kg	3836
TPH (Diesel)	SW8015B	10/6/2007	2	1	2.00	ND	mg/Kg	R14123
TPH (Motor Oil)	SW8015B	10/6/2007	4	1	4.00	ND	mg/Kg	R14123
Surr: Pentacosane	SW8015B	10/6/2007	0	1	28-125	99.4	%REC	R14123
1,2-Dibromoethane (EDB)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
1,2-Dichloroethane (EDC)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Benzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethyl tert-butyl ether (ETBE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethylbenzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Isopropyl ether (DIPE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Methyl tert-butyl ether (MTBE)	SW8260B	10/6/2007	10	1	10	ND	µg/Kg	R14126
t-Butyl alcohol (t-Butanol)	SW8260B	10/6/2007	50	1	50	ND	µg/Kg	R14126
tert-Amyl methyl ether (TAME)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Toluene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Xylenes, Total	SW8260B	10/6/2007	15	1	15	ND	µg/Kg	R14126
Surr: 4-Bromofluorobenzene	SW8260B	10/6/2007	0	1	55.8-141	132	%REC	R14126
Surr: Dibromofluoromethane	SW8260B	10/6/2007	0	1	59.8-148	106	%REC	R14126
Surr: Toluene-d8	SW8260B	10/6/2007	0	1	55.2-133	98.3	%REC	R14126
TPH (Gasoline)	SW8260B(TPH)	10/8/2007	100	1	100	ND	µg/Kg	G14129
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/8/2007	0	1	56.9-133	78.0	%REC	G14129

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-12b-8.0
Sample Location: The Colony
Sample Matrix: SOIL
Date/Time Sampled 10/5/2007 1:35:00 PM

Lab Sample ID: 0710033-004
Date Prepared: 10/5/2007-10/8/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	10/7/2007	1	1	1.0	2.1	mg/Kg	3836
TPH (Diesel)	SW8015B	10/6/2007	2	1	2.00	5.8x	mg/Kg	R14123
TPH (Motor Oil)	SW8015B	10/6/2007	4	1	4.00	ND	mg/Kg	R14123
Surr: Pentacosane	SW8015B	10/6/2007	0	1	28-125	97.0	%REC	R14123
Note: x- Sample chromatogram does not resemble typical diesel pattern. Lighter end hydrocarbons within the diesel range quantitated as diesel.								
1,2-Dibromoethane (EDB)	SW8260B	10/6/2007	5	5	25	ND	µg/Kg	R14126
1,2-Dichloroethane (EDC)	SW8260B	10/6/2007	5	5	25	ND	µg/Kg	R14126
Benzene	SW8260B	10/6/2007	5	5	25	100	µg/Kg	R14126
Ethyl tert-butyl ether (ETBE)	SW8260B	10/6/2007	5	5	25	ND	µg/Kg	R14126
Ethylbenzene	SW8260B	10/6/2007	5	5	25	180	µg/Kg	R14126
Isopropyl ether (DIPE)	SW8260B	10/6/2007	5	5	25	ND	µg/Kg	R14126
Methyl tert-butyl ether (MTBE)	SW8260B	10/6/2007	10	5	50	ND	µg/Kg	R14126
t-Butyl alcohol (t-Butanol)	SW8260B	10/6/2007	50	5	250	ND	µg/Kg	R14126
tert-Amyl methyl ether (TAME)	SW8260B	10/6/2007	5	5	25	ND	µg/Kg	R14126
Toluene	SW8260B	10/6/2007	5	5	25	42	µg/Kg	R14126
Xylenes, Total	SW8260B	10/6/2007	15	5	75	460	µg/Kg	R14126
Surr: 4-Bromofluorobenzene	SW8260B	10/6/2007	0	5	55.8-141	128	%REC	R14126
Surr: Dibromofluoromethane	SW8260B	10/6/2007	0	5	59.8-148	130	%REC	R14126
Surr: Toluene-d8	SW8260B	10/6/2007	0	5	55.2-133	91.0	%REC	R14126
Note: Reporting limits were raised due to sample matrix (see comment for TPH-g result).								
TPH (Gasoline)	SW8260B(TPH)	10/8/2007	100	200	20000	424000 x	µg/Kg	G14129
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/8/2007	0	200	56.9-133	92.0	%REC	G14129
Note:x-Pattern does not match typical gasoline. TPHg result due to significant amount of heavy hydrocarbons within gasoline range.								

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-6d-8.0
Sample Location: The Colony
Sample Matrix: SOIL
Date/Time Sampled 10/5/2007 1:37:00 PM

Lab Sample ID: 0710033-005
Date Prepared: 10/5/2007-10/6/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	10/7/2007	1	1	1.0	210	mg/Kg	3836
TPH (Diesel)	SW8015B	10/6/2007	2	1	2.00	ND	mg/Kg	R14123
TPH (Motor Oil)	SW8015B	10/6/2007	4	1	4.00	6.34	mg/Kg	R14123
Surr: Pentacosane	SW8015B	10/6/2007	0	1	28-125	90.4	%REC	R14123
1,2-Dibromoethane (EDB)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
1,2-Dichloroethane (EDC)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Benzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethyl tert-butyl ether (ETBE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethylbenzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Isopropyl ether (DIPE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Methyl tert-butyl ether (MTBE)	SW8260B	10/6/2007	10	1	10	ND	µg/Kg	R14126
t-Butyl alcohol (t-Butanol)	SW8260B	10/6/2007	50	1	50	ND	µg/Kg	R14126
tert-Amyl methyl ether (TAME)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Toluene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Xylenes, Total	SW8260B	10/6/2007	15	1	15	ND	µg/Kg	R14126
Surr: 4-Bromofluorobenzene	SW8260B	10/6/2007	0	1	55.8-141	111	%REC	R14126
Surr: Dibromofluoromethane	SW8260B	10/6/2007	0	1	59.8-148	108	%REC	R14126
Surr: Toluene-d8	SW8260B	10/6/2007	0	1	55.2-133	88.6	%REC	R14126
TPH (Gasoline)	SW8260B(TPH)	10/6/2007	100	1	100	ND	µg/Kg	G14126
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/6/2007	0	1	56.9-133	88.0	%REC	G14126

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-10c-8.0
Sample Location: The Colony
Sample Matrix: SOIL
Date/Time Sampled 10/5/2007 2:10:00 PM

Lab Sample ID: 0710033-006
Date Prepared: 10/5/2007-10/6/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	10/7/2007	1	1	1.0	5.2	mg/Kg	3836
TPH (Diesel)	SW8015B	10/6/2007	2	1	2.00	2.2x	mg/Kg	R14123
TPH (Motor Oil)	SW8015B	10/6/2007	4	1	4.00	ND	mg/Kg	R14123
Surr: Pentacosane	SW8015B	10/6/2007	0	1	28-125	89.4	%REC	R14123
Note: x- Sample chromatogram does not resemble typical diesel pattern. Hydrocarbons within the diesel range quantitated as diesel.								
1,2-Dibromoethane (EDB)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
1,2-Dichloroethane (EDC)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Benzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethyl tert-butyl ether (ETBE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Ethylbenzene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Isopropyl ether (DIPE)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Methyl tert-butyl ether (MTBE)	SW8260B	10/6/2007	10	1	10	ND	µg/Kg	R14126
t-Butyl alcohol (t-Butanol)	SW8260B	10/6/2007	50	1	50	ND	µg/Kg	R14126
tert-Amyl methyl ether (TAME)	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Toluene	SW8260B	10/6/2007	5	1	5.0	ND	µg/Kg	R14126
Xylenes, Total	SW8260B	10/6/2007	15	1	15	ND	µg/Kg	R14126
Surr: 4-Bromofluorobenzene	SW8260B	10/6/2007	0	1	55.8-141	146 S	%REC	R14126
Surr: Dibromofluoromethane	SW8260B	10/6/2007	0	1	59.8-148	114	%REC	R14126
Surr: Toluene-d8	SW8260B	10/6/2007	0	1	55.2-133	90.4	%REC	R14126
Note:S-Surrogate recovery out of control due to matrix interference: non-target compounds co-eluted with surrogate peak that effected on surrogate recovery.								
TPH (Gasoline)	SW8260B(TPH)	10/6/2007	100	1	100	4740 x	µg/Kg	G14126
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/6/2007	0	1	56.9-133	0 S	%REC	G14126
Note: E - Estimated value. The amount exceeds the calibration range of the instrument due to significant amount of heavier hydrocarbons responded within gasoline quantitative range that also effected surrogate recocovery. Re-run is pending.								

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/5/2007
Date Reported: 10/15/2007

Client Sample ID: UST-GW-120
Sample Location: The Colony
Sample Matrix: WATER
Date/Time Sampled 10/5/2007 2:15:00 PM

Lab Sample ID: 0710033-007
Date Prepared: 10/10/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	10/8/2007	10	1	10	920	mg/L	R14137
Lead	SW6010B-D	10/9/2007	0.015	1	0.015	ND	mg/L	3841
TPH (Diesel)	SW8015B	10/11/2007	0.1	1	0.100	ND	mg/L	R14179
TPH (Motor Oil)	SW8015B	10/11/2007	0.2	1	0.200	ND	mg/L	R14179
Surr: Pentacosane	SW8015B	10/11/2007	0	1	40-120	96.0	%REC	R14179
1,2-Dibromoethane (EDB)	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
1,2-Dichloroethane (EDC)	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
Benzene	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
Ethyl tert-butyl ether (ETBE)	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
Ethylbenzene	SW8260B	10/10/2007	0.5	1	0.500	4.68	µg/L	R14163
Isopropyl ether (DIPE)	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
Methyl tert-butyl ether (MTBE)	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
t-Butyl alcohol (t-Butanol)	SW8260B	10/10/2007	10	1	10.0	ND	µg/L	R14163
tert-Amyl methyl ether (TAME)	SW8260B	10/10/2007	0.5	1	0.500	ND	µg/L	R14163
Toluene	SW8260B	10/10/2007	0.5	1	0.500	1.14	µg/L	R14163
Xylenes, Total	SW8260B	10/10/2007	1.5	1	1.50	16.0	µg/L	R14163
Surr: Dibromofluoromethane	SW8260B	10/10/2007	0	1	61.2-131	104	%REC	R14163
Surr: 4-Bromofluorobenzene	SW8260B	10/10/2007	0	1	64.1-120	102	%REC	R14163
Surr: Toluene-d8	SW8260B	10/10/2007	0	1	75.1-127	95.6	%REC	R14163
TPH (Gasoline)	SW8260B(TPH)	10/10/2007	50	1	50	293x	µg/L	G14163
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/10/2007	0	1	58.4-133	75.9	%REC	G14163

Note:x-Although TPHG as gasoline is present, pattern does not match typical gasoline. TPHg result is raised due to the presence of heavy hydrocarbons within gasoline range.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 3836

Sample ID	**MB-3836**	SampType:	**MBLK**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**10/7/2007**	RunNo:	**14122**
Client ID:	**ZZZZZ**	Batch ID:	**3836**	TestNo:	**SW6010B**	**(SW3050B)**		Analysis Date:	**10/7/2007**	SeqNo:	**204529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID	**LCS-3836**	SampType:	**LCS**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**10/7/2007**	RunNo:	**14122**
Client ID:	**ZZZZZ**	Batch ID:	**3836**	TestNo:	**SW6010B**	**(SW3050B)**		Analysis Date:	**10/7/2007**	SeqNo:	**204527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.50	1.0	50	0	95.0	67.9	118				

Sample ID	**LCSD-3836**	SampType:	**LCSD**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**10/7/2007**	RunNo:	**14122**
Client ID:	**ZZZZZ**	Batch ID:	**3836**	TestNo:	**SW6010B**	**(SW3050B)**		Analysis Date:	**10/7/2007**	SeqNo:	**204528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.40	1.0	50	0	96.8	67.9	118	47.5	1.88	30	

Sample ID	**0710033-01AMS**	SampType:	**MS**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**10/7/2007**	RunNo:	**14122**
Client ID:	**ZZZZZ**	Batch ID:	**3836**	TestNo:	**SW6010B**	**(SW3050B)**		Analysis Date:	**10/7/2007**	SeqNo:	**204525**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.50	1.0	50	5.15	86.7	60.5	113				

Sample ID	**0710033-01AMSD**	SampType:	**MSD**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**10/7/2007**	RunNo:	**14122**
Client ID:	**ZZZZZ**	Batch ID:	**3836**	TestNo:	**SW6010B**	**(SW3050B)**		Analysis Date:	**10/7/2007**	SeqNo:	**204526**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.00	1.0	50	5.15	87.7	60.5	113	48.5	1.03	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 3841

Sample ID	MB-3841	SampType:	MBLK	TestCode:	6010B_DISS	Units:	mg/L	Prep Date:	10/9/2007	RunNo:	14143
Client ID:	ZZZZZ	Batch ID:	3841	TestNo:	SW6010B-D	(E200.7D/SW		Analysis Date:	10/9/2007	SeqNo:	204861

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.015									

Sample ID	LCS-3841	SampType:	LCS	TestCode:	6010B_DISS	Units:	mg/L	Prep Date:	10/9/2007	RunNo:	14143
Client ID:	ZZZZZ	Batch ID:	3841	TestNo:	SW6010B-D	(E200.7D/SW		Analysis Date:	10/9/2007	SeqNo:	204859

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9052	0.015	1	0	90.5	80	120				

Sample ID	LCSD-3841	SampType:	LCSD	TestCode:	6010B_DISS	Units:	mg/L	Prep Date:	10/9/2007	RunNo:	14143
Client ID:	ZZZZZ	Batch ID:	3841	TestNo:	SW6010B-D	(E200.7D/SW		Analysis Date:	10/9/2007	SeqNo:	204860

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9362	0.015	1	0	93.6	80	120	0.9052	3.37	20	

Sample ID	0710033-007AMS	SampType:	MS	TestCode:	6010B_DISS	Units:	mg/L	Prep Date:	10/9/2007	RunNo:	14143
Client ID:	UST-GW-120	Batch ID:	3841	TestNo:	SW6010B-D	(E200.7D/SW		Analysis Date:	10/9/2007	SeqNo:	204857

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8721	0.015	1	0	87.2	80	120				

Sample ID	0710033-007AMSD	SampType:	MSD	TestCode:	6010B_DISS	Units:	mg/L	Prep Date:	10/9/2007	RunNo:	14143
Client ID:	UST-GW-120	Batch ID:	3841	TestNo:	SW6010B-D	(E200.7D/SW		Analysis Date:	10/9/2007	SeqNo:	204858

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8560	0.015	1	0	85.6	80	120	0.8721	1.86	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: G14126

Sample ID **MB-G**	SampType: **MBLK**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/6/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **G14126**	TestNo: **SW8260B(TP**		Analysis Date: **10/6/2007**	SeqNo: **204558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	100									
Surr: 4-Bromofllurobenzene	47.00	0	50	0	94.0	56.9	133				

Sample ID **LCS-G**	SampType: **LCS**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/5/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **G14126**	TestNo: **SW8260B(TP**		Analysis Date: **10/5/2007**	SeqNo: **204559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	1181	100	1000	0	118	48.2	132				
Surr: 4-Bromofllurobenzene	50.00	0	50	0	100	56.9	133				

Sample ID **LCSD-G**	SampType: **LCSD**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/6/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **G14126**	TestNo: **SW8260B(TP**		Analysis Date: **10/6/2007**	SeqNo: **204560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	1136	100	1000	0	114	48.2	132	1181	3.88	30	
Surr: 4-Bromofllurobenzene	48.00	0	50	0	96.0	56.9	133	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: G14129

Sample ID **MB-G**	SampType: **MBLK**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/8/2007**	RunNo: **14129**
Client ID: **ZZZZZ**	Batch ID: **G14129**	TestNo: **SW8260B(TP**		Analysis Date: **10/8/2007**	SeqNo: **204601**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	100									
Surr: 4-Bromofllurobenzene	48.00	0	50	0	96.0	56.9	133				

Sample ID **LCS-G**	SampType: **LCS**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/8/2007**	RunNo: **14129**
Client ID: **ZZZZZ**	Batch ID: **G14129**	TestNo: **SW8260B(TP**		Analysis Date: **10/8/2007**	SeqNo: **204602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	806.0	100	1000	0	80.6	48.2	132				
Surr: 4-Bromofllurobenzene	44.00	0	50	0	88.0	56.9	133				

Sample ID **LCSD-G**	SampType: **LCSD**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/8/2007**	RunNo: **14129**
Client ID: **ZZZZZ**	Batch ID: **G14129**	TestNo: **SW8260B(TP**		Analysis Date: **10/8/2007**	SeqNo: **204603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	832.0	100	1000	0	83.2	48.2	132	806	3.17	30	
Surr: 4-Bromofllurobenzene	46.00	0	50	0	92.0	56.9	133	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: G14163

Sample ID **MB-G**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **G14163**	TestNo: **SW8260B(TP**		Analysis Date: **10/10/2007**	SeqNo: **205142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	8.000	0	11.36	0	70.4	58.4	133				

Sample ID **LCS-G**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **G14163**	TestNo: **SW8260B(TP**		Analysis Date: **10/10/2007**	SeqNo: **205143**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	204.0	50	227	0	89.9	52.4	127				
Surr: 4-Bromofllurobenzene	8.220	0	11.36	0	72.4	58.4	133				

Sample ID **LCSD-G**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **G14163**	TestNo: **SW8260B(TP**		Analysis Date: **10/10/2007**	SeqNo: **205144**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	181.0	50	227	0	79.7	52.4	127	204	11.9	20	
Surr: 4-Bromofllurobenzene	8.400	0	11.36	0	73.9	58.4	133	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14123

Sample ID **SDSG071005A-MB**	SampType: **MBLK**	TestCode: **TPHDOSG_S**	Units: **mg/Kg**	Prep Date: **10/5/2007**	RunNo: **14123**
Client ID: **ZZZZZ**	Batch ID: **R14123**	TestNo: **SW8015B**		Analysis Date: **10/6/2007**	SeqNo: **204532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	ND	2.00									
TPH (Motor Oil)	ND	4.00									
Surr: Pentacosane	3.375	0	3.3	0	102	28	125				

Sample ID **SDSG071005A-LCS**	SampType: **LCS**	TestCode: **TPHDOSG_S**	Units: **mg/Kg**	Prep Date: **10/5/2007**	RunNo: **14123**
Client ID: **ZZZZZ**	Batch ID: **R14123**	TestNo: **SW8015B**		Analysis Date: **10/6/2007**	SeqNo: **204533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	26.45	2.00	33.33	0	79.4	26.6	128				
Surr: Pentacosane	3.371	0	3.3	0	102	28	125				

Sample ID **SDSG071005A-LCS**	SampType: **LCSD**	TestCode: **TPHDOSG_S**	Units: **mg/Kg**	Prep Date: **10/5/2007**	RunNo: **14123**
Client ID: **ZZZZZ**	Batch ID: **R14123**	TestNo: **SW8015B**		Analysis Date: **10/6/2007**	SeqNo: **204534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	28.42	2.00	33.33	0	85.3	26.6	128	26.45	7.18	30	
Surr: Pentacosane	3.282	0	3.3	0	99.5	28	125	0	0	0	

Sample ID **0710033-003A MS**	SampType: **MS**	TestCode: **TPHDOSG_S**	Units: **mg/Kg**	Prep Date: **10/5/2007**	RunNo: **14123**
Client ID: **UST-25a-8.0**	Batch ID: **R14123**	TestNo: **SW8015B**		Analysis Date: **10/6/2007**	SeqNo: **204541**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	25.54	2.00	33.33	0	76.6	26.6	128				
Surr: Pentacosane	3.072	0	3.3	0	93.1	28	125				

Sample ID **0710033-003A MSD**	SampType: **MSD**	TestCode: **TPHDOSG_S**	Units: **mg/Kg**	Prep Date: **10/5/2007**	RunNo: **14123**
Client ID: **UST-25a-8.0**	Batch ID: **R14123**	TestNo: **SW8015B**		Analysis Date: **10/6/2007**	SeqNo: **204542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	28.16	2.00	33.33	0	84.5	26.6	128	25.54	9.77	30	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14123

Sample ID **0710033-003A MSD**	SampType: **MSD**	TestCode: **TPHDOSG_S**	Units: **mg/Kg**	Prep Date: **10/5/2007**	RunNo: **14123**
Client ID: **UST-25a-8.0**	Batch ID: **R14123**	TestNo: **SW8015B**		Analysis Date: **10/6/2007**	SeqNo: **204542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Pentacosane	3.256	0	3.3	0	98.7	28	125	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14126

Sample ID **MB**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **10/6/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **R14126**	TestNo: **SW8260B**		Analysis Date: **10/6/2007**	SeqNo: **204548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	ND	10									
1,2-Dichloroethane (EDC)	ND	10									
Benzene	ND	10									
Ethyl tert-butyl ether (ETBE)	ND	10									
Ethylbenzene	ND	10									
Isopropyl ether (DIPE)	ND	10									
Methyl tert-butyl ether (MTBE)	ND	10									
t-Butyl alcohol (t-Butanol)	ND	50									
tert-Amyl methyl ether (TAME)	ND	10									
Toluene	ND	10									
Xylenes, Total	ND	20									
Surr: 4-Bromofluorobenzene	52.40	0	50	0	105	55.8	141				
Surr: Dibromofluoromethane	54.44	0	50	0	109	59.8	148				
Surr: Toluene-d8	43.36	0	50	0	86.7	55.2	133				

Sample ID **LCS**	SampType: **LCS**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **10/5/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **R14126**	TestNo: **SW8260B**		Analysis Date: **10/5/2007**	SeqNo: **204549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.28	10	50	0	90.6	66.5	135				
Toluene	50.51	10	50	0	101	56.8	134				
Surr: 4-Bromofluorobenzene	47.49	0	50	0	95.0	55.8	141				
Surr: Dibromofluoromethane	47.70	0	50	0	95.4	59.8	148				
Surr: Toluene-d8	50.58	0	50	0	101	55.2	133				

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **10/5/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **R14126**	TestNo: **SW8260B**		Analysis Date: **10/5/2007**	SeqNo: **204550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.93	10	50	0	102	66.5	135	45.28	11.7	30	
Toluene	43.07	10	50	0	86.1	56.8	134	50.51	15.9	30	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14126

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **10/5/2007**	RunNo: **14126**
Client ID: **ZZZZZ**	Batch ID: **R14126**	TestNo: **SW8260B**		Analysis Date: **10/5/2007**	SeqNo: **204550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	51.86	0	50	0	104	55.8	141	0	0	0	
Surr: Dibromofluoromethane	56.47	0	50	0	113	59.8	148	0	0	0	
Surr: Toluene-d8	48.66	0	50	0	97.3	55.2	133	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14137

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:	RunNo: **14137**
Client ID: **ZZZZZ**	Batch ID: **R14137**	TestNo: **E160.1**		Analysis Date: **10/8/2007**	SeqNo: **204764**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	ND	10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14163

Sample ID **MB**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **R14163**	TestNo: **SW8260B**		Analysis Date: **10/10/2007**	SeqNo: **205090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.500									
Benzene	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Isopropyl ether (DIPE)	ND	0.500									
Methyl tert-butyl ether (MTBE)	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
Toluene	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	11.12	0	11.36	0	97.9	61.2	131				
Surr: 4-Bromofluorobenzene	11.73	0	11.36	0	103	64.1	120				
Surr: Toluene-d8	10.78	0	11.36	0	94.9	75.1	127				

Sample ID **LCS**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **R14163**	TestNo: **SW8260B**		Analysis Date: **10/10/2007**	SeqNo: **205097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	15.19	0.500	17.04	0	89.1	66.9	140				
Toluene	18.16	0.500	17.04	0	107	76.6	123				
Surr: Dibromofluoromethane	10.81	0	11.36	0	95.2	61.2	131				
Surr: 4-Bromofluorobenzene	10.40	0	11.36	0	91.5	64.1	120				
Surr: Toluene-d8	11.34	0	11.36	0	99.8	75.1	127				

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **R14163**	TestNo: **SW8260B**		Analysis Date: **10/10/2007**	SeqNo: **205098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.76	0.500	17.04	0	104	66.9	140	15.19	15.6	20	
Toluene	16.36	0.500	17.04	0	96.0	76.6	123	18.16	10.4	20	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14163

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **10/10/2007**	RunNo: **14163**
Client ID: **ZZZZZ**	Batch ID: **R14163**	TestNo: **SW8260B**		Analysis Date: **10/10/2007**	SeqNo: **205098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	10.65	0	11.36	0	93.8	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	12.48	0	11.36	0	110	64.1	120	0	0	0	
Surr: Toluene-d8	10.68	0	11.36	0	94.0	75.1	127	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710033
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14179

Sample ID **WDSG071010A-MB**	SampType: **MBLK**	TestCode: **TPHDOSG_**	Units: **mg/L**	Prep Date: **10/10/2007**	RunNo: **14179**
Client ID: **ZZZZZ**	Batch ID: **R14179**	TestNo: **SW8015B**		Analysis Date: **10/11/2007**	SeqNo: **205303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	ND	0.100									
TPH (Motor Oil)	ND	0.200									
Surr: Pentacosane	0.1010	0	0.1	0	101	40	120				

Sample ID **WDSG071010A-LCS**	SampType: **LCS**	TestCode: **TPHDOSG_**	Units: **mg/L**	Prep Date: **10/10/2007**	RunNo: **14179**
Client ID: **ZZZZZ**	Batch ID: **R14179**	TestNo: **SW8015B**		Analysis Date: **10/11/2007**	SeqNo: **205304**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.4680	0.100	1	0	46.8	30	68.5				
Surr: Pentacosane	0.1050	0	0.1	0	105	46.8	104				S

Sample ID **WDSG071010A-LCS**	SampType: **LCSD**	TestCode: **TPHDOSG_**	Units: **mg/L**	Prep Date: **10/10/2007**	RunNo: **14179**
Client ID: **ZZZZZ**	Batch ID: **R14179**	TestNo: **SW8015B**		Analysis Date: **10/11/2007**	SeqNo: **205305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.3800	0.100	1	0	38.0	30	68.5	0.468	20.8	30	
Surr: Pentacosane	0.09200	0	0.1	0	92.0	46.8	104	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Torrent Laboratory, Inc.

WORK ORDER Summary

08-Oct-07

Work Order 0710033

Client ID: TREADWELL & ROLLO(OAKLAND)

Project: 4568.02 - The Colony **QC Level:**

Comments: 1 day Rush for soils!! Organic lead subbed to McCampbell lab. Full list Oxys/Scavengers and BTEX, TPHD/O with Silica Gel. TTLC-Pb Only!!

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0710033-001A	UST-1a-12.0	10/5/2007 11:17:00 AM	10/5/2007	10/8/2007	Soil	3050B_S	☐	☐	☐	☐	SR
				10/8/2007		6010B_S	☐	☐	☑	☐	SR
				10/8/2007		8260B_S_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		TPH_GAS_S_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_S	☐	☐	☐	☐	SR
0710033-002A	UST-2-12.0	10/5/2007 11:25:00 AM		10/8/2007		3050B_S	☐	☐	☐	☐	SR
				10/8/2007		6010B_S	☐	☐	☑	☐	SR
				10/8/2007		8260B_S_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		TPH_GAS_S_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_S	☐	☐	☐	☐	SR
0710033-003A	UST-25a-8.0	10/5/2007 1:15:00 PM		10/8/2007		3050B_S	☐	☐	☐	☐	SR
				10/8/2007		6010B_S	☐	☐	☑	☐	SR
				10/8/2007		8260B_S_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		TPH_GAS_S_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_S	☐	☐	☐	☐	SR
0710033-004A	UST-12b-8.0	10/5/2007 1:35:00 PM		10/8/2007		3050B_S	☐	☐	☐	☐	SR
				10/8/2007		6010B_S	☐	☐	☑	☐	SR
				10/8/2007		8260B_S_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		TPH_GAS_S_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_S	☐	☐	☐	☐	SR
0710033-005A	UST-6d-8.0	10/5/2007 1:37:00 PM		10/8/2007		3050B_S	☐	☐	☐	☐	SR
				10/8/2007		6010B_S	☐	☐	☑	☐	SR
				10/8/2007		8260B_S_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		TPH_GAS_S_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_S	☐	☐	☐	☐	SR
0710033-006A	UST-10c-8.0	10/5/2007 2:10:00 PM		10/8/2007		3050B_S	☐	☐	☐	☐	SR
				10/8/2007		6010B_S	☐	☐	☑	☐	SR

WORK ORDER Summary

08-Oct-07

Work Order 0710033

Client ID: TREADWELL & ROLLO(OAKLA

Project: 4568.02 **QC Level:**

Comments: 1 day Rush for soils!! Organic lead subbed to McCampbell lab. Full ist Oxys/Scavengers and BTEX, TOHD/O with Silica Gel. TTLC-Pb Only!!

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0710033-006A	UST-10c-8.0	10/5/2007 2:10:00 PM	10/5/2007	10/8/2007	Soil	8260B_S_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		TPH_GAS_S_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_S	☐	☐	☐	☐	SR
0710033-007A	UST-GW-120	10/5/2007 2:15:00 PM		10/8/2007	Water	200.7PR/3010A-DISS	☐	☐	☐	☐	SR
				10/8/2007		6010B_DISSOLVED_W	☐	☐	☑	☐	SR
				10/8/2007		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				10/8/2007		ORG_LEAD CA22_SUB	☐	☐	☐	☑	SR
				10/8/2007		TDS_W	☐	☐	☐	☐	SR
				10/8/2007		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				10/8/2007		TPHDOSG_W	☐	☐	☐	☐	SR

006842

SOIL SAMPLES - RUSH!

Treadwell&Rollo

Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

Page 1 of 2

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415.955.9040/Fax: 415.955.9041
☒ 501 14th Street, Third Floor, Oakland CA 94612 Ph: 510.874.4500/Fax: 510.874.4507
777 Campus Commons Road, Suite 200, Sacramento, CA 95825 Ph: 916.565.7412/Fax: 916.565.7413
50 Airport Parkway, Suite 175, San Jose, CA 95110 Ph: 408.437.7708/Fax: 408.437.7709

Site Name: The Colony
Job Number: 451699.02
Project Manager\Contact: Eric Morita
Samplers: Louis Arighi
Recorder (Signature Required):

Turnaround Time: 24 HOUR RUSH

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH-d w/SG cleanup	TPH-g - 8260	BTEX	LEAD SCAVENGERS	MTBE	FUEL OXYGENATES	TOTAL LEAD	Silica gel clean-up	Hold	Remarks
VST-1a-12.0	10/5/07	~~11:10~~ 11:17	001A	X							1	X	X	X	X	X	X	X			24 HOUR RUSH!
VST-2-12.0		11:25	002A	X							1	X	X	X	X	X	X	X			
VST-25a-8.0		13:15	003A	X							1	X	X	X	X	X	X	X			
VST-12b-8.0		13:35	004A	X							1	X	X	X	X	X	X	X			
VST-10d-8.0		13:37	005A	X							2	X	X	X	X	X	X	X			
VST-10c-8.0		14:10	006A	X							2	X	X	X	X	X	X	X			24 Hour RUSH!

RUSH 1 DAY

Relinquished by: (Signature)	Date 10/5/07	Time 1601	Received by: (Signature)	Date 10-5-07 Time 1601
Relinquished by: (Signature)	Date 10/5/07	Time 5:36	Received by: (Signature)	Date 10.5.07 Time 5:36 P
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date Time

Sent to Laboratory (Name): Torrent Laboratories
Laboratory Comments/Notes:

Method of Shipment ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

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Treadwell&Rollo

Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

Page 2 of 2

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☐ 50 Airport Parkway, Suite 175, San Jose, CA 95110 Ph: 408.437.7708/Fax: 408.437.7709

Site Name: The Colony ~~at Jack London Square~~
Job Number: 4560.02
Project Manager\Contact: Eric Morita
Samplers: Louis Arigoni
Recorder (Signature Required):

Turnaround Time: ~~Standard~~ 5-days

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Poly	1-L	Analysis Requested: TPH-d, MO w/SILICA GEL	TPH-gas - 8260	BTEX - 8260	LEAD SCAVENGERS	MTBE	FUEL OXYGENATES	LEAD - Laboratory FILTERED	Organic Lead	Total Dissolved Solids (TDS)	Silica gel clean-up	Hold	07108035 Remarks
VST-GW-120	10/5/07	14:15	007A		X			6		·		4	2	X	X	X	X	X	X	X	X	X			★ MUST FILTER IN LAB & Preserve in Lab. ★

Relinquished by: (Signature)	Date 10/5/07	Time 1601	Received by: (Signature) / Date 10-5-07 / Time 1601
Relinquished by: (Signature)	Date 10/5/07	Time 5:36	Received by: (Signature) / Date 10.5.07 / Time 5:36
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature) / Date / Time

Sent to Laboratory (Name): Torrent Laboratories
Laboratory Comments/Notes:

Method of Shipment ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

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TORRENT LABORATORY, INC.

483 Sinclair Frontage Rd. • Milpitas, CA 95035 • Ph: (408) 263-5258 • Fax: (408) 263-8293

www.torrentlab.com

October 18, 2007

Eric Morita
Treadwell & Rollo(Oakland)
501 14th Street 3rd Floor
Oakland, CA 94612

TEL: (510) 874-4500
FAX (510) 874-4507

RE: 4568.02

Order No.: 0710115

Dear Eric Morita:

Torrent Laboratory, Inc. received 6 samples on 10/16/2007 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director

10/18/07
Date

Patti Sandrock
QA Officer

Torrent Laboratory, Inc.

Date: *18-Oct-07*

CLIENT: Treadwell & Rollo(Oakland)
Project: 4568.02
Lab Order: 0710115

CASE NARRATIVE

Analytical Comments for METHOD TPH Extractable analyses: Note: Per client request, silca gel clean up procedures emplyed on all samples

Analytical Comment for TEPHSG_W, Note:The % recovery for the Petacosane surrogate in the LCSD is outside of laboratory control limits (high bias). All samples were Non Detect for those compounds associated with the surrogate. No corrective action is required.

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/16/2007
Date Reported: 10/18/2007

Client Sample ID: TR-1-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 10:15:00 AM

Lab Sample ID: 0710115-001
Date Prepared: 10/17/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Bunker Oil)	SW8015B	10/18/2007	4	1	4.00	ND	mg/Kg	R14253
TPH (Diesel)	SW8015B	10/18/2007	2	1	2.00	ND	mg/Kg	R14253
TPH (Motor Oil)	SW8015B	10/18/2007	4	1	4.00	ND	mg/Kg	R14253
Surr: Pentacosane	SW8015B	10/18/2007	0	1	53.5-127	87.4	%REC	R14253

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/16/2007
Date Reported: 10/18/2007

Client Sample ID: TR-1-GW
Sample Location: The Colony at Jack London Squa
Sample Matrix: GROUNDWATER
Date/Time Sampled 10/16/2007 10:30:00 AM

Lab Sample ID: 0710115-002
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	10/17/2007	10	1	10	460	mg/L	R14254
TPH (Bunker Oil)	SW8015B	10/18/2007	0.2	1	0.256	ND	mg/L	R14251
TPH (Diesel)	SW8015B	10/18/2007	0.1	1	0.128	ND	mg/L	R14251
TPH (Motor Oil)	SW8015B	10/18/2007	0.2	1	0.256	ND	mg/L	R14251
Surr: Pentacosane	SW8015B	10/18/2007	0	1	46.8-104	101	%REC	R14251

Note: Reporting limits increased due to limited sample available (sediment present).

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/16/2007
Date Reported: 10/18/2007

Client Sample ID: TR-2-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 11:05:00 AM

Lab Sample ID: 0710115-003
Date Prepared: 10/17/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Bunker Oil)	SW8015B	10/18/2007	4	1	4.00	ND	mg/Kg	R14253
TPH (Diesel)	SW8015B	10/18/2007	2	1	2.00	ND	mg/Kg	R14253
TPH (Motor Oil)	SW8015B	10/18/2007	4	1	4.00	ND	mg/Kg	R14253
Surr: Pentacosane	SW8015B	10/18/2007	0	1	53.5-127	93.3	%REC	R14253

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/16/2007
Date Reported: 10/18/2007

Client Sample ID: TR-2-GW
Sample Location: The Colony at Jack London Squa
Sample Matrix: GROUNDWATER
Date/Time Sampled 10/16/2007 11:45:00 AM

Lab Sample ID: 0710115-004
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	10/17/2007	10	1	10	440	mg/L	R14254
TPH (Bunker Oil)	SW8015B	10/18/2007	0.2	1	0.278	ND	mg/L	R14251
TPH (Diesel)	SW8015B	10/18/2007	0.1	1	0.139	ND	mg/L	R14251
TPH (Motor Oil)	SW8015B	10/18/2007	0.2	1	0.278	ND	mg/L	R14251
Surr: Pentacosane	SW8015B	10/18/2007	0	1	46.8-104	96.0	%REC	R14251

Note: Reporting limits increased due to limited sample available (sediment present).

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/16/2007
Date Reported: 10/18/2007

Client Sample ID: TR-3-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 12:00:00 PM

Lab Sample ID: 0710115-005
Date Prepared: 10/17/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	10/18/2007	2	1	2.00	ND	mg/Kg	R14253
TPH (Motor Oil)	SW8015B	10/18/2007	4	1	4.00	ND	mg/Kg	R14253
Surr: Pentacosane	SW8015B	10/18/2007	0	1	28-125	93.8	%REC	R14253
TPH (Gasoline)	SW8260B(TPH)	10/17/2007	100	1	100	ND	µg/Kg	G14233
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/17/2007	0	1	56.9-133	80.0	%REC	G14233

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 10/16/2007
Date Reported: 10/18/2007

Client Sample ID: TR-3-GW
Sample Location: The Colony at Jack London Squa
Sample Matrix: GROUNDWATER
Date/Time Sampled 10/16/2007 12:20:00 PM

Lab Sample ID: 0710115-006
Date Prepared: 10/17/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	10/17/2007	10	1	10	700	mg/L	R14254
TPH (Diesel)	SW8015B	10/18/2007	0.1	1	0.112	ND	mg/L	R14251
TPH (Motor Oil)	SW8015B	10/18/2007	0.2	1	0.224	ND	mg/L	R14251
Surr: Pentacosane	SW8015B	10/18/2007	0	1	40-120	92.0	%REC	R14251
Note: Reporting limits increased due to limited sample available (sediment present).								
TPH (Gasoline)	SW8260B(TPH)	10/17/2007	50	1.22	61	ND	µg/L	G14239
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	10/17/2007	0	1.22	58.4-133	75.0	%REC	G14239
Note: Sample diluted prior to the analysis due to high level of sediment in all VOAs.								

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710115
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: G14233

Sample ID **MB-G**	SampType: **MBLK**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/16/2007**	RunNo: **14233**
Client ID: **ZZZZZ**	Batch ID: **G14233**	TestNo: **SW8260B(TP**		Analysis Date: **10/16/2007**	SeqNo: **205924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	100									
Surr: 4-Bromofllurobenzene	49.00	0	50	0	98.0	56.9	133				

Sample ID **LCS-G**	SampType: **LCS**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/16/2007**	RunNo: **14233**
Client ID: **ZZZZZ**	Batch ID: **G14233**	TestNo: **SW8260B(TP**		Analysis Date: **10/16/2007**	SeqNo: **205935**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	1102	100	1000	24	108	48.2	132				
Surr: 4-Bromofllurobenzene	48.00	0	50	0	96.0	56.9	133				

Sample ID **LCSD-G**	SampType: **LCSD**	TestCode: **TPH_GAS_S**	Units: **µg/Kg**	Prep Date: **10/17/2007**	RunNo: **14233**
Client ID: **ZZZZZ**	Batch ID: **G14233**	TestNo: **SW8260B(TP**		Analysis Date: **10/17/2007**	SeqNo: **205936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	1109	100	1000	24	108	48.2	132	1102	0.633	30	
Surr: 4-Bromofllurobenzene	47.00	0	50	0	94.0	56.9	133	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710115
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: G14239

Sample ID **MB-G**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **10/16/2007**	RunNo: **14239**
Client ID: **ZZZZZ**	Batch ID: **G14239**	TestNo: **SW8260B(TP**		Analysis Date: **10/16/2007**	SeqNo: **205993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	8.200	0	11.36	0	72.2	58.4	133				

Sample ID **LCS-G**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **10/16/2007**	RunNo: **14239**
Client ID: **ZZZZZ**	Batch ID: **G14239**	TestNo: **SW8260B(TP**		Analysis Date: **10/16/2007**	SeqNo: **205994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	195.0	50	227	0	85.9	52.4	127				
Surr: 4-Bromofllurobenzene	8.700	0	11.36	0	76.6	58.4	133				

Sample ID **LCSD-G**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **10/17/2007**	RunNo: **14239**
Client ID: **ZZZZZ**	Batch ID: **G14239**	TestNo: **SW8260B(TP**		Analysis Date: **10/17/2007**	SeqNo: **205995**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	220.0	50	227	0	96.9	52.4	127	195	12.0	20	
Surr: 4-Bromofllurobenzene	8.900	0	11.36	0	78.3	58.4	133	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710115
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14251

Sample ID **WDSG071017A-MB**	SampType: **MBLK**	TestCode: **TEPHSG_W**	Units: **mg/L**	Prep Date: **10/17/2007**	RunNo: **14251**
Client ID: **ZZZZZ**	Batch ID: **R14251**	TestNo: **SW8015B**		Analysis Date: **10/18/2007**	SeqNo: **206166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Bunker Oil)	ND	0.200									
TPH (Diesel)	ND	0.100									
TPH (Motor Oil)	ND	0.200									
Surr: Pentacosane	0.1030	0	0.1	0	103	46.8	104				

Sample ID **WDSG071017A-LCS**	SampType: **LCS**	TestCode: **TEPHSG_W**	Units: **mg/L**	Prep Date: **10/17/2007**	RunNo: **14251**
Client ID: **ZZZZZ**	Batch ID: **R14251**	TestNo: **SW8015B**		Analysis Date: **10/18/2007**	SeqNo: **206167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.3670	0.100	1	0	36.7	30	68.5				
Surr: Pentacosane	0.09900	0	0.1	0	99.0	46.8	104				

Sample ID **WDSG071017A-LCS**	SampType: **LCSD**	TestCode: **TEPHSG_W**	Units: **mg/L**	Prep Date: **10/17/2007**	RunNo: **14251**
Client ID: **ZZZZZ**	Batch ID: **R14251**	TestNo: **SW8015B**		Analysis Date: **10/18/2007**	SeqNo: **206168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.3430	0.100	1	0	34.3	30	68.5	0.367	6.76	30	
Surr: Pentacosane	0.1070	0	0.1	0	107	46.8	104	0	0	0	S

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710115
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14253

Sample ID **SDSG071017A-MB**	SampType: **MBLK**	TestCode: **TEPHSG_SOI**	Units: **mg/Kg**	Prep Date: **10/17/2007**	RunNo: **14253**
Client ID: **ZZZZZ**	Batch ID: **R14253**	TestNo: **SW8015B**		Analysis Date: **10/18/2007**	SeqNo: **206184**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Bunker Oil)	ND	4.00									
TPH (Diesel)	ND	2.00									
TPH (Motor Oil)	ND	4.00									
Surr: Pentacosane	3.400	0	3.33	0	102	53.5	127				

Sample ID **SDSG071017A-LCS**	SampType: **LCS**	TestCode: **TEPHSG_SOI**	Units: **mg/Kg**	Prep Date: **10/17/2007**	RunNo: **14253**
Client ID: **ZZZZZ**	Batch ID: **R14253**	TestNo: **SW8015B**		Analysis Date: **10/18/2007**	SeqNo: **206185**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	28.10	2.00	33.3	0	84.4	46.2	109				
Surr: Pentacosane	3.570	0	3.33	0	107	53.5	127				

Sample ID **SDSG071017A-LCS**	SampType: **LCSD**	TestCode: **TEPHSG_SOI**	Units: **mg/Kg**	Prep Date: **10/17/2007**	RunNo: **14253**
Client ID: **ZZZZZ**	Batch ID: **R14253**	TestNo: **SW8015B**		Analysis Date: **10/18/2007**	SeqNo: **206186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	28.68	2.00	33.3	0	86.1	46.2	109	28.1	2.04	30	
Surr: Pentacosane	3.826	0	3.33	0	115	53.5	127	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0710115
Project: 4568.02

ANALYTICAL QC SUMMARY REPORT

BatchID: R14254

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:	RunNo: **14254**
Client ID: **ZZZZZ**	Batch ID: **R14254**	TestNo: **E160.1**		Analysis Date: **10/17/2007**	SeqNo: **206195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	ND	10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

0710115 006847

Treadwell&Rollo

Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

Page 1 of 1

☐ 555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415.955.9040/Fax: 415.955.9041
☒ 501 14th Street, Third Floor, Oakland CA 94612 Ph: 510.874.4500/Fax: 510.874.4507
☐ 777 Campus Commons Road, Suite 200, Sacramento, CA 95825 Ph: 916.565.7412/Fax: 916.565.7413
☐ 50 Airport Parkway, Suite 175, San Jose, CA 95110 Ph: 408.437.7708/Fax: 408.437.7709

Site Name: The Colony at Jack London Square
Job Number: 4568.02
Project Manager\Contact: Eric Morita
Samplers: Eric Morita
Recorder (Signature Required):

Turnaround Time: 2-day RUSH

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH-gas	TPH-d,mo with silica gel	TPH-bunker oil w/silica gel	TDS by 160.1	Silica gel clean-up	Hold	Remarks
TR-1-9.5	10/16/07	10:15	0710115-001A	X							1		X	X		X		
TR-1-GW		10:30	0710115-002		X						3		X	X	X	X		
TR-2-9.5		11:09	-003	X							1		X	X		X		
TR-2-GW		11:45	-004		X						3		X	X	X	X		
TR-3-9.5		12:00	-005	X							1	X	X			X		
TR-3-GW	↓	12:20	0710115-006A		X			3			3	X	X		X	X		

RUSH
2 DAYS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/16/07	16:05		10-16-07	1605
	10/16/07			10/16/07	17:20

Sent to Laboratory (Name): Torrent Laboratories
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☒ Private Courier (Co. Name) High Speed

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

8 of 16

Torrent
LABORATORY, INC.

November 07, 2007

Eric Morita
Treadwell & Rollo(Oakland)
501 14th Street 3rd Floor
Oakland, CA 94612

TEL: (510) 874-4500
FAX (510) 874-4507

RE:

Order No.: 0711013

Dear Eric Morita:

Torrent Laboratory, Inc. received 5 samples on 11/2/2007 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director

11/7/07
Date

Patti Sandrock
QA Officer

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 11/2/2007
Date Reported: 11/7/2007

Client Sample ID: TR-1-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 10:15:00 AM

Lab Sample ID: 0711013-001
Date Prepared: 11/5/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	11/6/2007	1	1	1.0	3.4	mg/Kg	3918

Client Sample ID: TR-2-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 11:09:00 AM

Lab Sample ID: 0711013-002
Date Prepared: 11/5/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	11/6/2007	1	1	1.0	2.0	mg/Kg	3918

Client Sample ID: TR-3-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 12:00:00 PM

Lab Sample ID: 0711013-003
Date Prepared: 11/5/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	11/6/2007	1	1	1.0	1.7	mg/Kg	3918

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Eric Morita
Treadwell & Rollo(Oakland)

Date Received: 11/2/2007
Date Reported: 11/7/2007

Client Sample ID: TR-4-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 12:35:00 PM

Lab Sample ID: 0711013-004
Date Prepared: 11/5/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	11/6/2007	1	1	1.0	2.6	mg/Kg	3918

Client Sample ID: TR-5-9.5
Sample Location: The Colony at Jack London Squa
Sample Matrix: SOIL
Date/Time Sampled 10/16/2007 1:30:00 PM

Lab Sample ID: 0711013-005
Date Prepared: 11/5/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Lead	SW6010B	11/6/2007	1	1	1.0	2.3	mg/Kg	3918

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Torrent Laboratory, Inc.

Date: *07-Nov-07*

CLIENT: Treadwell & Rollo(Oakland)
Work Order: 0711013
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 3918

Sample ID **MB-3918**	SampType: **MBLK**	TestCode: **6010B_S**	Units: **mg/Kg**	Prep Date: **11/5/2007**	RunNo: **14482**
Client ID: **ZZZZZ**	Batch ID: **3918**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **11/6/2007**	SeqNo: **208954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-3918**	SampType: **LCS**	TestCode: **6010B_S**	Units: **mg/Kg**	Prep Date: **11/5/2007**	RunNo: **14482**
Client ID: **ZZZZZ**	Batch ID: **3918**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **11/6/2007**	SeqNo: **208952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.10	1.0	50	0	100	67.9	118				

Sample ID **LCSD-3918**	SampType: **LCSD**	TestCode: **6010B_S**	Units: **mg/Kg**	Prep Date: **11/5/2007**	RunNo: **14482**
Client ID: **ZZZZZ**	Batch ID: **3918**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **11/6/2007**	SeqNo: **208953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.70	1.0	50	0	101	67.9	118	50.1	1.19	30	

Sample ID **0711013-001AMS**	SampType: **MS**	TestCode: **6010B_S**	Units: **mg/Kg**	Prep Date: **11/5/2007**	RunNo: **14482**
Client ID: **TR-1-9.5**	Batch ID: **3918**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **11/6/2007**	SeqNo: **208943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.35	1.0	50	3.4	93.9	60.5	113				

Sample ID **0711013-001AMSD**	SampType: **MSD**	TestCode: **6010B_S**	Units: **mg/Kg**	Prep Date: **11/5/2007**	RunNo: **14482**
Client ID: **TR-1-9.5**	Batch ID: **3918**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **11/6/2007**	SeqNo: **208944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.20	1.0	50	3.4	97.6	60.5	113	50.35	3.61	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 0711013

Company Name: Treadwell & Rollo
Address: 501 14th st, 3rd floor
City: Oakland State: CA Zip Code:
Telephone: FAX:
REPORT TO: Eric Morita SAMPLER:

Location of Sampling: The Colony at Jack London Square
Purpose:
Special Instructions / Comments: Add'l request for Pb original wo# 0710115
P.O. #: 4568.02 EMAIL:

TURNAROUND TIME:
- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
- ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
- ☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:
- ☐ Storm Water ☐ Air
- ☐ Waste Water ☐ Other
- ☐ Ground Water
- ☒ Soil

REPORT FORMAT:
- ☐ QC Level IV
- ☐ EDF
- ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Pb		Original wo#						REMARKS
001A	TR-1-9.5	10/16 10:15	S	1	Brass sleeve	X			07	10115	-	001	A	
002A	TR-2-9.5	10/16 11:09	"	"	"	X			07	10115	-	003	A	
003A	TR-3-9.5	10/16 12:00	"	"	"	X			07	10115	-	005	A	
004A	TR-4-9.5	10/16 12:35	"	"	"	X			07	10116	-	001	A	
005A	TR-5-9.5	10/16 13:30	"	"	"	X			07	10116	-	003	A	

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Eric Morita	(Fax)	11/2/07		M-S Cabri		11/2/07	
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page _____ of _____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

APPENDIX C
Boring Logs

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Names
Coarse-Grained Soils (more than half of soil > no. 200 sieve size)	**Gravels** (More than half of coarse fraction > no. 4 sieve size)	**GW**	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction < no. 4 sieve size)	**SW**	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
Fine -Grained Soils (more than half of soil < no. 200 sieve size)	**Silts and Clays** LL = < 50	**ML**	Inorganic silts and clayey silts of low plasticity, sandy silts, gravelly silts
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	Silts and Clays LL = > 50	**MH**	Inorganic silts of high plasticity
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic silts and clays of high plasticity
Highly Organic Soils		**PT**	Peat and other highly organic soils

GRAIN SIZE CHART

Classification	Range of Grain Sizes	
	U.S. Standard Sieve Size	Grain Size in Millimeters
Boulders	Above 12"	Above 305
Cobbles	12" to 3"	305 to 76.2
Gravel	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.074
coarse	No. 4 to No. 10	4.76 to 2.00
medium	No. 10 to No. 40	2.00 to 0.420
fine	No. 40 to No. 200	0.420 to 0.074
Silt and Clay	Below No. 200	Below 0.074

Unstabilized groundwater level

Stabilized groundwater level

SAMPLE DESIGNATIONS/SYMBOLS

Sample taken with Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter. Darkened area indicates soil recovered

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push sampler

Sonic

SAMPLER TYPE

C Core barrel

CA California split-barrel sampler with 2.5-inch outside diameter and a 1.93-inch inside diameter

D&M Dames & Moore piston sampler using 2.5-inch outside diameter, thin-walled tube

O Osterberg piston sampler using 3.0-inch outside diameter, thin-walled Shelby tube

PT Pitcher tube sampler using 3.0-inch outside diameter, thin-walled Shelby tube

S&H Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter

SPT Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and a 1.5-inch inside diameter

ST Shelby Tube (3.0-inch outside diameter, thin-walled tube) advanced with hydraulic pressure

THE COLONY DEVELOPMENT
311 2ND STREET
Oakland, California

Treadwell&Rollo

CLASSIFICATION CHART

Date 11/07/07 | Project No. 4568.02 | Figure C-1

PROJECT: **THE COLONY DEVELOPMENT**
311 2ND STREET
Oakland, California

Log of Boring TR-1

Boring location: See Site Plan, Figure 2

Logged by: E. Morita
Drilled By: RSI Drilling

Date started: 10/16/07 | Date finished: 10/16/07

Drilling method: Dual Tube

Hammer weight/drop: -- | Hammer type: --

Sampler: Direct Push

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (feet)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0 ppm	SM	SILTY SAND with GRAVEL (SM) brown, medium dense, moist, subangular, slightly plastic, well graded, no odor, 10 percent gravel, 55 percent fine to medium sand, 35 percent fines fill from demolition activities at surface, some concrete and brick pieces
3						SM	SILTY SAND (SM) brown, moist, subrounded, slightly plastic, poorly graded, no odor, 75 percent fine sand, 25 percent fines
5					0 ppm		No recovery from 5 to 8 feet used piston-tip to remove possible obstruction in front of direct push sampler
8							▽
9	TR-1-9.5				0 ppm	SP	SAND with SILT (SP) light brown, loose, wet to saturated, non plastic, no odor, 85 percent fine to medium sand, 15 percent fines wet at 8 feet saturated at 10 feet
12							

Boring terminated at a depth of 12 feet below ground surface.
Boring backfilled with bentonite.
Groundwater encountered at a depth of 8 feet.

Treadwell&Rollo

Project No.: 4568.02 | Figure: C-2

TEST ENVIRONMENTAL 456802.GPJ T&R.GDT 11/30/07

PROJECT: **THE COLONY DEVELOPMENT**
311 2ND STREET
Oakland, California

Log of Boring TR-2

Boring location: See Site Plan, Figure 2

Logged by: E. Morita
Drilled By: RSI Drilling

Date started: 10/16/07 | Date finished: 10/16/07

Drilling method: Dual Tube

Hammer weight/drop: -- | Hammer type: --

Sampler: Direct Push

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (feet)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0						SM	SILTY SAND with GRAVEL (SM) brown, medium dense, moist, slightly plastic, well graded, no odor, 5 percent gravel, 60 percent fine to medium sand, 35 percent fines concrete and brick fragments at surface
2					0 ppm		SILTY SAND (SM) light to medium brown, loose, wet to saturated, subrounded, slightly plastic, poorly graded, no odor, 80 percent fine to medium sand, 20 percent fines
7					0 ppm		
8						SM	
9					0 ppm		wet at 8 feet
10	TR-2-9.5	●				▽	
13					0 ppm		
16					0 ppm		
30							

Boring terminated at a depth of 16 feet below ground surface.
Boring backfilled with bentonite.
Groundwater encountered at a depth of 10 feet.

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Project No.: 4568.02 | Figure: C-3

TEST ENVIRONMENTAL 456802.GPJ T&R.GDT 11/30/07

PROJECT:	**THE COLONY DEVELOPMENT** **311 2ND STREET** Oakland, California	**Log of Boring TR-3** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: E. Morita Drilled By: RSI Drilling
Date started: 10/16/07	Date finished: 10/16/07	
Drilling method: Dual Tube		
Hammer weight/drop: --	Hammer type: --	
Sampler: Direct Push		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (feet)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0 ppm	SM	SILTY SAND with GRAVEL (SM) brown, medium dense, moist, angular, slightly plastic, well graded, no odor, 10 percent gravel, 55 percent fine to medium sand, 35 percent fines brick fragments
1–3							SILTY SAND (SM) medium brown, loose to medium dense, moist to wet, surangular, slightly plastic, well graded, no odor, 65 percent fine to medium sand, 35 percent fines
4–7						SM	
7					0 ppm		
8							SAND with SILT (SP) light brown, loose, wet to saturated, slightly plastic, 85 percent fine to medium sand, 15 percent fines
9							
10	TR-3-9.5				0 ppm	▽	
11–13						SP	
14					0 ppm		
15							
16–30							

Boring terminated at a depth of 15 feet below ground surface.
Boring backfilled with bentonite.
Groundwater encountered at a depth of 10 feet.

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Project No.:	Figure:
4568.02	C-4

TEST ENVIRONMENTAL 456802.GPJ T&R.GDT 11/30/07

PROJECT: **THE COLONY DEVELOPMENT**
311 2ND STREET
Oakland, California

Log of Boring TR-4

Boring location: See Site Plan, Figure 2

Logged by: E. Morita
Drilled By: RSI Drilling

Date started: 10/16/07 | Date finished: 10/16/07

Drilling method: Dual Tube

Hammer weight/drop: -- | Hammer type: --

Sampler: Direct Push

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (feet)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0						SM	SILTY SAND with GRAVEL (SM) medium brown, medium dense, moist, subangular, slightly plastic to plastic, well graded, no odor, 10 percent gravel, 50 percent sand, 40 percent fines concrete fragments
2					0 ppm		SILTY SAND (SM) brown to light brown, loose to medium dense, moist to wet, subangular, slightly plastic, moderately graded, no odor, 65 percent fine to medium sand, 35 percent fines
5						SM	
6					0 ppm		
9							
10	TR-4-9.5	●				▽	
11					0 ppm		SAND with SILT (SP) light brown, loose, saturated, non plastic to slightly plastic, no odor, 85 percent fine to medium sand, 15 percent fines
12						SP	
15							
30							

Boring terminated at a depth of 15 feet below ground surface.
Boring backfilled with bentonite.
Groundwater encountered at a depth of 10 feet.

Treadwell&Rollo

Project No.: 4568.02 | Figure: C-5

TEST ENVIRONMENTAL 456802.GPJ T&R.GDT 11/30/07

PROJECT: **THE COLONY DEVELOPMENT**
311 2ND STREET
Oakland, California

Log of Boring TR-5

Boring location: See Site Plan, Figure 2

Logged by: E. Morita
Drilled By: RSI Drilling

Date started: 10/16/07 | Date finished: 10/16/07

Drilling method: Dual Tube

Hammer weight/drop: -- | Hammer type: --

Sampler: Direct Push

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (feet)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0 ppm	SM	SILTY SAND with GRAVEL (SM) brown, medium dense, moist, subangular, slightly plastic, well graded, no odor, 10 percent gravel, 60 percent fine to medium sand, 30 percent fines
1–3						SM	SAND with SILT (SP) brown, loose, moist, plastic, poorly graded, no odor, 85 percent fine sand, 15 percent fines
5–7						CL	SANDY CLAY (CL) dark brown to black-brown, stiff, wet, plastic, poorly graded, no odor, 45 percent fine sand, 55 percent fines
9–10	TR-5-9.5					SM	SAND with SILT (SM) olive brown, loose, wet to saturated, subangular, non plastic to slightly plastic, poorly graded, no odor, 80 percent fine to coarse sand, 20 percent fines ▽
12–14						SM	SILTY SAND (SM) light brown, loose, saturated, subangular, non plastic to slightly plastic, poorly graded, no odor, 75 percent fine to medium sand, 25 percent fines
15							

Boring terminated at a depth of 15 feet below ground surface.
Boring backfilled with bentonite.
Groundwater encountered at a depth of 10 feet.

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Project No.: 4568.02 | Figure: C-6

TEST ENVIRONMENTAL 456802.GPJ T&R.GDT 11/30/07