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January 27, 2009

Mr. Keith Matthews
City of Oakland
Fire Prevention Bureau
250 Frank Ogawa Plaza, Suite 3341
Oakland, California 94612-2032

Subject: Site Located at 316 38th Street, Oakland, California

Dear Mr. Matthews:

Enclosed for your review is SOMA's "Underground Storage Tank Closure Report" for the subject site location.

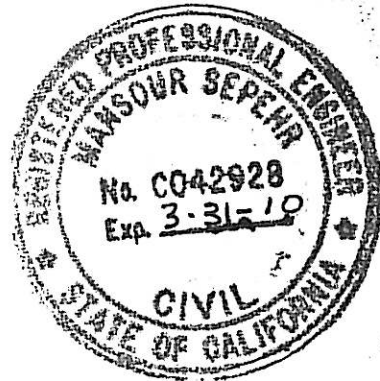
If you have any questions or comments, please do not hesitate to call me at 925-734-6400.

Sincerely,

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

Enclosure

cc: John Kortum, Esq. w/enclosure
ARCHER.NORRIS
Mr. Jerry Wickham w/enclosure
Alameda County Environmental Health Services



**Underground Storage Tank
Closure Report**

**316 38th Street
Oakland, California**

January 27, 2009

Project 2722

**Prepared for
Mr. Earl Thompson, Jr.
Executor for the Estate of Earl Thompson, Sr.**

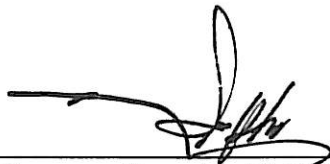


ENVIRONMENTAL ENGINEERING, INC.

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CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report on behalf of Mr. Earl Thompson, Jr., Executor for the Estate of Earl Thompson, Sr., property owner of 316 38th Street, Oakland, California, to comply with City of Oakland Fire Department requirements for the underground storage tanks closure.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist



TABLE OF CONTENTS

CERTIFICATION	i
TABLE OF CONTENTS	ii
LIST OF TABLES	ii
LIST OF FIGURES	ii
LIST OF APPENDICES	iii
1. INTRODUCTION	1
1.1 Site Vicinity	1
1.2 Site Hydrogeology	2
2. SCOPE OF WORK	2
3. FIELD ACTIVITIES	3
3.1 Pre-Investigation Activities	3
3.2 Decommissioning Activities	4
3.3 Confirmation Sampling Around USTs	6
3.3.1 Soil Sample Collection and Screening	8
3.3.2 Groundwater Collection and Analyses	8
3.3.3 Direct-Push Boring Abandonment	8
3.3.4 Drilling Waste Disposal	9
4. SOIL AND GROUNDWATER LABORATORY ANALYSIS	9
4.1.1 Extent of Soil Contamination	9
4.1.2 Extent of Groundwater Contamination	10
5. CONCLUSIONS AND RECOMMENDATIONS	11
5.1 Conclusions	11
5.2 Recommendations	11

LIST OF TABLES

Table 1	Soil Analytical Results (TPH and BTEX)
Table 2	Soil Analytical Results (VOC compounds)
Table 3	Groundwater Analytical Results (TPH and BTEX)
Table 4	Groundwater Analytical Results (VOC compounds)

LIST OF FIGURES

Figure 1	Site Vicinity Map
Figure 2	Site Map Showing the Locations of USTs and the Advanced Sampling Boreholes
Figure 3	Map of TPH-g Concentration in Soil at 6 to 8 feet bgs

- Figure 4 Map of TPH-ss Concentration in Soil at 6 to 8 feet bgs
Figure 5 Contour of TPH-g Concentration in Soil at 12 feet bgs
Figure 6 Contour of TPH-ss Concentration in Soil at 12 feet bgs
Figure 7 Contour of TPH-g Concentration in Soil at 14 feet bgs
Figure 8 Contour of TPH-ss Concentration in Soil at 14 feet bgs
Figure 9 Contour of TPH-g Concentration in Groundwater
Figure 10 Contour of TPH-d Concentration in Groundwater
Figure 11 Contour of TPH-ss Concentration in Groundwater
Figure 12 Contour of Kerosene Concentration in Groundwater

LIST OF APPENDICES

- Appendix A Permits and Relevant Licensing Documentation
Appendix B Field and Laboratory Procedures
Appendix C Boring Logs
Appendix D Waste Disposal Manifests and Other Relevant Documentation
Appendix E Photographic Documentation
Appendix F Laboratory Report and Chain of Custody Form

1. INTRODUCTION

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report on behalf of Mr. Earl Thompson, Jr., Executor for the Estate of Earl Thompson Sr., property owner of 316 38th Street in Oakland, California (the Thompson Property). The site is located in an area of primarily commercial and residential property uses (Figure 1). This report summarizes results of decommissioning of three underground storage tanks (USTs) located under the sidewalk adjacent to the Thompson Property and confirmation sampling activities at the site. These activities were performed pursuant to an agreement with the City of Oakland and in accordance with general guidelines of the City of Oakland Fire Department (OFD) and the California Regional Water Quality Control Board (CRWQCB).

1.1 Site Vicinity

Properties in the vicinity of the Thompson Property are primarily commercial and residential. Reportedly, previously six underground storage tanks (USTs) were located at or near the nearby Glovatorium site located at 3820 Manila Avenue (Glovatorium Property). Two USTs associated with the Glovatorium Property were located under the sidewalk near 316 38th Street and four USTs were located inside the Glovatorium building. Capacities of six Glovatorium USTs have been reported as ranging from 800 gallons to 5,000 gallons. They reportedly contained Stoddard solvent (TPH-ss), fuel oil, and possibly waste oil. In June 1997, HK2 obtained City of Oakland Fire Prevention Bureau permit No. 52-97 to decommission the existing USTs. In August 1997, the six Glovatorium USTs were abandoned in-place by backfilling with either cement-sand slurry or pea gravel. Groundwater monitoring wells associated with the Glovatorium site are currently monitored semi-annually. Past groundwater monitoring events have indicated the presence of volatile organic compounds (VOCs) and petroleum hydrocarbons in groundwater beneath the Glovatorium site and adjacent properties. The source of contamination is believed to be either the former Glovatorium USTs, which were used to store TPH-ss and VOCs, or releases from the Glovatorium piping on the washer system and from washing floors within the Glovatorium building with TPH-ss. At this time, multi-phase extraction (MPE) pilot testing events are being conducted at the Glovatorium site to remediate subsurface contamination. Furthermore, a TOSCO Marketing Company service station is located north and upgradient of the site, at 40th Street and Broadway, and contains a number of groundwater monitoring wells, as shown in Figure 2.

Due to low concentration of chlorinated solvents detected in groundwater in close proximity of the USTs (Thompson Property), it does not seem that the three USTs under the sidewalk of 38th Street made any contribution to the existing chlorinated solvent plume, which is primarily emanated beneath the former Glovatorium property. However, it is likely there has been a release of petroleum hydrocarbons from one or more of the three USTs, which may have impacted

groundwater quality beneath the tank location. It is recommended that further characterization of the contamination in the area of the USTs is conducted.

1.2 Site Hydrogeology

The site is located on the alluvial plain between the San Francisco Bay shoreline and the Oakland hills. Surface sediments in the site vicinity consist of Holocene alluvial deposits that are representative of an alluvial fan depositional environment. These deposits consist of brown, medium dense sand that fines upward to sandy or silty clay. The pattern of stream channel deposition results in a three-dimensional network of coarse-grained sediments interspersed with finer grained silts and clays. The individual units tend to be discontinuous lenses aligned parallel to the axis of the former stream flow direction.

Sediments encountered in soil borings in the vicinity of the site are typical of those encountered in an alluvial fan depositional environment. The sediments are predominantly fine-grained, consisting of clay, silty clay, sandy clay, gravelly clay and clayey silt. Discontinuous layers of coarse-grained sediments (clayey sand, silty sand, and clayey gravel) generally also contain relatively high percentages of silt and clay, which tend to reduce their permeability. A relatively coarse-grained layer of silty sand, clayey sand, and clayey gravel was encountered at approximately 4.5 to 14 feet below ground surface (bgs). A discontinuous layer of silty to clayey sand was encountered at depths of 17 to 21 bgs.

According to results of historical groundwater monitoring activities in the site vicinity, groundwater occurs at 13 to 20 feet bgs. Based on current and previous groundwater monitoring reports for wells in the vicinity of the site, groundwater flows from the northeast to the southwest with an approximate groundwater flow gradient of 0.019 ft/ft to 0.035 ft/ft. Slug test results indicated that hydraulic conductivity of saturated sediments ranges between 1.2×10^{-4} and 6.9×10^{-4} cm/sec, which is equivalent to 0.34 ft/day to 1.95 ft/day. Using the average groundwater flow gradient of 0.027 and aquifer porosity of 0.32, the groundwater flow velocity ranges between 10.5 and 60.1 ft/year.

2. SCOPE OF WORK

SOMA's workplan entitled "Underground Storage Tank Closure Workplan for 316 38th Street, Oakland, CA" dated June 19, 2007, proposed to close in-place three USTs, Tanks 1 through 3, in front of the subject site. Per a report from Bay Area Seismic Engineering and Construction (Basec), removal of the USTs would damage the building, its foundation, or adjacent structures. Therefore, a UST system closure-in-place was approved by OFD for the decommissioning.

Details of the tasks listed below are discussed in this report.

- Task 1: Permit Acquisition, Health and Safety Plan Preparation, and Subsurface Utility Clearance
- Task 2: Tank Decommissioning
- Task 3: Confirmation Soil and Groundwater Sampling
- Task 4: Report Preparation

3. FIELD ACTIVITIES

3.1 Pre-Investigation Activities

Prior to UST decommissioning activities, SOMA obtained a UST closure permit from OFD (No. T07-034, Appendix A), and excavation and obstruction permits from the City of Oakland Office of Planning and Building (XO802268, XO802267, OB080936, OB080937, OB080935, Appendix A). Based on communication with and approval from City of Oakland, the above excavation and obstruction permits were obtained without the original encroachment permit application, prepared and submitted by SOMA. Changes to the permitted work hours were obtained on November 17, 2008. A traffic control plan was prepared approved by the City of Oakland Public Works Agency (TDS 08-0169, Appendix A).

Before initiating drilling activities, SOMA obtained a well (drilling) permit from Alameda County Public Works Agency (No. W2007-1023, Appendix A). Notifications of the UST decommissioning and drilling start date and inspections scheduling were emailed to all appropriate regulatory agencies as required.

Before initiating field activities, SOMA prepared a site-specific Health and Safety Plan (HASP). The HASP is a requirement of the Occupational Safety and Health Administration (OSHA), "Hazardous Waste Operation and Emergency Response" guidelines (29 CFR 1910.120) and the California Occupational Safety and Health Administration (Cal/OSHA) "Hazardous Waste Operation and Emergency Response" guidelines (CCR Title 8, section 5192). The HASP is designed to address safety provisions during field activities and protect the field crew from physical and chemical hazards resulting from drilling and sampling. It establishes personnel responsibilities, general safe work practices, field procedures, personal protective equipment standards, decontamination procedures, and emergency action plans. The HASP was reviewed and signed by field staff and contractors prior to beginning field operations.

Prior to UST decommissioning activities, SOMA's field crew visited the site on November 3, 2008 and marked UST and proposed boring locations using chalk-based white paint and flags where feasible, and surveyed inside of the site building for any potential piping associated with USTs. With the exception of vent pipes, no piping leading away from the UST area was found. SOMA retained a private utility locator (Cruz Brothers) to survey the proposed drilling areas and locate underground utilities. SOMA visited the site on November 5 and 11, 2008

to measure depth to liquids inside each UST and determine whether leaks possibly existed. On November 5, 2008, depth to liquid inside Tanks 1 through 3 was 0.07 inches bgs, 5.7 feet bgs, and 9.37 feet bgs, respectively. Depth to the bottom of Tanks 1 through 3 was 24.25 feet, 5.76 feet, and 11.14 feet, respectively; depth to water in the vicinity of the site ranges from 13 to 20 feet bgs. Tanks 1 and 3 contained liquid prior to decommissioning, depths to liquid measured at 0.07 inches and 9.37 feet, respectively. Due to the absence of measurable liquid in Tank 2, a determination regarding UST leakage could not be made.

In order to determine whether groundwater recharge would occur during the decommissioning, on November 5, 2008 SOMA purged 55 gallons from the deepest UST, Tank 1, at a rate of 2 gallons per minute (gpm), observing a 10.04 feet drawdown. Based on the achieved drawdown and known removed volume and dimensions, it was determined that a 2-inch fill pipe in Tank 1 extends to 9.82 feet bgs, which is much deeper than the anticipated 3.5 feet bgs. Small recharge was noted on November 5, 2008, however since the liquid levels were drawn beyond the standpipe and into the UST cavity, the rate of recharge was not determinable. For further recharge verification, SOMA visited the site on November 11, 2008. During this visit, depth to liquid in the UST was initially recorded at 5.65 feet bgs, upon removal of 5 gallons of liquid; within 10 minutes depth to liquid was recorded at 5.57 feet bgs. A slow recovery was observed, at approximately 0.04 gpm.

SOMA contacted Underground Service Alert (USA) to ensure work areas were clear of underground utilities; USA clearance was obtained November 10, 2008 (#577894). "No Parking" signs were posted in work areas three days prior to commencement of field activities.

3.2 Decommissioning Activities

The goal of UST closure was to demonstrate to the local agency that all residual amounts of the hazardous substance or hazardous substances which were stored in the UST system prior to closure have been removed, properly disposed of, or neutralized.

SOMA retained NRC Environmental Services to remove all residual amounts of hazardous substances, perform all appropriate UST decontamination, transport and dispose of all hazardous substances and rinsate, and properly fill the USTs. A valid State Contractor's License, a valid Hazardous Substance Removal Certificate, and Workman's Compensation Insurance for the above contractor are attached in Appendix A.

Prior to start of any fieldwork, the area was coned off for safety by Traffic Management, an independent traffic control company, per the approved traffic control plan attached in Appendix A. Continuously during the operation hours,

people dedicated to traffic control assisted in pedestrian crossing and ensured smooth UST closure operations with regard to traffic congestion. Inspections per the various permits took place throughout the course of decommissioning activities.

Under SOMA's oversight, on November 17-19, 2008, all product/waste was removed from the USTs using an explosion-proof pump that was properly grounded and bonded. The lower explosive limit (LEL) in the USTs and vent pipes was continuously monitored with a combustible gas detection meter throughout decommissioning procedures and was at zero percent at all times. The USTs were triple rinsed with clean water pumped under pressure into each to remove remaining sludge and/or scale from the interior. Removed product, waste, and rinsate generated from the triple rinsing process was handled in accordance with all applicable California hazardous waste disposal laws (disposed of at an authorized facility under proper manifest procedures by a transporter licensed in the State of California). During tank rinsing, SOMA observed a floating product layer with a distinctive petroleum hydrocarbon (PHC) odor in the liquid purged from the Tank 1. The purge liquid and rinsate from Tanks 2 and 3 were clear and did not exhibit any PHC odor. SOMA obtained a 90-day temporary EPA ID number CAC002636795) for waste disposal associated with the UST closure in-place. 6,680 gallons of non-hazardous liquid was disposed at Evergreen Oil, Inc in Newark, California (manifest numbers 38830-01 and 38830-02, and 3,022 gallons of hazardous liquid were disposed at Crosby & Overton, Inc in Long Beach, California (manifest number 004242708 JJK). Waste manifests are attached in Appendix D.

Once triple rinsed and prior to filling with slurry, USTs were inspected by SOMA to ensure that all three were free of any rinsate liquid. Following inspection, all associated piping and UST cavities were filled with a slurry cement mixture (3 sack); the USTs were filled to the top of associated stand pipes. During backfill of Tank 1, some slurry was observed seeping through cracks in the sidewalk. The backfill operation was stopped, and the UST was judged filled to capacity. During UST closure activities, SOMA ensured that no material or liquids associated with field work had entered city streets or storm drains.

SOMA's staff and OFD oversaw all field work activities; photographs taken during decommissioning activities are cataloged in Appendix E. Based on amounts of rinsate and slurry used during decommissioning activities, volumes for Tanks 1 through 3 are estimated at 2,500 gallons, 200 gallons, and 4,000 gallons, respectively. Upon completion of all decommissioning activities, the site was cleaned up and the work area pressure washed to remove any slurry residue from the sidewalk area.

3.3 Confirmation Sampling Around USTs

SOMA performed confirmation soil and groundwater sampling activities in accordance with OFD approval of the workplan. To verify integrity of the decommissioned USTs, as well as to ensure that leaks have not occurred, on November 20-21, 2008, SOMA's field geologist oversaw advancement of soil borings around each decommissioned UST by Fisch Drilling. Also on November 20, 2008, Cruz Brothers Locators, Inc. was on-site to assist in relocating some borings based on findings of USA clearance. A concrete coring company, Del Secco, cored the concrete sidewalk at each soil boring location; due to underground utility lines, per advanced soil borings, several locations were cored to allow for several drilling attempts. Once cored, each boring location was hand augered to 5 feet bgs in order to clear the hole of any utilities (the hand auger at Tank 1 advanced to 10 feet bgs to clear the top of the tank).

SOMA advanced seven vertical borings to 10-27 feet bgs, depending on the depth of each UST utilizing direct push technology (DPT). The objective was to advance a soil boring at each end of each tank as well as one boring as close to the midpoint of each tank where allowed by underground utility lines. Figure 2 shows locations of advanced borings. DPT technology is an efficient method of collecting continuous soil cores while preventing cross-contamination. DPT involves hydraulically hammering a set of steel rods into the subsurface with the lead section consisting of a polyethylene-lined sampler. After pushing the drilling rods to the desired depth, the soil-filled liner is retrieved. SOMA's field geologist logged continuous soil cores from each boring location, characterizing the content of each soil-filled tube using the Unified Soil Classification System (USCS). Encountered subsurface lithologies were recorded on geologic borehole logs. Contents of each sediment-filled tube were screened using a photo-ionization detector (PID) at each screened depth and results were noted on respective boring logs.

The following describes the detailed drilling activities around each of the decommissioned USTs.

Tank 1:

Originally, four soil borings were proposed around Tank 1 (TB1-1, TB1-2, TB1-3, and TB1-4). Fisch Drilling hand augered TB1-1 and TB1-3 to a depth of 10 feet; they were unable to clear TB1-2 and TB1-4. TB1-2 and TB1-4 were both cored a second time, and TB1-4 was cleared to 10 feet, while at TB1-2 an obstruction prevented boring advancement. Two more locations were selected for TB1-2 (four total); however, at each location obstruction was encountered. Upon approval from Mr. Matthews with OFD, advancement of TB1-2 was abandoned. TB1-1, TB1-3 and TB1-4 were all advanced to 27 feet bgs. Soil sampling and PID screening were conducted at 2-foot intervals. Soil samples with a high PID reading as well as a sample from 2 feet beneath the USTs (at 27 ft) were delivered to a California state-certified laboratory.

Tank 2:

Originally, three soil borings were proposed around Tank 2 (TB2-1, TB2-2, and TB2-3). Fisch Drilling hand augured TB2-1 and TB2-2 to a depth of 5 feet; they were unable to clear TB1-3. TB1-3 was located immediately outside of a “no drill” area marked by PG&E, and a couple of feet away from the side of Tank 2. It was also very close to a boring marked for Tank 3. Upon approval from Mr. Matthews with OFD, the advancement of TB1-3 was abandoned. TB2-1 and TB2-2 were both advanced to 10 feet bgs. Soil sampling and PID readings were collected at intervals of 2 feet. Soil samples with a high PID reading as well as a sample from 2 feet beneath the USTs (at 10 ft) were delivered to a California state-certified laboratory.

Tank 3:

Originally, three soil borings were proposed around Tank 3 (TB3-1, TB3-2, and TB3-3). Fisch Drilling was unable to clear any of the original locations with the hand auger. Four locations were cored for TB3-3, none of which could be cleared to 5 feet bgs. With approval from OFD, SOMA’s field geologist moved TB3-1 to the north side of the tank, toward the building, moved TB3-2 toward the building as well, and abandoned advancement of TB3-3 altogether. TB3-1 and TB3-2 were both recorded at new locations and cleared to 5 feet bgs with hang auger; both were drilled to 17 feet bgs. Soil samples and PID readings were collected at intervals of 2 feet. Soil samples with a high PID reading as well as a sample from 2 feet beneath the USTs (at 17 ft) were delivered to a California state-certified laboratory.

Based on advanced soil borings, the site is underlaid with unconfined sediments consisting primarily of sand up to approximately 8 to 12 feet bgs (possibly fill material) and inorganic clays with sand to approximately 17 feet bgs around Tank 1, inorganic clays with sand to the total depth of the borings around Tank 2, and interbedded sand, clay, silt layers with gravel up to the total depth of the borings around Tank 3. Depth to water around Tank 1 was noted at approximately 12 feet bgs, Tank 2 at approximately 7 feet bgs, and Tank 3 at 7 feet bgs. Because the first 10 feet around Tank 1 were hand augered, no determination regarding presence of shallow groundwater was made. Boring logs are cataloged in Appendix C.

Soil samples were collected at depths where PID readings or visual observations indicated significant soil contamination. In addition, one soil sample was collected from the vadose zone at the soil-groundwater interface. At each interval of depth-discrete soil sampling, the DPT drilling rig obtained a 4-foot soil core sample. SOMA’s field geologist cut sections of the soil-filled tubes into 6-inch-long sections and capped each end with a Teflon liner and polyethylene end caps. Absent detectable contaminants of concern (COC) in soil during field screening, a minimum of two soil samples was collected from each soil boring, targeting potential locations of a fuel leak, soils in proximity to the depth of

product lines and/or USTs. Tables 1 and 2 show sampling depths for all collected samples.

Collected samples were labeled and immediately placed into a chilled ice chest pending transportation to TestAmerica, a California state-certified environmental laboratory, for analysis.

3.3.1 Soil Sample Collection and Screening

Soil samples were collected continuously from each boring by advancing a 1-inch-diameter direct-push sampler lined with 4-foot-long clear sleeves into the undisturbed soil profile at the base of the boring. A handsaw was used to cut the plastic liner into 1-foot sections for laboratory submittal.

Soil samples were examined for visible signs of PHCs, odors, and soil composition, and screened for presence of PHC vapors using a PID. Each soil core was screened for PHCs using a calibrated PID. Screening with a PID was conducted by removing soil from the polybutyrate sleeve and placing the soil in a freezer-grade, resealable plastic bag, and placing the bag in sunlight for a minimum of 5 minutes to allow fuel hydrocarbons in the soil to volatilize. The bag was opened to allow the PID probe to be inserted to detect volatilized fuel hydrocarbon concentrations in parts per million (ppm) in vapor.

3.3.2 Groundwater Collection and Analyses

Groundwater samples were collected from each advanced soil boring. Prior to initial collection and between borings, the stainless steel bailer used to collect groundwater samples was field decontaminated, and new, unused polyethylene tubing and check valves were utilized, to avoid cross-contaminating groundwater samples.

Each collected groundwater sample was transferred to appropriate vials with Teflon septa with no headspace. They were then labeled, logged on a chain-of-custody form, placed in an ice-filled cooler, and kept at 4°C pending transport to TestAmerica for analysis.

Soil and wastewater generated during boring activities was temporarily stored on-site in separate DOT-rated 55-gallon steel drums pending characterization, profiling, and transportation to an approved disposal-recycling facility.

3.3.3 Direct-Push Boring Abandonment

Each advanced DPT boring was decommissioned according to Cal/EPA guidelines with a neat-cement grout mixture and completed at the surface with rapid-set cement grout and asphalt at the top to match existing grade. To prevent bridging and help ensure a good seal, grout was kept under pressure during

emplacement. This was achieved by use of a tremie pipe to feed grout into the bottom of the hole. At all times, the opening of the tremie pipe was submerged several feet below the level of grout in the hole; the amount of submergence was dependent on the amount of pressure needed to ensure adequate penetration of grout into the formation. As required by the well (drilling) permit, well completion reports were prepared and filed with the appropriate regulatory agencies.

3.3.4 Drilling Waste Disposal

On December 5, 2008, four 55-gallon drums of non-hazardous liquid and solid (soil cuttings) waste were transported from the site to a licensed disposal facility (waste manifest No: 39013-07 contained in Appendix D).

4. SOIL AND GROUNDWATER LABORATORY ANALYSIS

The following sections describe results of confirmation soil and groundwater sampling conducted as part of the UST decommissioning. Collected soil and groundwater samples were analyzed for the following COCs:

- TPH as gasoline, diesel, and Stoddard solvent (TPH-g, TPH-d, and TPH-ss), EPA Method 8015
- Kerosene, EPA Method 8015
- Benzene, toluene, ethyl benzene, and total xylenes, collectively known as BTEX, EPA Method 8260
- Volatile organic compounds (VOCs) such as tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, naphthalene, 1,2-dichloroethane (1,2-DCA), dichloroethene (DCE), and gasoline oxygenates such as methyl tertiary-butyl ether (MtBE) and tertiary-butyl alcohol (TBA), EPA Method 8260
- Total lead, EPA Method 6010

The following describes the extent of residual soil and groundwater impact around the decommissioned USTs.

4.1.1 Extent of Soil Contamination

Elevated PID levels and hydrocarbon staining were observed in TB1-1, TB1-3, TB2-1, TB3-1, and TB3-2. Soil samples with elevated PID levels and hydrocarbon staining as well as samples from the bottom of each UST were analyzed for the aforementioned COCs.

As Table 3 indicates, CRWQCB Environmental Screening Level (ESL) is 83 mg/kg for TPH-g, TPH-d, TPH-ss and kerosene for residential land use scenario. TPH-g was detected above ESL in TB1-3 at 14 feet bgs (1,200 mg/kg), TB2-1 at

6 and 10 feet bgs (750 and 120 mg/kg), TB2-2 at 10 feet bgs (120 mg/kg), TB3-1 at 14 feet bgs (3,800 mg/kg) and TB3-2 at 14 and 17 feet bgs (3,200 and 210 mg/kg). TPH-d was detected above ESL at TB1-1 at 18 feet bgs (110 mg/kg). TPH-ss and kerosene were observed above ESL in TB1-1 at 18 feet bgs (170 and 150 mg/kg), TB1-3 at 14 feet bgs (120 and 110 mg/kg), TB2-2 at 10 feet bgs (150 and 130 mg/kg) and in TB3-1 at 14 feet bgs (130 and 120 mg/kg).

Table 4 indicates that all BTEX and other VOCs were below laboratory-detection limits and well below ESLs at all depths. Tables 1 and 2 also show the shallow and deep soil ESLs for all groundwater analytes. Figures 3 through 8 show COC contamination in soil at different depths.

Residual soil contamination appears to be present between 6 and 8 feet bgs between Tank 1 and 2; at approximately 12 feet bgs northeast of Tank 3, between Tank 3 and Tank 2; and at approximately 14 feet bgs north and northeast of Tank 3. The soil laboratory analytical report is included in Appendix F.

4.1.2 Extent of Groundwater Contamination

Groundwater samples from each boring showed contaminants above CRWQCB ESLs for groundwater that is a current or potential source of drinking water, as well as a non-drinking-water source. ESLs for TPH-g, TPH-d, TPH-ss, and kerosene in drinking and non-drinking water are 100 µg/L and 210 µg/L, respectively. As Table 3 shows, TPH-g ranged from 890 µg/L to 29,000 µg/L, TPH-d ranged from 230 µg/L to 330,000 µg/L, TPH-ss ranged from 140 µg/L to 560,000 µg/L, and kerosene ranged from 170 µg/L to 560,000 µg/L. All samples except those from TB3-2 showed contaminants above non-drinking-water ESLs. Benzene was detected above the drinking-water ESL in TB3-1 (22 µg/L, ESL 1 µg/L) and total xylenes were detected above drinking and non-drinking-water ESLs in TB1-3 (1,700 µg/L, drinking-water ESL is 20 µg/L). BTEX was below ESLs or laboratory-detection limits in remaining samples. Table 4 shows that VOCs were detected above drinking-water ESLs in TB1-3 (TBA at 28 µg/L, ESL 12 µg/L), TB1-4 (1,2-DCA at 3.6 µg/L, ESL 0.5 µg/L), TB2-1 and TB3-1 (naphthalene at 98 and 19 µg/L, respectively, ESL 17 µg/L). All other VOCs were below ESLs or below laboratory-detection limits. Tables 3 and 4 also show drinking and non-drinking water ESLs for all groundwater analytes. Figures 9 through 12 show the PHC contamination in groundwater.

Groundwater samples indicate that hydrocarbon contamination in groundwater is located in the vicinity of the decommissioned USTs, between Tank 1 and Tank 2. The groundwater laboratory analytical report is included in Appendix F.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

Conclusions based on findings of the UST decommissioning event are summarized as follows:

1. Three USTs located under the sidewalk in front of 316 38th Street were properly closed. All residual amounts of the hazardous substances which were stored in the UST system prior to closure have been removed, properly disposed of, and neutralized; USTs and associated piping were filled with appropriate slurry mixture. Therefore, it was concluded that the contaminant source has been removed from the site and properly disposed of.
2. Based on observed recharge of 0.04 gpm into Tank 1 upon purging, it was determined that a small leak possibly existed in this UST at the time of closure. No purging or leak testing was conducted at Tanks 2 and 3 due to their apparent placement above the presumed water table.
3. To verify integrity of the decommissioned USTs, confirmation soil and groundwater sampling was conducted in accordance with OFD approval of SOMA's workplan.
4. Residual soil contamination appears to be present between 6 and 8 feet bgs between Tanks 1 and 2; at approximately 12 feet bgs northeast of Tank 3, between Tank 3 and Tank 2; and at approximately 14 feet bgs north and northeast of Tank 3.
5. Groundwater samples indicate that the hydrocarbon contamination plume in groundwater is located in the vicinity of the decommissioned USTs and is more considerable between Tanks 1 and 2.

5.2 Recommendations

Based on results of the UST decommissioning event and confirmation soil and groundwater sampling, SOMA recommends further delineation of contamination in groundwater downgradient the decommissioned USTs. A workplan for this work from can be prepared upon request.

Tables

Table 1: Soil Analytical Results (TPH and BTEX)
November 20 and 21, 2008
316 38th Street, Oakland

Borehole	Depth ¹ (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-ss (mg/kg)	Kerosene (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
TB1-1	10	3.1	3.3	4.5	6	<0.023	<0.023	<0.023	<0.047
TB1-1	12	850	260	340	340	<2.4	<2.4	<2.4	<4.9
TB1-1	18	0.91	110	170	150	<0.005	<0.005	<0.005	<0.0099
TB1-1	27	<0.23	<0.99	<0.99	<0.99	<0.005	<0.005	<0.005	<0.01
TB1-3	10	7.3	12	21	22	NA	NA	NA	NA
TB1-3	12	300	35	58	53	<0.97	<0.97	<0.97	<1.9
TB1-3	14	1,600	66	120	110	<0.022	<0.022	<0.022	<0.043
TB1-3	27	<0.23	1.0	<0.99	2.8	<0.005	<0.005	<0.005	<0.01
TB1-4	24	<0.24	<1.0	1.8	3.7	<0.0047	<0.0047	<0.0047	<0.0095
TB1-4	27	2.0	<1.0	2.2	4.0	<0.005	<0.005	<0.005	<0.01
TB2-1	6	750	18	39	35	<0.005	<0.005	<0.005	<0.0099
TB2-1	10	120	1.8	1.7	3.6	<0.0049	<0.0049	<0.0049	<0.0099
TB2-2	6	250	15	28	27	<0.96	<0.96	<0.96	<1.9
TB2-2	8	3,900	630	950	950	<2.5	<2.5	<2.5	<4.9
TB2-2	10	140	79	150	130	<0.012	<0.012	<0.012	<0.024
TB3-1	6	<0.25	2.5	1.1	1.4	<0.005	<0.005	<0.005	<0.01
TB3-1	8	220	4.4	4	7.4	<1.9	<1.9	<1.9	<3.9
TB3-1	14	3,800	81	130	120	<0.024	<0.024	0.036	<0.048
TB3-1	17	<0.24	<1.0	1.4	3.3	<0.005	<0.005	<0.005	<0.01
TB3-2	6	<0.25	31	2.5	5	<0.005	<0.005	<0.005	<0.0099
TB3-2	12	2,100	12	15	17	<4.9	<4.9	<4.9	<9.7
TB3-2	14	3,200	5.5	5.5	7.9	<0.0049	<0.0049	<0.0049	<0.0099
TB3-2	14	4,100	NA	NA	NA	<0.0048	<0.0048	<0.0048	<0.0096
TB3-2	17	210	3.7	5.6	7.0	<0.0049	<0.0049	0.024	0.022
ESL - Shallow Soil <3m bgs		83	83	83	83	0.044	2.9	2.3	2.3
ESL - Deep Soil >3m bgs		83	83	83	83	0.044	2.9	3.3	2.3

Notes:

TPH-g: Total Petroleum Hydrocarbons as Gasoline (C5-C12)

TPH-d: Total Petroleum Hydrocarbons as Diesel (C9-C19)

TPH-ss: Total Petroleum Hydrocarbons as Stoddard Solvents (C9-C13)

TPH by EPA Method 8015, BTEX by EPA Method 8260B/CA_LUFTMS

ESL: California Regional Water Control Board Environmental Screening levels, Interim Final November 2007, Revised May 2008, Tables A and C

Table 2: Soil Analytical Results (VOC compounds)
November 20 and 21, 2008
316 38th Street, Oakland

Borehole	Depth¹ (feet bgs)	PCE (mg/kg)	TCE (mg/kg)	Vinyl Chloride (mg/kg)	TBA (mg/kg)	MtBE (mg/kg)	1,2-DCA (mg/kg)	Cis-1,2 DCE (mg/kg)	Napthalene (mg/kg)
TB1-1	12	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
TB1-1	18	<0.005	<0.005	<0.005	<0.0095	<0.0049	<0.005	<0.005	<0.0099
TB1-1	27	<0.005	<0.005	<0.005	<0.0094	<0.0047	<0.005	<0.005	<0.01
TB1-3	12	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
TB1-3	14	<0.022	<0.022	<0.022	<1.9	<0.97	<0.97	<0.022	<0.043
TB1-3	27	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01
TB1-4	24	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
TB1-4	27	<0.005	<0.005	<0.005	<0.0095	<0.0047	<0.0047	<0.005	<0.01
TB2-1	6	<0.005	<0.005	<0.005	<1.9	<0.96	<0.96	<0.005	<0.0099
TB2-1	10	<0.0049	<0.0049	<0.0049	<1.9	<0.94	<0.94	<0.0049	<0.0099
TB2-2	6	<0.0049	<0.0049	<0.0049	NA	NA	NA	NA	NA
TB2-2	10	<0.012	<0.012	<0.012	<2.0	<0.98	<0.98	<0.012	<0.024
TB3-1	6	<0.0049	<0.0049	<0.0049	NA	NA	NA	NA	NA
TB3-1	14	<0.024	<0.024	<0.024	<5.0	<2.5	<2.5	<0.024	0.480
TB3-1	17	<0.005	<0.005	<0.005	<0.0096	<0.0048	<0.0048	<0.005	<0.01
TB3-2	6	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
TB3-2	14	<0.0049	<0.0049	<0.0049	<1.9	<0.96	<0.96	<0.0049	<0.0099
TB3-2	14	NA	NA	NA	<9.6	<4.8	<4.8	<0.0049	<0.0099
TB3-2	17	<0.0049	<0.0049	<0.0049	<1.9	<0.93	<0.93	<0.0049	0.018
ESL - Shallow Soil <3m bgs		0.37	0.46	0.022	0.075	0.023	0.0045	0.19	1.3
ESL - Deep Soil >3m bgs		0.70	0.46	0.085	0.075	0.023	0.0045	0.19	3.4

Notes:

NA: Not Analyzed

TBA, MtBE, 1,2-DCA by Method 8260B/CA_LUFTMS

PCE, TCE, Vinyl Chloride, Cis-DCE, and Napthalene by EPA Method 8260B

Environmental Screening levels or Laboratory Detection levels

ESL: California Regional Water Control Board Environmental Screening levels, Interim Final November 2007, Revised May 2008, Tables A and C

Table 3: Groundwater Analytical Results (TPH and BTEX)**November 20 and 21, 2008****316 38th Street, Oakland**

Borehole	TPH-g (ug/L)	TPH-d (ug/L)	TPH-ss (ug/L)	Kerosene (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
TB1-1	2,600	7,400	2,700	7,500	<0.5	<0.50	<0.50	<1.0
TB1-3	29,000	8,700	7,900	12,000	0.54	<0.50	<0.50	1,700
TB1-4	1,400	290	520	600	0.75	10	6.50	59
TB2-1	28,000	52,000	110,000	97,000	<5.0	<5.0	9.10	<10
TB2-2	12,000	330,000	560,000	560,000	<5.0	<5.0	<5.0	<10
TB3-1	1,100	700	490	730	22	<0.50	2.10	5.8
TB3-2	890	230	140	170	<0.50	<0.50	0.55	<1.0
ESL - Groundwater is a Current/Potential Source of Drinking Water	100	100	100	100	1	40	30	20

Notes:

TPH-g: Total Petroleum Hydrocarbons as Gasoline (C5-C12)

TPH-d: Total Petroleum Hydrocarbons as Diesel (C9-C19)

TPH-ss: Total Petroleum Hydrocarbons as Stoddard Solvents (C9-C13)

TPH by EPA Method 8015, BTEX by EPA Method 8260B/CA_LUFTMS

ESL: California Regional Water Control Board Environmental Screening levels, Interim Final November 2007, Revised May 2008, Tables F-1a

Table 4: Groundwater Analytical Results (VOC compounds)**November 20 and 21, 2008****316 38th Street, Oakland**

Borehole	PCE (ug/L)	TCE (ug/L)	Vinyl Chloride (ug/L)	TBA (ug/L)	MtBE (ug/L)	1,2-DCA (ug/L)	Cis-1,2 DCE (ug/L)	Napthalene (ug/L)
TB1-1	<0.50	<0.50	<0.50	9.3	<0.50	<0.50	<0.50	<1.0
TB1-3	<0.50	<0.50	<0.50	28	<0.50	<0.50	<0.50	<1.0
TB1-4	1.8	1.1	<0.50	7.3	<0.50	3.6	0.69	<1.0
TB2-1	<0.50	<0.50	<0.50	<50	<5.0	<5.0	0.81	98
TB2-2	<0.50	<0.50	<0.50	<50	<5.0	<5.0	<0.50	1.5
TB3-1	<0.50	<0.50	<0.50	<5.0	1.30	<0.50	1.0	19
TB3-2	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<1.0
ESL - Groundwater is a Current/Potential Source of Drinking Water	5	5	0.5	12	5	0.5	6	17

Notes:

TBA, MtBE, 1,2-DCA by Method 8260B/CA_LUFTMS

PCE, TCE, Vinyl Chloride, Cis-DCE, and Napthalene by EPA Method 8260B

Semi-volatile organic compounds analyzed by EPA Method 8270 were below Laboratory Detection levels

ESL: California Regional Water Control Board Environmental Screening levels, Interim Final November 2007, Revised May 2008, Tables F-1a

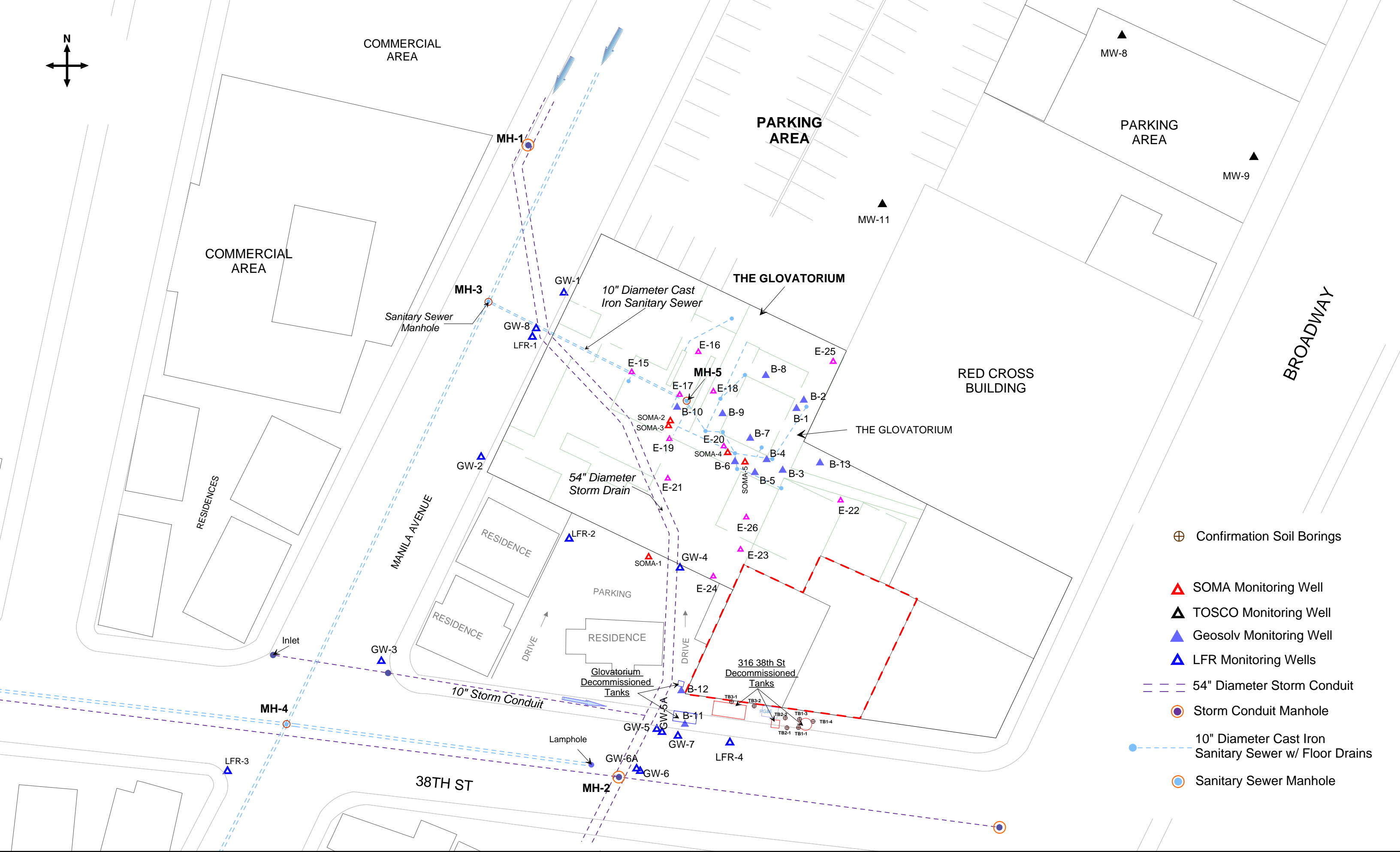
Figures



approximate scale in feet



Figure 1: Site vicinity map.



- ⊕ Confirmation Soil Borings
- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- - - 54" Diameter Storm Conduit
- Storm Conduit Manhole
- 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Sanitary Sewer Manhole

approximate scale in feet

0 40 80

Figure 2: Site Map Showing the Locations of USTs and the Advanced Sampling Boreholes

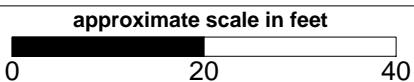
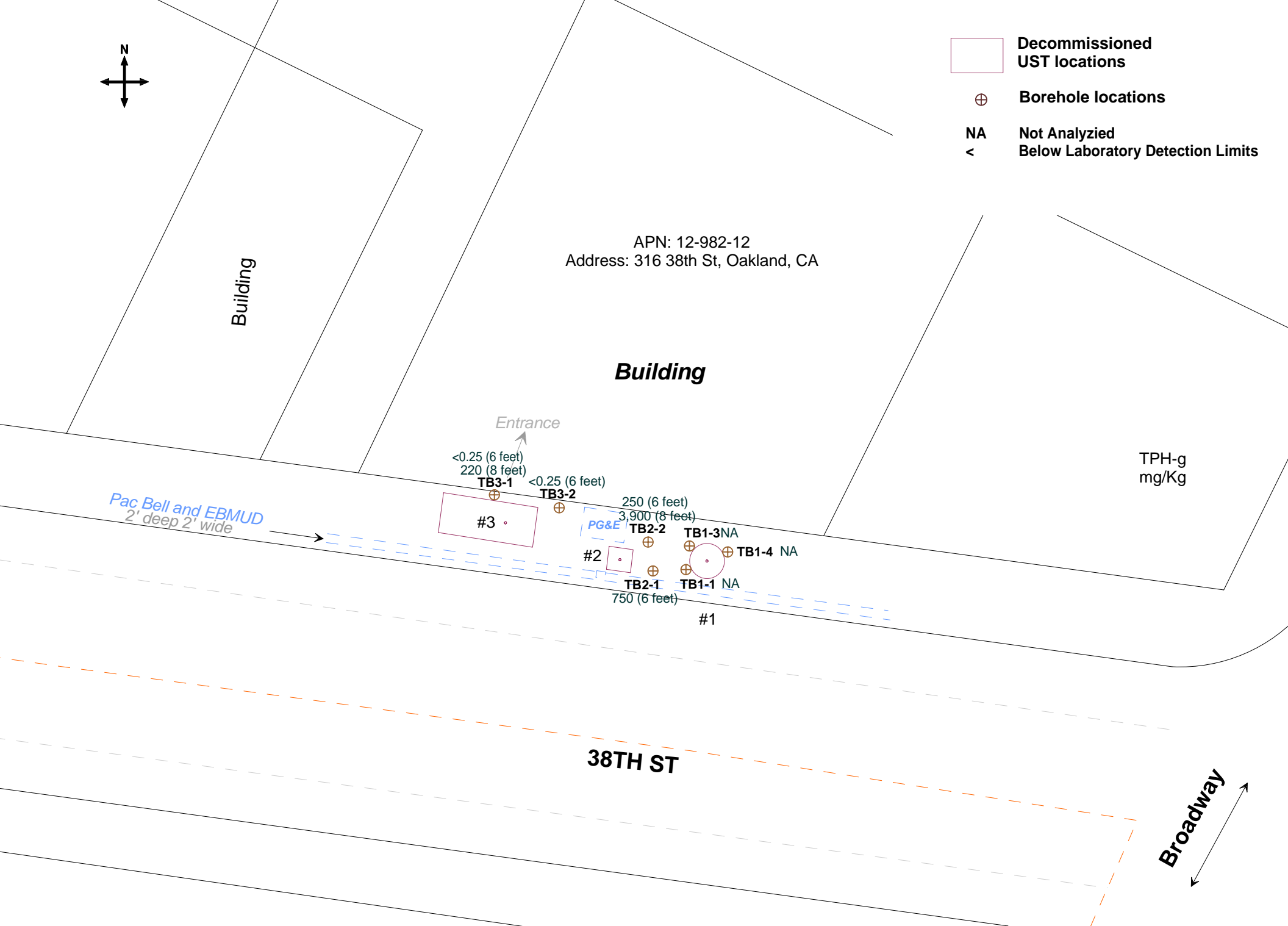


Figure 3: Map of TPH-g Concentration in Soil at 6 to 8 feet bgs

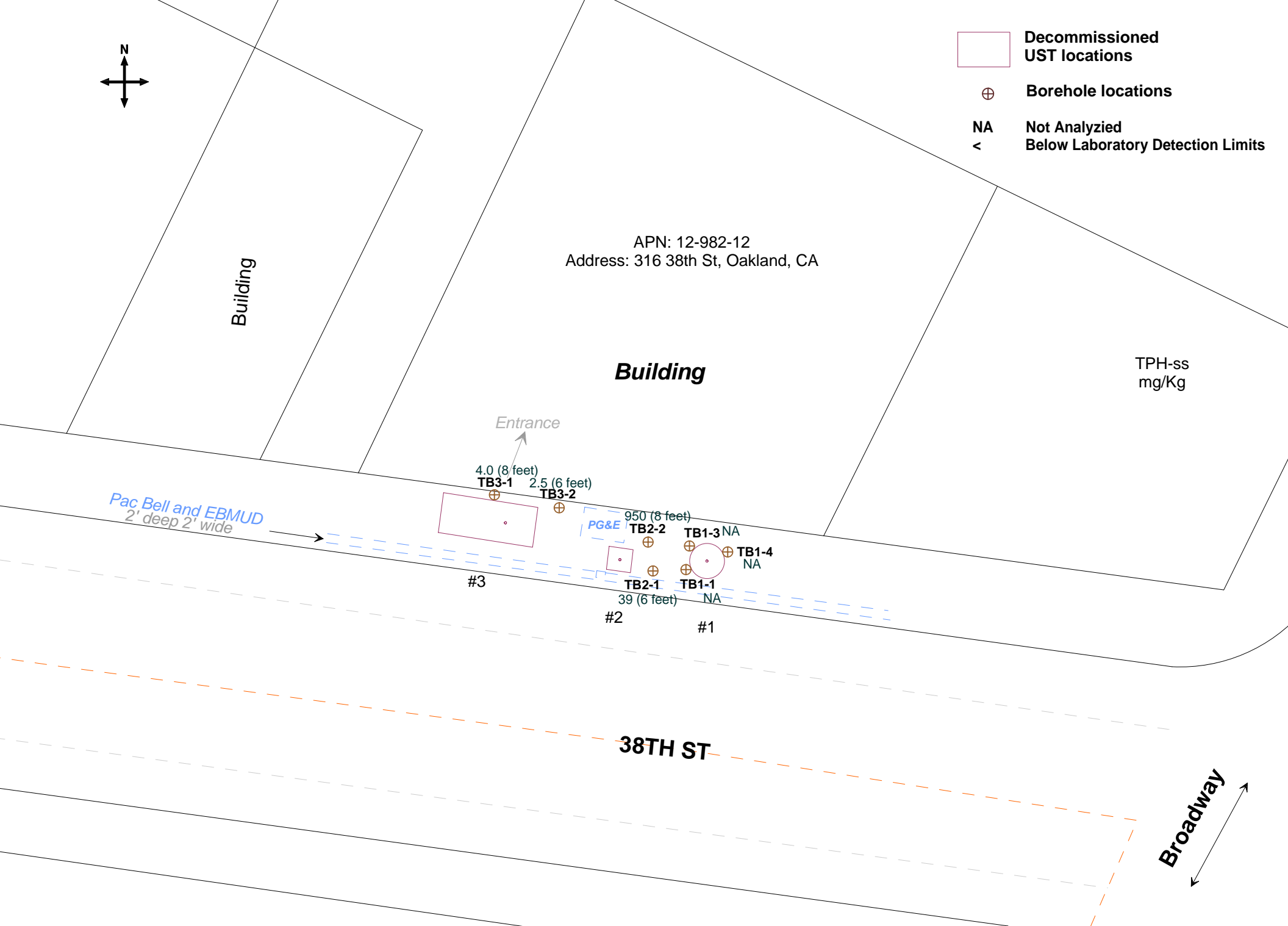


Figure 4: Map of TPH-ss Concentration in Soil at 6 to 8 feet bgs

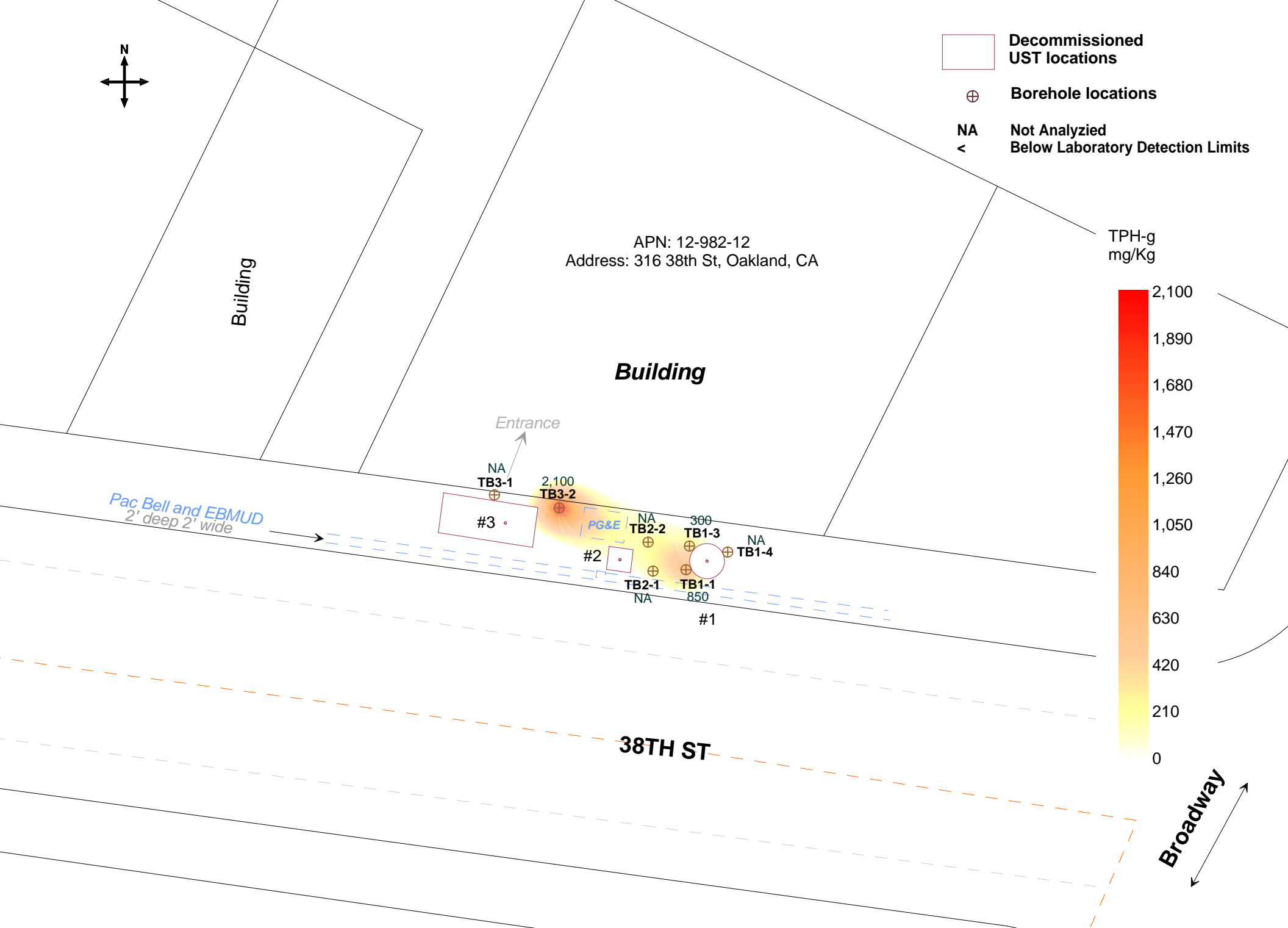
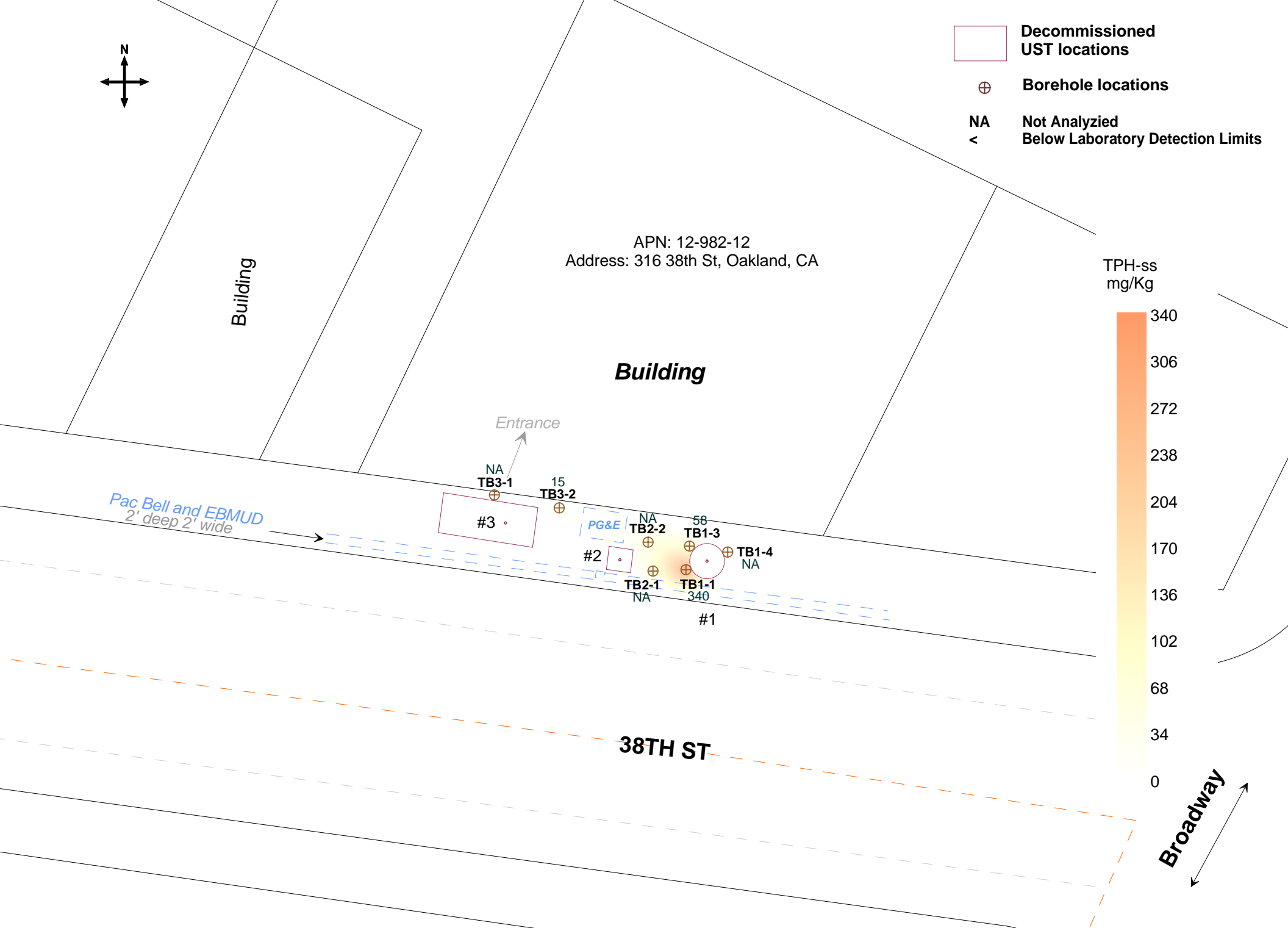


Figure 5: Contour of TPH-g Concentration in Soil at 12 feet bgs



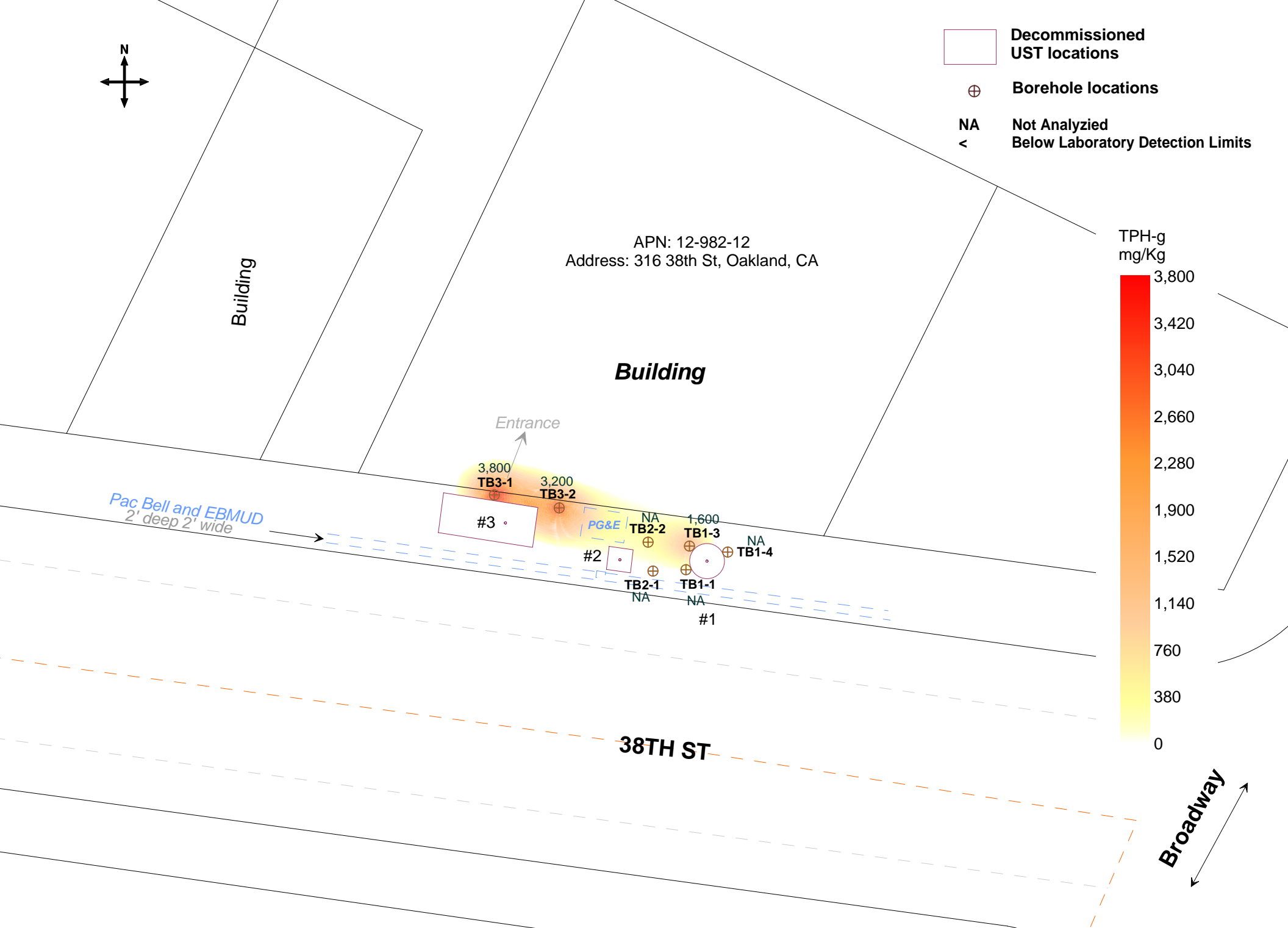


Figure 7: Contour of TPH-g Concentration in Soil at 14 feet bgs

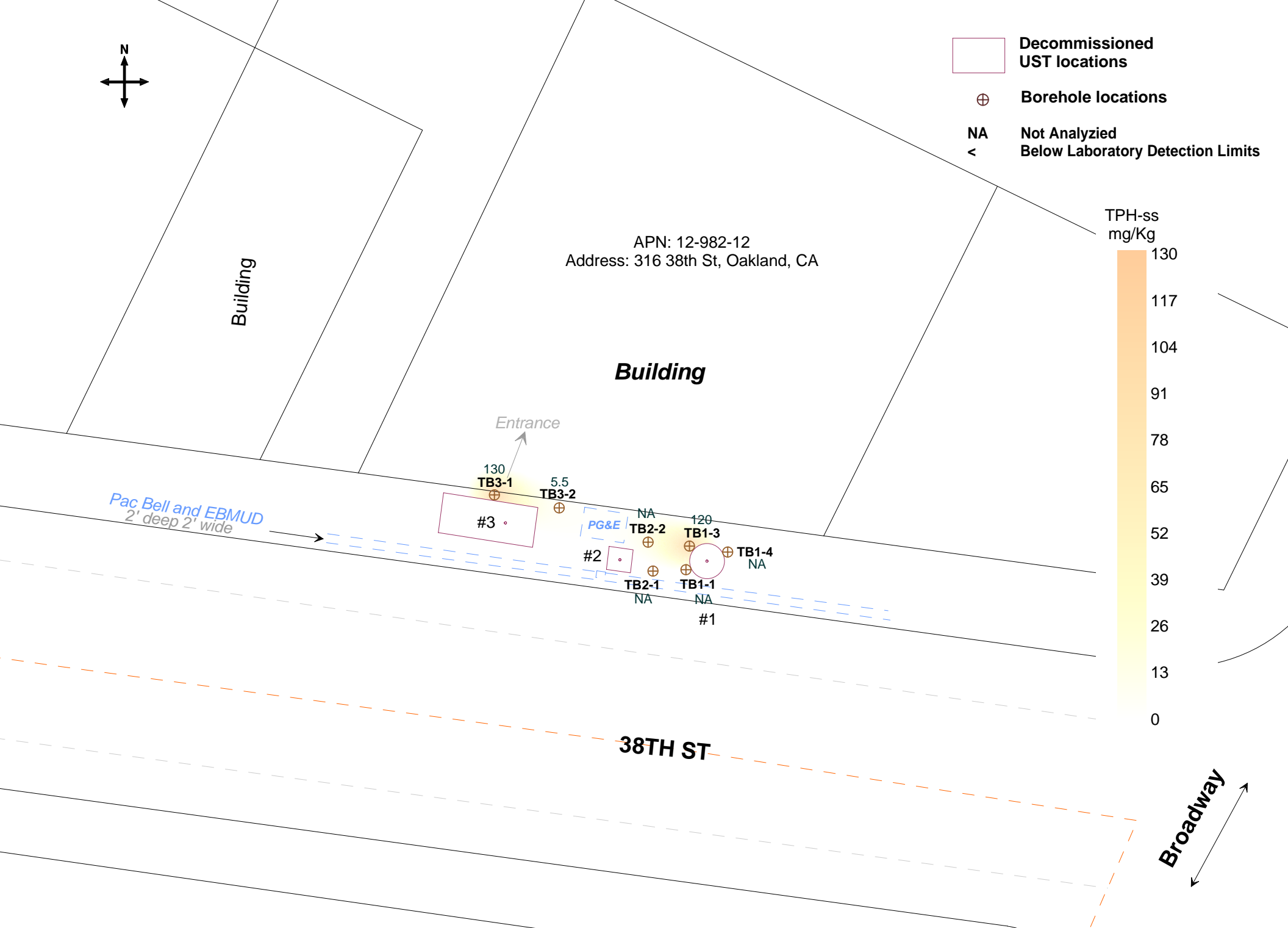


Figure 8: Contour of TPH-ss Concentration in Soil at 14 feet bgs

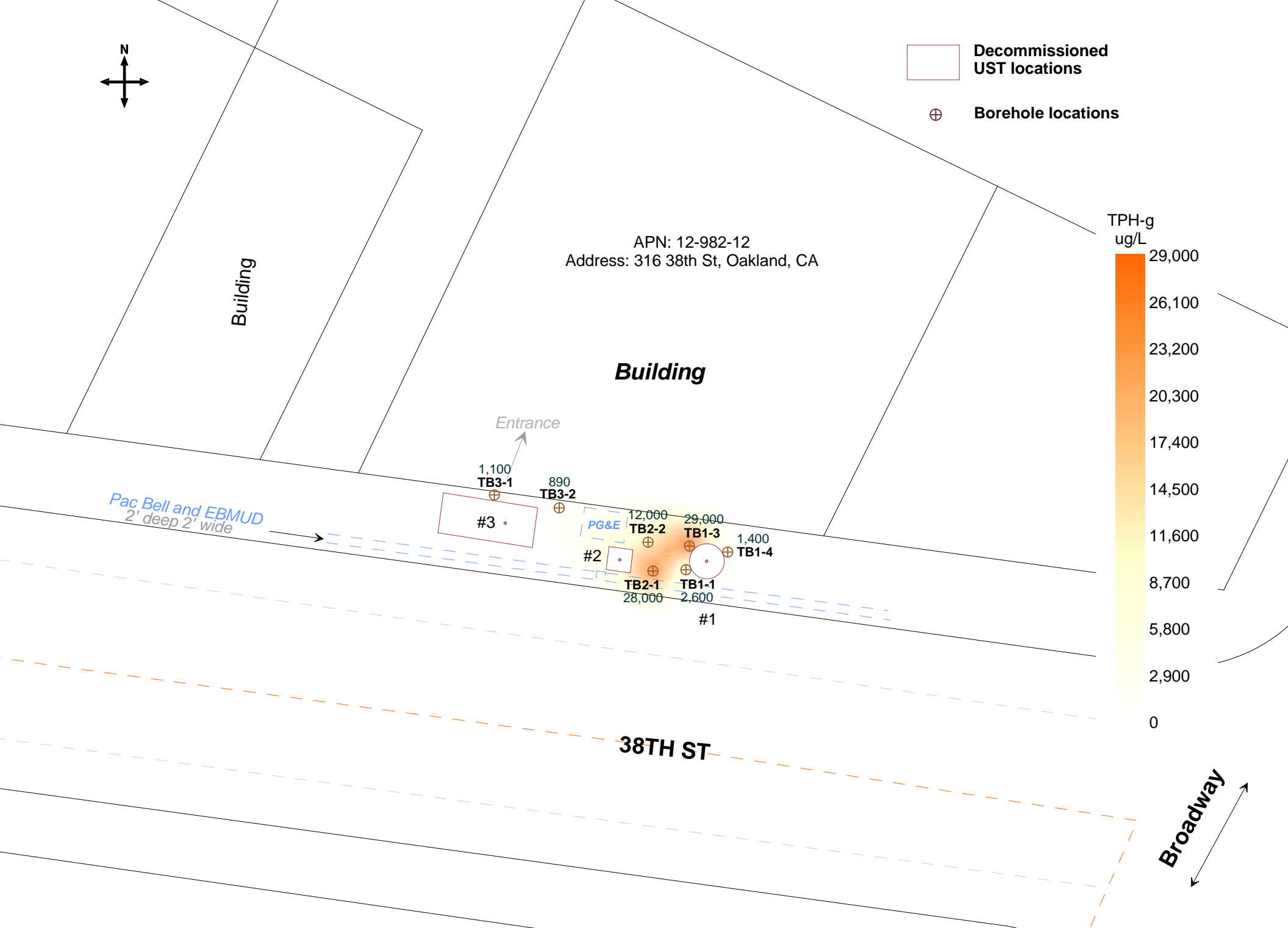


Figure 9: Contour of TPH-g Concentration in Groundwater

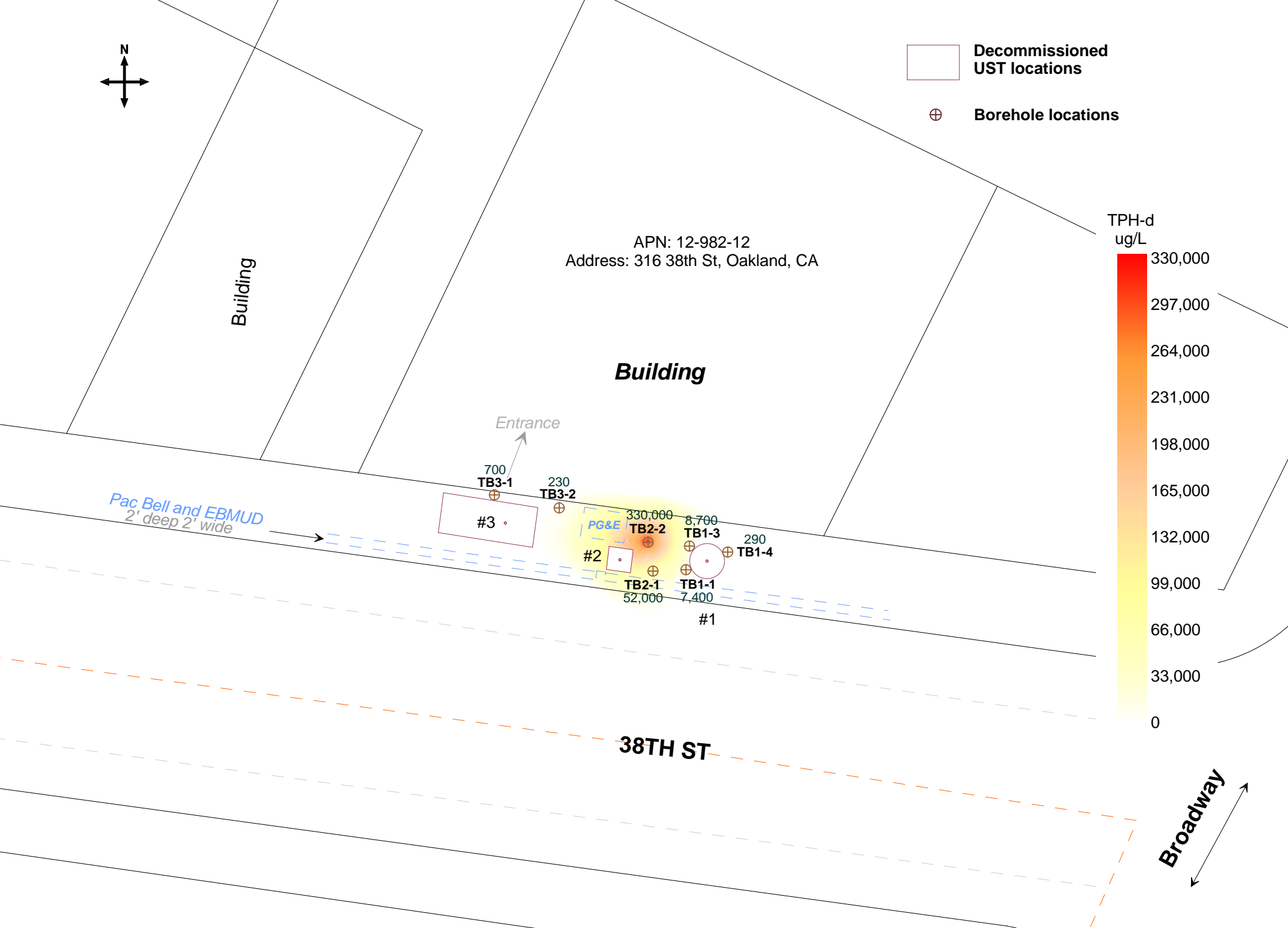


Figure 10: Contour of TPH-d Concentration in Groundwater

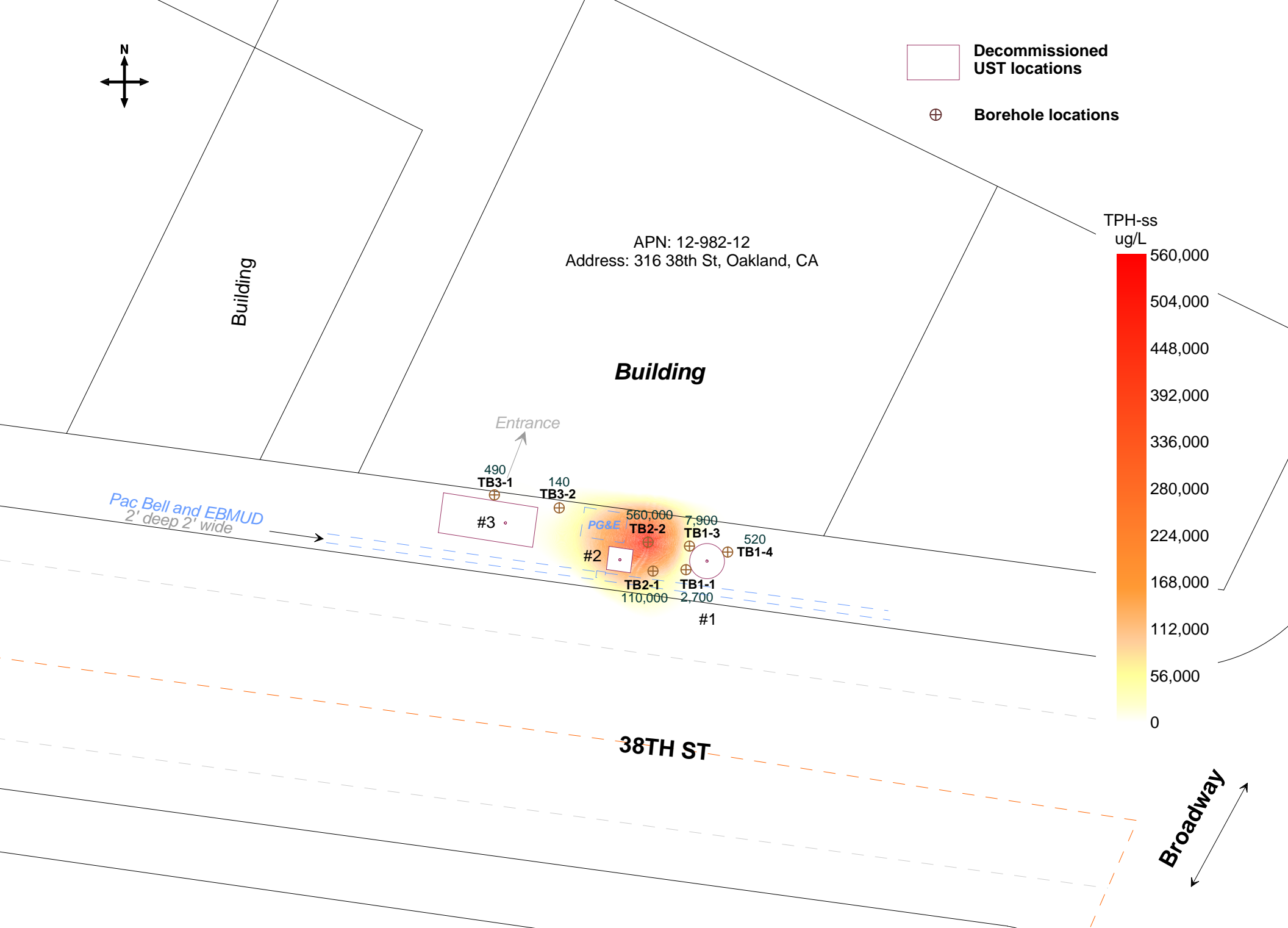


Figure 11: Contour of TPH-ss Concentration in Groundwater

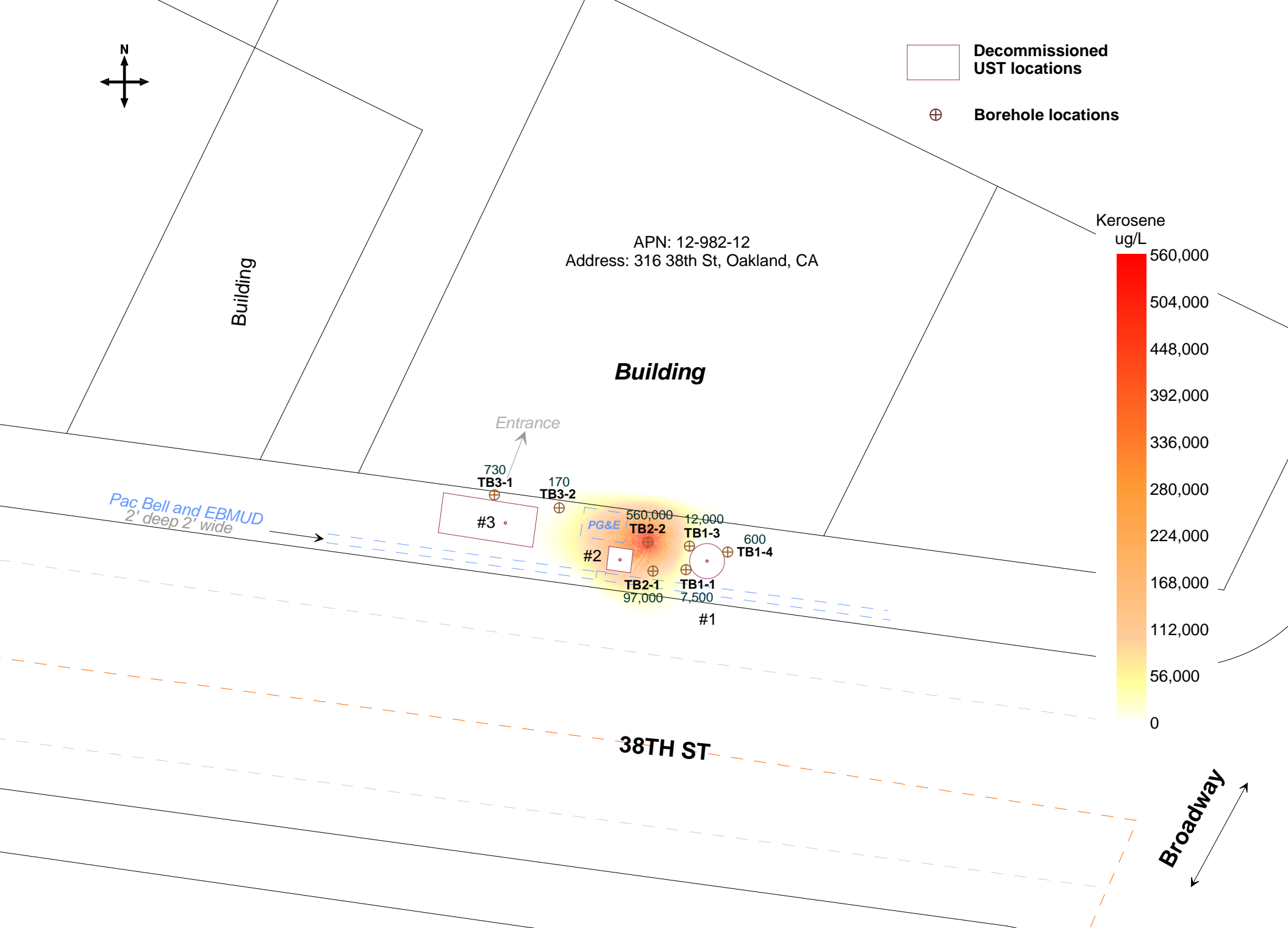


Figure 12: Contour of Kerosene Concentration in Groundwater

Appendix A

Permits and Relevant Licensing Documentation

Elena Manzo

From: wells@acpwa.org
Sent: Tuesday, October 28, 2008 3:45 PM
To: emanzo@somaenv.com
Subject: Alameda County PWA Online Wells Permits Application - Drilling Permit Extension
Attachments: 1190663440044.pdf

Application ID: 1190663440044
Permit Number: W2007-1023

Your drilling permit has been extended as requested. Please contact the assigned inspector to re-schedule the inspection date at least five (5) working days prior to starting and confirm the scheduled date(s) at least 24 hours prior to drilling.

Conditions of Permit:

Please follow and comply with conditions of approval and instructions listed in the general conditions document. In addition, you must comply with all specific conditions listed in your permit. Your assigned inspector is also listed in the specific condition of the approved permit.

Original Project Start Date: 10/31/2007
Original Project End Date: 11/30/2007

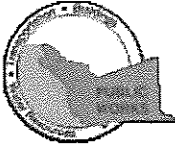
Extension Count : 1
Extension By : vickyh1
Extension Start Date: 11/20/2008
Extension End Date : 11/21/2008

If you need further assistance regarding your permit, please visit our website at: <http://www.acgov.org/pwa/wells/> or contact us at wells@acpwa.org, and include your application id number.

Thank you,
Public Works Agency-Water Resources

10/28/2008

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 09/26/2007 By jamesy

Permit Numbers: W2007-1023
Permits Valid from 11/20/2008 to 11/21/2008

Application Id: 1190663440044
Site Location: 316 38th Street
Oakland, CA
Estate of Earl Thompson, Sr.
Sidewalk in front of the property)

City of Project Site:Oakland

Project Start Date: 10/31/2007
Requested Inspection:
Extension Start Date: 11/20/2008
Extension Count: 1

Completion Date:11/30/2007

Extension End Date: 11/21/2008
Extended By: vickyh1

Applicant: SOMA Environmental Engineering - Elena Manzo
6620 Owens Drive, Suite A, Pleasanton, CA 94588
Property Owner: Earl Thompson
2033 N Main Street, Suite 800, Walnut Creek, CA 94596
Client: ** same as Property Owner **

Phone: 925-734-6400

Phone: --

Receipt Number: WR2007-0422 Total Due: \$200.00
Total Amount Paid: \$200.00
Payer Name : SOMA Environmental Paid By: VISA PAID IN FULL
Engineering

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 12 Boreholes
Driller: Fisch - Lic #: 683865 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-1023	09/26/2007	01/29/2008	12	2.00 in.	35.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required

Alameda County Public Works Agency - Water Resources Well Permit

for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

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

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

PROGRAMS AND SERVICES

Well Standards Program

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

399 Elmhurst Street

Hayward, CA 94544

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

For Drilling Permit information and process contact James Yoo at

Phone: 510-670-6633

FAX: 510-782-1939

Email: Jamesy@acpwa.org

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

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

Location: Agency with Jurisdiction Contact Number

Berkeley City of Berkeley Ph: 510-981-7460

Fax: 510-540-5672

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

Fax: 510-651-1760

Pleasanton, Dublin, Livermore, Sunol Zone 7 Water Agency Ph: 925-454-5000

Fax: 510-454-5728

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

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

Fees

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

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

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

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

Permit Fees are exempt to State & Federal Projects

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

Scheduling Work/Inspections:

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

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

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

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

Request for Permit Extension:

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

Cancel a Drilling Permit:

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

Refunds/Service Charge:

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

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

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

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

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

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

Enforcement

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

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

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

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

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

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

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

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

Appl# X0802268 Job Site 316 38TH ST Parcel# 012 -0982-012-00

Descr Excavation to allow slurry into UG tanks Permit Issued 11/13/08
To allow UST decommissioning in place on 38th Street

Work Type EXCAVATION-PRIVATE P

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

Applcmt Phone# Lic# --License Classes--

Owner THOMPSON EARL W SR

Contractor NRC ENVIRONMENTAL SERVICES COM X (510) 749-1390 716581 A

Arch/Engr

Agent SOMA ENVIRO/E MANZO (925) 734-6400

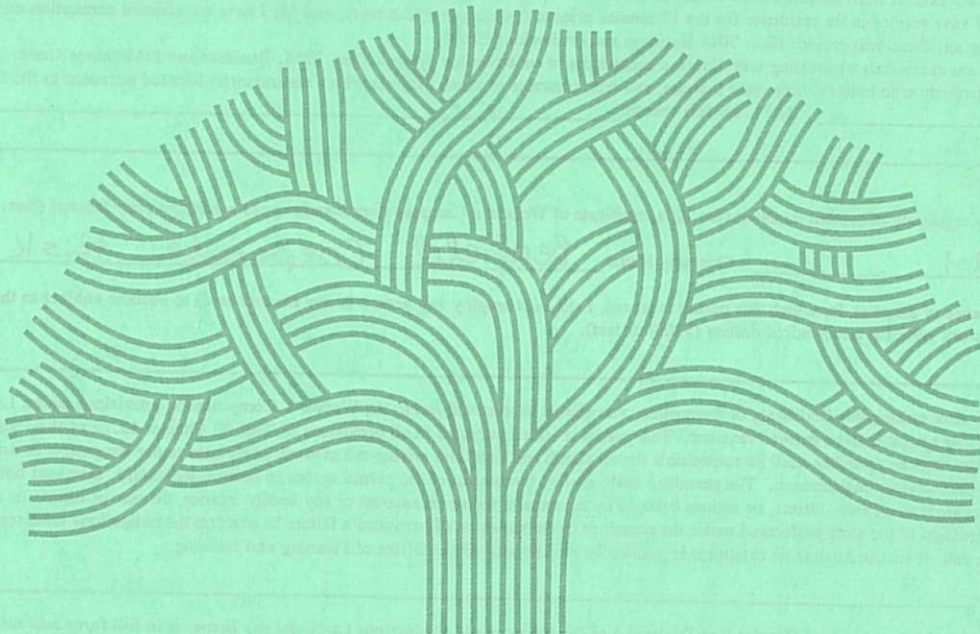
Applic Addr 1605 FERRY PT, ALAMEDA, CA, 94501-759

JOB SITE

\$419.99 TOTAL FEES PAID AT ISSUANCE	
\$66.00 Applic	\$300.00 Permit
\$.00 Process	\$34.77 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$19.22 Tech Enh

ADDRESS:

DIST:



CITY OF OAKLAND

PAID
7/12/11/13/08



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL
ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X 08 02268		SITE ADDRESS/LOCATION * 316 38th Street, Oakland
APPROX. START DATE Nov 17, 2008	APPROX. END DATE Nov 29, 2008	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) 925-734-6400
CONTRACTOR'S LICENSE # AND CLASS A C21B 716581 NBC Env.		CITY BUSINESS TAX # 1558013

ATTENTION:

- 1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____
- 2- 48 hours prior to starting work, you **MUST CALL (510) 238-3651** to schedule an inspection.
- 3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

- ☐ 1, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).
- ☐ 1, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).
- ☐ 1, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).
- ☐ I am exempt under Sec. _____, B&PC for this reason _____

WORKER'S COMPENSATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # **WC 9162024** Company Name **Benfield Corporate Risk**

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee [Signature]		Date 11/13/08	
DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV. 1 - JAN. 1) <input type="checkbox"/> YES <input type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <input type="checkbox"/> YES <input type="checkbox"/> NO
ISSUED BY [Signature]		DATE ISSUED 11/13/08	

CITY OF OAKLAND • Community and Economic Development Agency

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

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

Appl# X0802267 Job Site 316 38TH ST Parcel# 012 -0982-012-00

Descr Soil boring

Permit Issued 11/13/08

To allow UST decommissioning in place on 38th Street

Work Type EXCAVATION-PRIVATE P

USA #

Util Co. Job #

Acctg#:

Util Fund #:

Applcmt

Phone#

Lic# --License Classes--

Owner THOMPSON EARL W SR

Contractor FISCH ENVIRONMENTAL CONSTRUCTI

X

(209) 772-3570 683865 A C57

Arch/Engr

Agent SOMA ENVIRO/E MANZO

(925) 734-6400

Applic Addr 399 SHERIS PLACE, VALLEY SPRINGS, CA, 95252

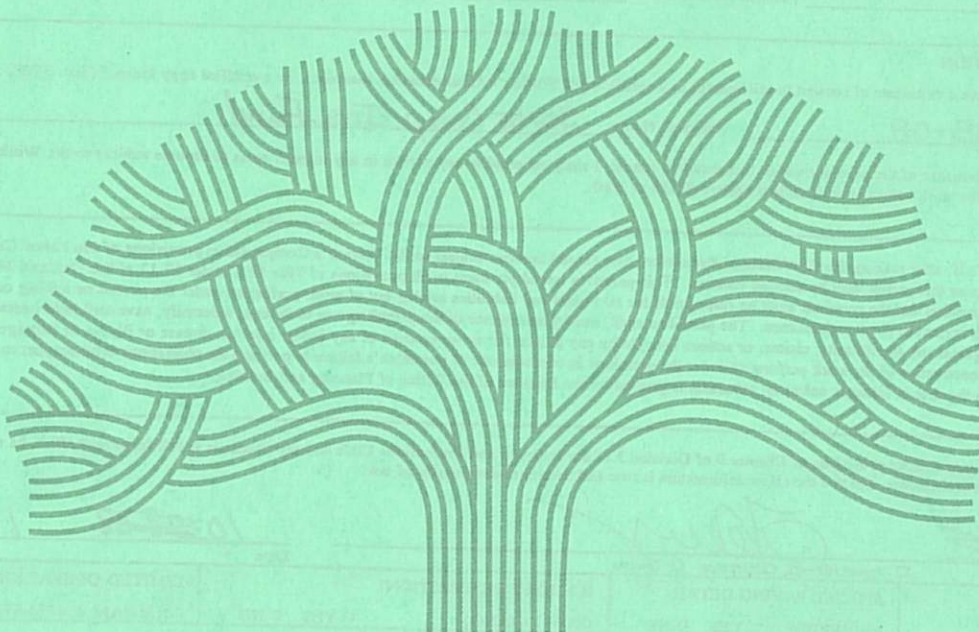
JOB SITE

\$419.99 TOTAL FEES PAID AT ISSUANCE

\$66.00 Applic	\$300.00 Permit
\$.00 Process	\$34.77 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$19.22 Tech Enh

ADDRESS:

DIST:



CITY OF OAKLAND

PAID
541C11/13/08



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL
ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X 08 02267		SITE ADDRESS/LOCATION * 316 38th Street, Oakland	
APPROX. START DATE Nov 20, 2008	APPROX. END DATE Nov 21, 2008	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) 925-734-6400	
CONTRACTOR'S LICENSE # AND CLASS C-57 683865 Fish Drilling		CITY BUSINESS TAX # 3148602	
<p>ATTENTION:</p> <ol style="list-style-type: none"> State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____ 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection. 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill). 			
<p>OWNER/BUILDER</p> <p>I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):</p> <p><input type="checkbox"/> I, as an owner of the property, or my employee with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).</p> <p><input type="checkbox"/> I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).</p> <p><input type="checkbox"/> I, as owner of the property, am exclusively contracting with licensed contractors to construct this project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).</p> <p><input type="checkbox"/> I am exempt under Sec. _____, B&P for this reason _____</p>			
<p>WORKER'S COMPENSATION</p> <p><input checked="" type="checkbox"/> I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).</p> <p>Policy # 010825-08 Company Name State Comp Ins. Fund</p> <p><input type="checkbox"/> I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).</p>			
<p>NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.</p>			
<p>I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.</p>			
<p>Signature of Permittee <i>[Signature]</i> <input type="checkbox"/> Agent for <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner</p>		<p>Date 10/28/08 11/13/08</p>	
DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <input type="checkbox"/> YES <input type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <input type="checkbox"/> YES <input type="checkbox"/> NO
ISSUED BY <i>[Signature]</i>		DATE ISSUED <i>[Signature]</i>	

CITY OF OAKLAND • Community and Economic Development Agency
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Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB080936 Job Site 316 38TH ST Parcel# 012 -0982-012-00

Reserve parking per TSD08-0169 one free space REF: X0802267 Permit Issued 11/13/08
Excavation to allow slurry into UG tanks
To allow UST decommissioning in place on 38th Street

Nbr of days: 4
Effective: 11/17/08

Nbr of meters: 3
Expiration: 11/21/08

SHORT TERM METERED
NON CONSECUTIVE DATES

	Applcmt	Phone#	Lic#	--License Classes--
Owner	THOMPSON EARL W SR			
Contractor	NRC ENVIRONMENTAL SERVICES COM	X	(510) 749-1390	716581 A
Arch/Engr				
Agent	SOMA ENVIRO/E MANZO		(925) 734-6400	
Applic Addr	1605 FERRY PT, ALAMEDA, CA, 94501-759			

JOB SITE

\$523.26 TOTAL FEES PAID AT ISSUANCE	
\$66.00 Applic	\$390.00 Permit
\$.00 Process	\$43.32 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$23.94 Tech Enh

DIST: ADDRESS:

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: *[Signature]*

11-13-08

Issued by: *[Signature]*

11

CITY OF OAKLAND

PAID
311C 11/13/08

CITY OF OAKLAND • Community and Economic Development Agency

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

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

Appl# OB080935

Job Site 316 38TH ST

Parcel# 012 -0982-012-00

Block s/w per TSD08-0169

Permit Issued 11/13/08

Excavation to allow slurry into UG tanks

To allow UST decommissioning in place on 38th Street

Nbr of days: 5

Linear feet: 100

Effective: 11/17/08

Expiration: 11/21/08

SHORT TERM NON-METERED

Applcmt

Phone#

Lic# --License Classes--

Owner THOMPSON EARL W SR

Contractor NRC ENVIRONMENTAL SERVICES COM

X

(510) 749-1390 716581 A

Arch/Engr

Agent SOMA ENVIRO/E MANZO

(925) 734-6400

Applic Addr 1605 FERRY PT, ALAMEDA, CA, 94501-759

JOB SITE

\$448.68 TOTAL FEES PAID AT ISSUANCE

\$66.00 Applic

\$325.00 Permit

\$.00 Process

\$37.15 Rec Mgmt

\$.00 Gen Plan

\$.00 Invstg

\$.00 Other

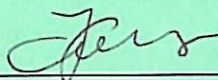
\$20.53 Tech Enh

ADDRESS:

DIST:

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____



11-13-08

Issued by: _____



c

CITY OF OAKLAND

PAID
5/12/13/08

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

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

Appl# OB080937 Job Site 316 38TH ST Parcel# 012 -0982-012-00

Reserve parking per TSD08-0169 one free space REF: X0802268 Permit Issued 11/13/08
Excavation to allow slurry into UG tanks
To allow UST decommissioning in place on 38th Street

Nbr of days: 1
Effective: 11/18/08

Nbr of meters: 5
Expiration: 11/18/08

SHORT TERM METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner THOMPSON EARL W SR				
Contractor NRC ENVIRONMENTAL SERVICES COM	X	(510) 749-1390	716581 A	
Arch/Engr				
Agent SOMA ENVIRO/E MANZO		(925) 734-6400		
Applic Addr 1605 FERRY PT, ALAMEDA, CA, 94501-759				

JOB SITE

\$262.21 TOTAL FEES PAID AT ISSUANCE	
\$66.00 Applic	\$162.50 Permit
\$.00 Process	\$21.71 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$12.00 Tech Enh

DIST: ADDRESS:

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: *[Signature]*

11-13-08

Issued by: *[Signature]*

[Signature]

CITY OF OAKLAND

PAID
511K 11/13/08

PTS100-01

UPDATE/QUERY PROJECT INFORMATION

11/17/08 11:15:49

Next Option: 101

Applic#* OB080936 Type: 1

Date Filed: 11/13/08

Disposition: I ISSUED

11/13/08

NUMBER STREET NAME SUFFIX* SUITE ASSESSOR PARCEL#

Site addr: 1) 316 38TH ST 012 -0982-012-00
2)
3)

Prcl Cond: X Cond Aprvl: Viol:

Proj Descr: Reserve parking per TSD08-0169 one free space REF: X0802267

Excavation to slurry UG tanks New Dates: Mon,Tue,Thur,Fri

To allow UST decommissioning in place on 38th Street

Insp Div: ENG-SVCS Dist: 02A

Track:

Lic# Phone# Applicant

Owner: THOMPSON EARL W SR

Contractor: NRC ENVIRONMENTAL SERVICES COM 716581 (510)749-1390 X

Arch/Engr:

Agent: SOMA ENVIRO/E MANZO

(925)734-6400

Applicant Addr: 1605 FERRY PT

No Fee:

City/State: ALAMEDA, CA

Zip: 94501-7591 Wrkrs Comp* NO

Other Related Applic#s: ENMI07259 X0802267 X0802268 OB080935 OB080937

F3=Ext F5=Chg F6=Add F7=Fwd F8=Bck F11=Fnd F12=Prv F23=Dsc F24=Com

807 Press ENTER to view page 2 data

PTS100-01

UPDATE/QUERY PROJECT INFORMATION

11/17/08 11:15:30

Next Option: 101

Applic#* OB080937 Type: 1

Date Filed: 11/13/08

Disposition: I ISSUED

11/13/08

	NUMBER	STREET NAME	SUFFIX*	SUITE	ASSESSOR	PARCEL#
Site addr: 1)	316	38TH	ST		012	-0982-012-00
2)						
3)						

Prcl Cond: X Cond Aprvl: Viol:

Proj Descr: Reserve parking per TSD08-0169 one free space REF: X0802268

Excavation to slurry UG tanks DATE CHANGE ONLY: Nov 19

To allow UST decommissioning in place on 38th Street

Insp Div: ENG-SVCS Dist: 02A

Track:

Lic# Phone# Applicant

Owner: THOMPSON EARL W SR

Contractor: NRC ENVIRONMENTAL SERVICES COM 716581 (510)749-1390

X

Arch/Engr:

Agent: SOMA ENVIRO/E MANZO

(925)734-6400

Applicant Addr: 1605 FERRY PT

No Fee:

City/State: ALAMEDA, CA

Zip: 94501-7591 Wrkrs Comp* NO

Other Related Applic#s: ENMI07259 X0802267 X0802268 OB080935 OB080936

F3=Ext F5=Chg F6=Add F7=Fwd F8=Bck F11=Fnd F12=Prv F23=Dsc F24=Com

801 RECORD CHANGED

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

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

Appl# OB080937 Job Site 316 38TH ST Parcel# 012 -0982-012-00

Reserve parking per TSD08-0169 one free space REF: X0802268 Permit Issued 11/13/08
Excavation to allow slurry into UG tanks
To allow UST decommissioning in place on 38th Street

Nbr of days: 1
Effective: 11/18/08

Nbr of meters: 5
Expiration: 11/18/08

SHORT TERM METERED

Owner THOMPSON EARL W SR
Contractor NRC ENVIRONMENTAL SERVICES COM X (510) 749-1390 716581 A
Arch/Engr
Agent SOMA ENVIRO/E MANZO (925) 734-6400
Applic Addr 1605 FERRY PT, ALAMEDA, CA, 94501-759

JOB SITE

\$262.21 TOTAL FEES PAID AT ISSUANCE
\$66.00 Applic \$162.50 Permit
\$.00 Process \$21.71 Rec Mgmt
\$.00 Gen Plan \$.00 Invtg
\$.00 Other \$12.00 Tech Enh

Note: Please allow SOMA Environmental (NRC Environmental)
to change the aforementioned date from
11/18/2008 to 11/19/2008

DIST: ADDRESS:

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: [Signature] 11-13-08

Issued by: [Signature] [Signature]

CITY OF OAKLAND

PAID
511 11/13/08

CITY OF OAKLAND • Community and Economic Development Agency

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

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

Appl# OB080936

Job Site 316 38TH ST

Parcel# 012 -0982-012-00

Reserve parking per TSD08-0169 one free space REF: X0802267 Permit Issued 11/13/08
Excavation to allow slurry into UG tanks
To allow UST decommissioning in place on 38th Street

Nbr of days: 4

Effective: 11/17/08

Nbr of meters: 3

Expiration: 11/21/08

SHORT TERM METERED
NON CONSECUTIVE DATES

Applnt

Phone#

Lic#

--License Classes--

Owner THOMPSON EARL W SR

Contractor NRC ENVIRONMENTAL SERVICES COM

X

(510) 749-1390 716581 A

Arch/Engr

Agent SOMA ENVIRO/E MANZO

(925) 734-6400

Applic Addr 1605 FERRY PT, ALAMEDA, CA, 94501-759

JOB SITE

\$523.26 TOTAL FEES PAID AT ISSUANCE

\$66.00 Applic

\$390.00 Permit

\$.00 Process

\$43.32 Rec Mgmt

\$.00 Gen Plan

\$.00 Invstg

\$.00 Other

\$23.94 Tech Enh

ADDRESS:

DIST:

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____

11-13-08

Issued by: _____

CITY OF OAKLAND

PAID
\$412 11/13/08

CITY OF OAKLAND



PUBLIC WORKS AGENCY • 250 FRANK H. OGAWA PLAZA • SUITE 4344 • OAKLAND, CALIFORNIA 94612-2033

Transportation Services Division

Office (510) 238-3466

FAX (510) 238-7415

TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: November 13, 2008

TSD Invoice # : 08-0169

To: Erica Fisker

Company: SOMA

Address: 6620 Owens Drive, Ste.A, Pleasanton, CA 94588

Phone: 925-234-6400

Created/Received By: Joe Watson

Location	Description of Work	Project Name / Permit #	# of Hours *
316 38th Street	Sidewalk Closure		1
		Total Hours	1
		TSD Service Rate	\$ 123.00
		Total Fee	\$ 123.00

* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W659
Organization No.	88631
Account No.	45119
Fund No.	1750

Cc: Rosalie

RECEIVED
CEDA
TRANSPORTATION SERVICES

APPLICATION FOR TRAFFIC CONTROL PLAN

Transportation Services Fee: \$100/hour
(Check or Money Order Only)



City of Oakland

Public Works Agency
Transportation Services Division

Check the box that apply:
☒ New Application (Utility, Excavation)
☐ Renewal Application
☐ New Development w/ Mgmt Plan
☐ City of Oakland Project

Please read the following:

1. Processing time for a Traffic Control Application is a minimum of 10 working days.
2. Traffic Control review is scheduled only on Tuesdays and Thursdays from 8:30am thru 11:30am by appointment only.
3. A scheduled appointment by phone or email with a TSD staff member is necessary to discuss any and all traffic control application and plans.
4. Please call ahead to confirm that the traffic control application is ready for pickup @ 510-238-3487.
5. Businesses and residences adjacent to the work area must be provided 72 hour advance notice.
6. A completed traffic control application may be faxed to (510) 238-7415.
7. Incomplete traffic control applications will not be processed and will be returned to applicant.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. Upon receiving TSD approval of the traffic control plan, the applicant (or contractor) shall proceed to the Building Services Division of CEDA to obtain an "Obstruction Permit." CEDA is located at 250 Frank Ogawa Plaza, 2nd Floor, Oakland, CA 94612.

Contact Person: Erica Fisher Phone: 925-734-6400
Name of Company: SMA Environmental Eng. Fax: 925-734-6401
Address of Company: 16620 Owens Drive, Suite A Pleasanton, CA 94586
Describe type of work to be performed: Drill 9 Temporary boreholes using Direct Push Technology
Underground Storage Tank Decommissioning in-place (Seismic hazard to remove the tanks)
Location of work: 316 38th Street Between* Marilla And* Broadway
Sidewalk area Between* And*
* Name the streets that are the boundaries of your work area.
Work date (s): Nov 17 thru Nov 21, 2008 ☒ Mon-Fri ☐ Sat-Sun ☐ Mon-Fri ☐ Sat-Sun
Work Hours: 7:30 am to 4:30 pm

Please Follow these Steps to Complete a Traffic Control Plan:

- A. Drawing Area: The full width of all streets adjacent to the site MUST be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.
- B. Include Street Names, Direction of Traffic on the Street, and North Arrow
- C. Show Existing Number of Lanes in all Directions (with any pavement arrows)
- D. Check the Box(s) that Apply: All checked items MUST be shown on the drawing
☐ Lane Closure ☐ Use of Median ☒ Sidewalk Closure
☐ Street Closures (must provide detour plan) ☒ Use Parking Lane (must provide pedestrian walk way)
- E. Show All Dimensions of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)
- F. Show the Name and Locations of all advanced warning devices, flaggers, delineators, warning and construction signs to be used.

RENEWAL PROCESS: Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

FOR HELP in constructing a traffic control plan please refer to the "WATCH" hand book or chapter 5 of the MUTCD manual available online at: <http://www.dot.ca.gov/hq/traffic/signetciv/sgndel/chp5/chp5.htm>

For our Website: http://www.oaklandpw.com/transportation/traffic_control_plan.htm

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
Project Number: TSD-08-0169
Reviewed By: JWatson *[Signature]*
Date: 11/13/2008
Permit good from 11/17/2008
to 11/21/2008

ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2000 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices, Chapter 6 – "Traffic Controls for Construction and Maintenance Work Zone," or as directed by the Engineer.

All trenches and excavations in any public street or roadway shall be back filled and opened to traffic, or covered with suitable steel plates securely placed and opened to traffic at all times except during actual construction operations unless otherwise permitted by the Engineer.

Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.








Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
38 th Street between Manila Avenue Broadway	Mon. – Fri. 7am – 4pm	Sidewalk Closure	N/A	N/A	N/A

The Contractor Shall Also include all check item:

- ☒ Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
- ☒ Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
- ☒ Provide advance notice to Oakland Police at (510) 615-5874 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
- ☒ Provide 72-hour advance notice to AC Transit at (510) 891-4909 when affecting a bus stop.
- ☒ For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
- ☐ Flagger control is required. Certified Flagger is required.
- ☒ Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
- ☒ Pedestrian traffic shall be maintained and guided through the project at all times.
- ☒ Provide advance notice to Business and Residence within 72-hours.
- ☒ Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.

TRAFFIC CONTROL PLAN: DAYS 1, 3, and 4 (and possibly a 1/2 day on the 5th day)

-  Flashing Arrow Sign
-  Proposed (slant) temporary borehole locations
-  CONE
-  SIGN (facing right)
-  BARRICADE
-  Existing Ramp In the Sidewalk
-  Person Dedicated to Assist with Pedestrian Crossing

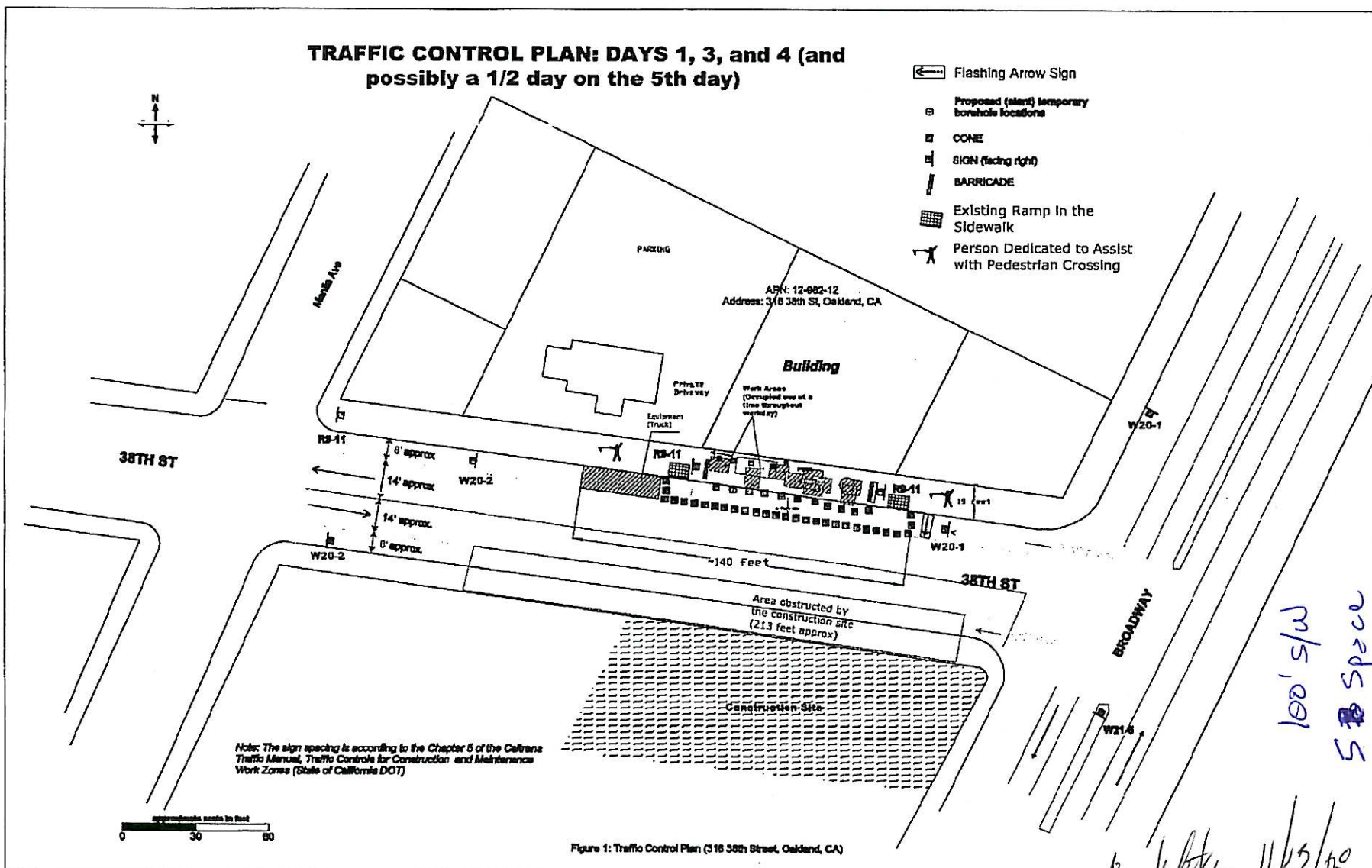


Figure 1: Traffic Control Plan (316 38th Street, Oakland, CA)

APPROVED: *[Signature]* 11/15/10
Transportation Services Division
CITY OF OAKLAND

4 days

100' s/w
50' Space

TRAFFIC CONTROL PLAN: DAY 2

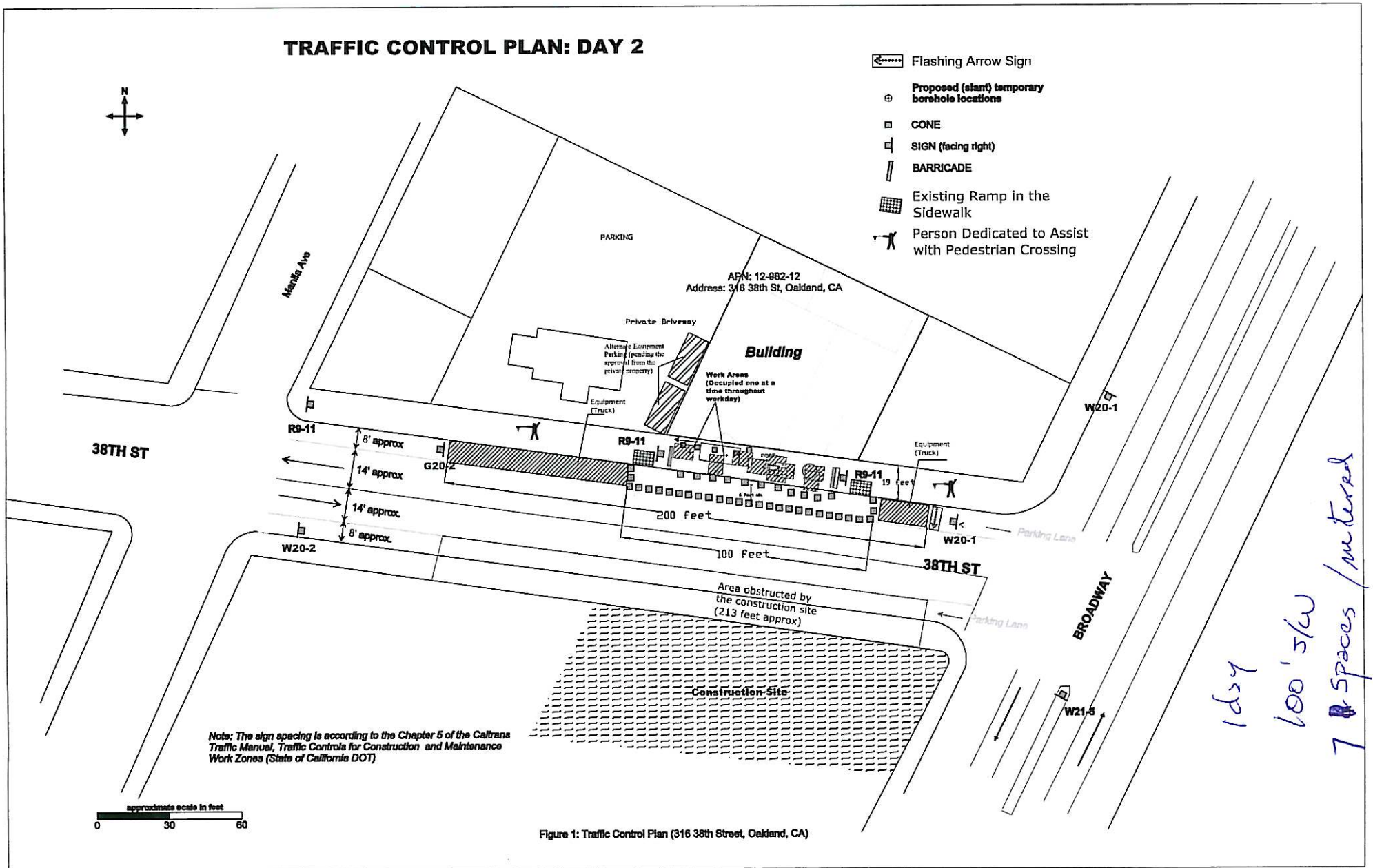


Figure 1: Traffic Control Plan (316 38th Street, Oakland, CA)

FAX TRANSMITTAL**CITY OF OAKLAND**

Community and Economic Development Agency/ Transportation Services Division
250 FRANK H. OGAWA PLAZA - STE. 4344 - OAKLAND, CALIFORNIA 94612

(510) 238-3466
FAX (510) 238-7415
TDD (510) 238-3245

To: Elena From: Joe Watson
Fax: 925 739 6901 Pages: 3
Phone: 925 739 6400 Date: Nov. 14, 2008
Re: _____ cc: _____

☐ Urgent☒ As Requested☐ Please Comment☐ Please Reply☐ For Review

• Comments

CITY OF OAKLAND



PUBLIC WORKS AGENCY • 250 FRANK H. OGAWA PLAZA • SUITE 4344 • OAKLAND, CALIFORNIA 94612-2033

Transportation Services Division

Office (510) 238-3466

FAX (510) 238-7415

TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: November 13, 2008TSD Invoice #: 08-0169

To: Erica Fisker
Company: SOMA
Address: 6620 Owens Drive, Ste.A, Pleasanton, CA 94588
Phone: 925-234-6400

Created/Received By: Joe Watson

Location	Description of Work	Project Name / Permit #	# of Hours *
316 38th Street	Sidewalk Closure		1
Total Hours			1
TSD Service Rate			\$ 123.00
Total Fee			\$ 123.00

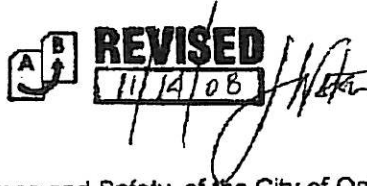
* - minimum 1 hour service

OFFICE USE ONLY	
Cost Center No.	W659
Organization No.	88631
Account No.	45119
Fund No.	1750

Cc: Rosalie

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
 Project Number: TSD-08-0169
 Reviewed By: JWatson
 Date: 11/13/2008
 Permit good from 11/17/2008
 to 11/29/2008



ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2000 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

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Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
38 th Street between Manila Avenue Broadway	Mon. – Fri. 7am – 4pm	Sidewalk Closure	N/A	N/A	N/A

The Contractor Shall Also include all check item:

1. ☒ Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2. ☒ Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3. ☒ Provide advance notice to Oakland Police at (510) 615-5874 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4. ☒ Provide 72-hour advance notice to AC Transit at (510) 891-4909 when affecting a bus stop.
5. ☒ For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6. ☐ Flagger control is required. Certified Flagger is required.
7. ☒ Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8. ☒ Pedestrian traffic shall be maintained and guided through the project at all times.
9. ☒ Provide advance notice to Business and Residence within 72-hours.
10. ☒ Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.

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 June 27, 2007

Tank Permit Number: T07-034

Permission Is Hereby Granted To:

UST Closure Stoddard Solvent **Tank And Excavate Commencing:** **Feet Inside:** **Line.**

On The:

Site Address: 316 38th St., Oakland, CA 94609

Present Storage:

Owner: Estate of Earl S. Thompson Sr.

Address: 2033 N. Main St., #800, Walnut Ck, CA 94596 **Phone:**

Applicant: NRC Environmental Inc.

Address: 1605 Ferry Point, Alameda, CA 94501 **Phone:**

Dimensions Of Street (sidewalk) Surface To Be Disturbed : **X** **No. Of Tanks** 3 **Capacity** 4.1k, 5k, 2.1k **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:

Inspected And Passed On: _____

By: _____

Approved: _____

Fire Marshal

UST/AST Installations/modifications:

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

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

Inspection Fee Paid: \$ 887.12

Received By: Check #8296

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

C-27-e7
CAH
Receipt # CB
902995



SOMA ENVIRONMENTAL ENGINEERING, INC.

6620 OWENS DR. STE. A
PLEASANTON, CA 94588
925-734-6400

8296

90-7118-3211

DATE June 20, 2007

PAY
TO THE
ORDER OF CITY OF OAKLAND

\$ 887.12

EIGHT HUNDRED EIGHTY SEVEN AND 12/100*****

DOLLARS

Security Features
Included
Details on Back

citibank

CITIBANK, N.A. BR. #24
3101 CROW CANYON PLACE
SAN RAMON, CA 94583

FOR 316 38th Street

MP

⑈008296⑈ ⑆321171184⑆ 600931604⑈

FACILITY INFORMATION

Facility/Residence Name Estate of Earl S Thompson Sr. Business Type _____
Site Address 316 38th Street City Oakland Zip 94609-2704
Contact Person John Kortum Title Lawyer Phone 925-930-6600
E-Mail jkortum@archernorris.com Cell Phone NA
Owner, Agency, or Corporation Name Estate of Earl S Thompson Sr. Phone NA
Mailing Address 2033 N Main Street, Suite 800 City Walnut Creek State CA Zip 94596
EPA ID Number NA
Note: Include "Proof of Financial Responsibility"

CONTRACTOR REMOVING TANK(S) AND PIPING: Abandon/ Closure in Place

Contractor NRC ENVIRONMENTAL INC
Contract Person RICH LODGE Phone _____
Business Address 1605 FERRY POINT City ALAMEDA Zip 94501
State Contractors License 716581 (Type A C21B HA7ASB)
Note: Attach a copy of Contractors License, Hazardous Materials Certification, and
Workers Compensation

HAZARDOUS WASTE HAULERS:

Hazardous Waste Hauler, Tank(s) NRC ENVIRONMENTAL INC EPA ID # CAR000030114
Business Address 1605 FERRY POINT City ALAMEDA
Contact RICH LODGE Phone 510-749-1390
Tank(s) and piping destination NA (ABANDON/CLOSURE IN PLACE)
Hazardous Waste Hauler (Rinsate) NRC ENVIRONMENTAL INC EPA ID # CAR000030114
Business address 1605 FERRY POINT City ALAMEDA
Contact RICH LODGE Phone 510-749-1390
Note: Include Hauler License No. 5158 License Exp. Date June 2007

SAMPLE COLLECTION AND ANALYSIS:

Sample Collector MATHEW SPIELMANN Company SOMA ENVIRONMENTAL ENGINEERING, INC
Address 6620 OWENS DRIVE, SUITE A City PLEASANTON Phone 925-734-6400
Soil/Water Analysis Laboratory Curtis & Tompkins, Ltd
State certification No. 01107CA Contact Anne Kathain Phone 510-486-0900
Business Address 2323 Fifth St. City Berkeley Zip 94710

TANK(S) INFORMATION

TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1 <u>4,100</u>	<u>Unknown</u>	<u>Stoddard Solvent</u>
TANK 2 <u>5,000</u>	<u>Unknown</u>	<u>Stoddard Solvent</u>
TANK 3 <u>2,100</u>	<u>Unknown</u>	<u>Stoddard Solvent</u>
TANK 4 _____	_____	_____

"PROCEDURES TO CLOSE UNDERGROUND STORAGE TANK(S) SYSTEMS"

- 1) Submit to the City of Oakland Office of the Fire Marshal (OFM) three (3) completed **Underground Storage Tank System Closure Permit Application**. Prepare State Water Resources Control Board Facility and Tank Pages. These Forms are available from the OFM or you may download the forms by logging on to www.unidocs.org.
 - Include a complete **Tank Page** for each tank to be closed.
 - Include a complete **Facility Page** (if) tank to be closed is home heating oil, or non-regulated.
 - One complete copy of your approved plan must be at the construction site at all the times.
 - Any cutting into tanks requires OFM approval.
- 2) Include with the submitted application a check payable to the City of Oakland for the amount of the designated fee, workmen's compensation insurance verification, and plot plan drawing. The drawing consists of a scaled view of the facility which shows the tank(s) location and the following information:
 - Scale
 - North Arrow
 - Property Line
 - Location of structures near the tank(s)
 - Location of relevant existing equipment (including the tank(s) to be removed), associated piping, and fuel dispensers
 - Area Roadways
 - Underground conduits, sewers water lines utilities
 - Existing wells; drinking, monitoring, etc.
 - Depth of ground water
- 3) The OFM must be notified a minimum of 48 hours, two (2) days prior to commencement of work in order to schedule a removal inspection. The removal inspection appointment **must be confirmed with the district inspector**. A representative of the OFM must be present at the time of removal.
- 4) A site specific Health and Safety Plan must be submitted for review and available at the job site. Underground Service Alert must be contacted at 800-642-2444 prior to the start of any excavation.
- 5) A Tank Closure Report must be submitted within 30 days of removal/closure operations completed, containing a general description of the closure activities indicating:
 - Description of tank, fittings and piping conditions. Size and former contents; notes any corrosion, pitting, holes. If any leak(s) are suspected from any tank an unauthorized Leak/Contamination Report form must be included.
 - Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water,

locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen.

- Detailed description of sampling methods, i.e. – backhoe bucket, drive sampler, bailer, bottles, sleeves.
- Description of any remedial measures conducted at the time of removal.
- To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depth, and tank and piping locations include a copy of the plot prepared for the Tank System Closure Plan Permit Application under item # 2).
- Chain of custody records.
- Copies of signed laboratory reports.
- Copies of TSDF to Generator manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.).
- Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

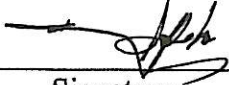
The Closure Report and conclusions are subject to critical review; and the report must be approved by the OFM to be recognized as valid.

- 6) An additional hourly fee will be charged for inspection time exceeding four (4) hours.

The listed items are general closure requirements, modifications may be necessary in certain situations. A deficient application or incomplete information will only cause a delay in the permit process, if you have any questions or need assistance call the OFM at (510) 238-3927. The Underground Storage Tank System Closure Permit **expires 365 days** from the approval date. If the tanks have not been closed/removed within **365 days**, a new closure permit application and fees are required. The closure/removal activities must be scheduled **48 hours** in advance.


Applicant Declaration:

I certify the application information is correct and factual. I declare that I have read and will follow the "procedures to Close Underground Storage tank(s) Systems." I further agree to comply with all applicable City of Oakland Ordinances; Fire Code; Health and Safety Code Chapter 6.7; Title 23, California Code of Regulations.

Applicant Mansour Sepehr Applicant  Date 6-19-07
Print Signature

"This box for OFM use only"

Comments _____	

Inspectors Signature <u></u>	Approval Date <u>6/27/07</u>



Oakland Fire Department Tank Permit Fees



Type of Work	Tank Location	# of Tanks	Plan Check Fees	Inspection Fees	Total Fees
Removal	Above or Underground	1 *	404.40	219.54	623.94
Installation	Aboveground	1 *	404.40	439.07	843.47
Installation	Underground	See Below For Cost Schedule Including Annual Permit Fees			
Closure in Place	Underground	1 *	404.40	219.54	623.94
Any work on piping, dispensers or sumps	Underground	1 *	404.40	219.54	623.94
Dispenser replacement or modifications	Aboveground	n/a	404.40	219.54	623.94
Capping a vent	Underground	n/a	100.00	50.00	150.00
Alter and/or repair monitoring system	Above or Underground	n/a	100.00	50.00	150.00
Overfill Containment Installation / EVR Upgrade	Above or Underground	n/a	100.00	50.00	150.00

***IMPORTANT NOTE: Add \$127.09 for each additional tank for multi-tank jobs.**

Type of Work	Number of Tanks	Annual Permit Fees	Plan Check Fees	Inspection Fees	Total Fees
Underground Tank Installation	1	\$ 266.90	\$ 404.40	\$ 439.07	\$1,110.37
Underground Tank Installation	2	\$ 396.55	\$ 531.49	\$ 439.07	\$1,367.11
Underground Tank Installation	3	\$ 527.46	\$ 658.58	\$ 439.07	\$1,625.11
Underground Tank Installation	4	\$ 662.18	\$ 785.67	\$ 439.07	\$1,886.92
Underground Tank Installation	5	\$ 766.40	\$ 912.76	\$ 439.07	\$2,118.23
Underground Tank Installation	6	\$ 911.30	\$1,039.85	\$ 439.07	\$2,390.22
Underground Tank Installation	7	\$1,030.66	\$1,166.94	\$ 439.07	\$2,636.67
Underground Tank Installation	8	\$1,150.24	\$1,294.03	\$ 439.07	\$2,883.34
Underground Tank Installation	9	\$1,268.67	\$1,421.12	\$ 439.07	\$3,128.86
Underground Tank Installation	10	\$1,388.84	\$1,548.21	\$ 439.07	\$3,376.12

**CITY OF OAKLAND
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Suite 3341
Oakland, California 94612-2032
(510) 238-3851**

**APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS
In the CITY OF OAKLAND**

Request Submittal Date: _____

PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify (e) Abandon/Close in Place A
(a) Gasoline (b) Fuel oil (c) Diesel (d) _____ tank(s) and excavate, commencing:

*Note: Very old Tanks,
not much is known
regarding the tank
specifications*

(a) four feet inside the curb line*; (b) inside the property line; (c) aboveground; (d) underground tank(s)
*inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING

on the NORTH side of 38TH STREET St.Ave. 100 feet WEST of BROADWAY St./Ave.

Site Address: 316 38TH STREET, OAKLAND, CA

Present storage _____

Owner: ESTATE OF EARL THOMPSON SR.
(PROBATE N 6302)

Address _____

Phone (925) 930-6600

C/O JOHN KORTUM, ARCHER NORRIS; 2033 N MAIN ST, SUITE 800, WALNUT CREEK, CA

Applicant: SOMA Environmental Eng. Address _____

Phone (925) 734-6400

6620 OWENS DRIVE, SUITE A, PLEASANTON, CA 94588

Sidewalk surface to be disturbed NO X Number of Tanks 3 Capacity _____ Gallons ea. 4,100 GAL
5,000 GAL
2,100 GAL

Remarks Very little is known about the tanks, closure in place- the removal
might damage the adjacent structure (see supporting documentation)

Signature _____

Mansour Sepehr, Ph.D, P.E

PLEASE ATTACH/SUBMIT: (All applicants must have a City Business License Permit)

- (2) Copies of Closure Plans for underground tank removal (s)
- (2) Sets of plans and (1) copy of specifications for above ground tank removal
- (2) Sets of plans and (2) sets of application packets for underground tank installation/modifications
- (2) Sets of plans for aboveground tank installation and specifications
- copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATION PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. _____

Amt. Recv'd _____

Date Issued: _____

Copies to: Electrical Inspection

ck# _____ Cash _____

Receipt# _____ Recv'd by: _____

UNDERGROUND STORAGE TANK SYSTEM CLOSURE PERMIT APPLICATION

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

1. Facility Name (Tank Site): Estate of Earl S. Thompson Sr., Bldg. No.: NA
Address: 316 38th Street City: Oakland Zip: 94609-2704
EPA ID No.: NA Contact Person: John Kortum Phone No.: (925) 930-6600
2. Tank Owner's Name: Estate of Earl S. Thompson Sr., (Plumas County Superior Court Probate No 6302); Earl Thompson Jr., Executor for the Estate of Earl Thompson Sr.; C/O John Kortum, Archer Norris
Address: 2033 N Main Street, Suite 800 City: Walnut Creek Zip: 94596
3. Tank Operator's Name: NA
Address: NA City: NA Zip: NA
4. Applicant's Name: Mansour Sepehr, Ph.D., PE
Address: 6620 Owens Drive, Suite A City: Pleasanton Zip: 94588
Contact Person: Mansour Sepehr, Ph.D., PE Phone No.: (925) 734-6400
5. Tank Closure Contractor Business Name: NRC Environmental, INC
(As registered with the Contractors State License Board at www.cslb.ca.gov)
Address: 1605 Ferry Point City: Alameda Zip: 94501
CSLB License No.: 716581 Contact Person: Rich Lodge Phone No.: (510) 749-1390
Business License (if required): ☒ on file; ☒ attached; ☐ not applicable
6. Firm that will take soil/water samples: SOMA Environmental Engineering Inc Phone No.: (925) 734-6400
7. State-certified laboratory that will analyze samples: Curtis & Tompkins, Ltd Phone No.: (510) 486-0900

This box is for agency use only

Laboratory analyses shall test for:

	TPHG	TPHD	BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC (EPA 8260)	Organic Lead (DHS-LUFT)	O&G	Cl HC	Metals (Cd, Cr, Pb, Ni, Zn (ICAP or AA)	PCB, PCP, PNA, Creosote (EPA 8270)	pH	Other (Specify)
Tank 1	✓	✓	✓							
Tank 2	✓	✓	✓							
Tank 3	✓	✓	✓							
Tank 4										
Tank 5										
Tank 6										

Additional analyses may be required by inspector in field.

8. Name of Licensed Transporter of Tanks: NRC Environmental Services, Inc (Hauler License 5158)

EPA ID No.: CAR000030114 Phone No.: (510) 749-1390

9. Destination of Tanks and Piping: Abandon/Close in Place

10. Tank System: Size (gallons) Substance(s) Previously Contained

Tank 1 4,100 Stoddard Solvent (estimated volumes)

Tank 2 5,000 Stoddard Solvent (estimated volumes)

Tank 3 2,100 Stoddard Solvent (estimated volumes)

Tank 4 _____

Tank 5 _____

Tank 6 _____

If the owner/operator does not have a current Hazardous Materials Business Plan (HMBP) which includes these tanks on file with the local agency, provide an 8-1/2" x 11" plot plan of the tanks to be closed. Indicate the nearest cross street to the facility, buildings immediately adjacent to the tanks, location(s) of tanks to be closed, and location of nearby utilities.

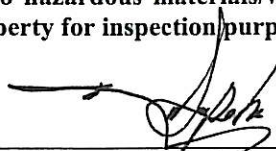
This Underground Tank Closure Permit expires 6 months from the date of application. If tanks have not been closed within 6 months, a new closure permit application and appropriate fees may be required.

Facility closure inspections must be scheduled at least 48 hours in advance. Call the appropriate local agency to make necessary arrangements.

I certify that I have read the tank closure guidelines and declare that the above information is correct to the best of my knowledge. The owner of the tank(s) described above is aware of the pending closure. I agree to comply with all applicable city and county ordinances and state laws relating to hazardous materials/wastes, and hereby authorize representatives of local agencies to enter upon the within mentioned property for inspection purposes.

Mansour Sepehr, Ph.D., PE

Applicant/Agent's Name (Print)



Applicant/Agent's Signature

6-19-07

Date

These boxes are for agency use only

THIS APPROVAL CONSTITUTES A PERMIT FOR REMOVAL OF THE ABOVE LISTED TANKS.

Agency: OAKLAND FIRE

Date: 6/21/07

Print Name: LEROY GRIFFIN

Sign Name: _____

THIS CERTIFIES THAT ALL TANK SYSTEM CLOSURE ACTIVITIES ARE COMPLETE.*

Agency: _____

Date: _____

Print Name: _____

Sign Name: _____

* If contamination of any detectable concentration is found, contact the leaking underground storage tank Local Oversight Program (LOP) and/or Regional Water Quality Control Board for cleanup and/or remediation requirements.

UNDERGROUND STORAGE TANK SYSTEM CLOSURE PERMIT APPLICATION

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

1. Facility Name (Tank Site): Estate of Earl S. Thompson Sr., Bldg. No.: NA
Address: 316 38th Street City: Oakland Zip: 94609-2704
EPA ID No.: NA Contact Person: John Kortum Phone No.: (925) 930-6600
2. Tank Owner's Name: Estate of Earl S. Thompson Sr., (Plumas County Superior Court Probate No 6302); Earl Thompson Jr., Executor for the Estate of Earl Thompson Sr.; C/O John Kortum, Archer Norris
Address: 2033 N Main Street, Suite 800 City: Walnut Creek Zip: 94596
3. Tank Operator's Name: NA
Address: NA City: NA Zip: NA
4. Applicant's Name: Mansour Sepehr, Ph.D., PE
Address: 6620 Owens Drive, Suite A City: Pleasanton Zip: 94588
Contact Person: Mansour Sepehr, Ph.D., PE Phone No.: (925) 734-6400
5. Tank Closure Contractor Business Name: NRC Environmental, INC
(As registered with the Contractors State License Board at www.cslb.ca.gov)
Address: 1605 Ferry Point City: Alameda Zip: 94501
CSLB License No.: 716581 Contact Person: Rich Lodge Phone No.: (510) 749-1390
Business License (if required): ☒ on file; ☒ attached; ☐ not applicable
6. Firm that will take soil/water samples: SOMA Environmental Engineering Inc Phone No.: (925) 734-6400
7. State-certified laboratory that will analyze samples: Curtis & Tompkins, Ltd Phone No.: (510) 486-0900

This box is for agency use only

Laboratory analyses shall test for:

	TPHG	TPHD	BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC (EPA 8260)	Organic Lead (DHS-LUFT)	O&G	Cl HC	Metals (Cd, Cr, Pb, Ni, Zn (ICAP or AA)	PCB, PCP, PNA, Creosote (EPA 8270)	pH	Other (Specify)
Tank 1										
Tank 2										
Tank 3										
Tank 4										
Tank 5										
Tank 6										

Additional analyses may be required by inspector in field.

8. Name of Licensed Transporter of Tanks: NRC Environmental Services, Inc (Hauler License 5158)

EPA ID No.: CAR000030114 Phone No.: (510) 749-1390

9. Destination of Tanks and Piping: Abandon/Close in Place

10. Tank System: Size (gallons) Substance(s) Previously Contained

Tank 1 4,100 Stoddard Solvent (estimated volumes)

Tank 2 5,000 Stoddard Solvent (estimated volumes)

Tank 3 2,100 Stoddard Solvent (estimated volumes)

Tank 4 _____

Tank 5 _____

Tank 6 _____

If the owner/operator does not have a current Hazardous Materials Business Plan (HMBP) which includes these tanks on file with the local agency, provide an 8-1/2" x 11" plot plan of the tanks to be closed. Indicate the nearest cross street to the facility, buildings immediately adjacent to the tanks, location(s) of tanks to be closed, and location of nearby utilities.

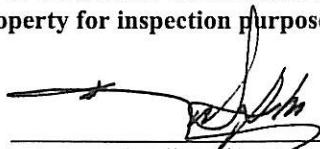
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I certify that I have read the tank closure guidelines and declare that the above information is correct to the best of my knowledge. The owner of the tank(s) described above is aware of the pending closure. I agree to comply with all applicable city and county ordinances and state laws relating to hazardous materials/wastes, and hereby authorize representatives of local agencies to enter upon the within mentioned property for inspection purposes.

Mansour Sepehr, Ph.D., PE

Applicant/Agent's Name (Print)



Applicant/Agent's Signature

6-19-07

Date

These boxes are for agency use only

THIS APPROVAL CONSTITUTES A PERMIT FOR REMOVAL OF THE ABOVE LISTED TANKS.

Agency: _____ Date: _____

Print Name: _____ Sign Name: _____

THIS CERTIFIES THAT ALL TANK SYSTEM CLOSURE ACTIVITIES ARE COMPLETE.*

Agency: _____ Date: _____

Print Name: _____ Sign Name: _____

* If contamination of any detectable concentration is found, contact the leaking underground storage tank Local Oversight Program (LOP) and/or Regional Water Quality Control Board for cleanup and/or remediation requirements.

UNDERGROUND STORAGE TANK SYSTEM CLOSURE PERMIT APPLICATION

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

1. Facility Name (Tank Site): Estate of Earl S. Thompson Sr., Bldg. No.: NA
Address: 316 38th Street City: Oakland Zip: 94609-2704
EPA ID No.: NA Contact Person: John Kortum Phone No.: (925) 930-6600
2. Tank Owner's Name: Estate of Earl S. Thompson Sr., (Plumas County Superior Court Probate No 6302); Earl Thompson Jr., Executor for the Estate of Earl Thompson Sr.; C/O John Kortum, Archer Norris
Address: 2033 N Main Street, Suite 800 City: Walnut Creek Zip: 94596
3. Tank Operator's Name: NA
Address: NA City: NA Zip: NA
4. Applicant's Name: Mansour Sepehr, Ph.D., PE
Address: 6620 Owens Drive, Suite A City: Pleasanton Zip: 94588
Contact Person: Mansour Sepehr, Ph.D., PE Phone No.: (925) 734-6400
5. Tank Closure Contractor Business Name: NRC Environmental, INC
(As registered with the Contractors State License Board at www.cslb.ca.gov)
Address: 1605 Ferry Point City: Alameda Zip: 94501
CSLB License No.: 716581 Contact Person: Rich Lodge Phone No.: (510) 749-1390
Business License (if required): ☒ on file; ☒ attached; ☐ not applicable
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Laboratory analyses shall test for:										
	TPHG	TPHD	BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC (EPA 8260)	Organic Lead (DHS-LUFT)	O&G	CI HC	Metals (Cd, Cr, Pb, Ni, Zn (ICAP or AA)	PCB, PCP, PNA, Creosote (EPA 8270)	pH	Other (Specify)
Tank 1										
Tank 2										
Tank 3										
Tank 4										
Tank 5										
Tank 6										

Additional analyses may be required by inspector in field.

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Tank 6 _____

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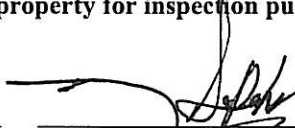
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Mansour Sepehr, Ph.D., PE

Applicant/Agent's Name (Print)



Applicant/Agent's Signature

6-19-07

Date

These boxes are for agency use only

THIS APPROVAL CONSTITUTES A PERMIT FOR REMOVAL OF THE ABOVE LISTED TANKS.

Agency: _____ Date: _____

Print Name: _____ Sign Name: _____

THIS CERTIFIES THAT ALL TANK SYSTEM CLOSURE ACTIVITIES ARE COMPLETE.*

Agency: _____ Date: _____

Print Name: _____ Sign Name: _____

* If contamination of any detectable concentration is found, contact the leaking underground storage tank Local Oversight Program (LOP) and/or Regional Water Quality Control Board for cleanup and/or remediation requirements.

CITY OF OAKLAND
Fire Services Agency
Fire Prevention Bureau
Hazardous Materials Program
250 Frank H. Ogawa Plaza, Ste. 3341
Oakland, CA 94612-2032

UNDERGROUND TANK CLOSURE PLAN
(Complete according to instructions)

- 1) Name of Business Estate of Earl S. Thompson Sr., (Plumas County Superior Court Probate No 6302)
Business Owner or Contact Person (PRINT) Earl Thompson, Jr., Executor for the Estate of Earl Thomson Sr.
 - 2) Site Address 316 38TH STREET
City OAKLAND Zip 94609-2704 Phone (925) 930-6600
 - 3) Mailing Address C/O John Kortum, Archer Norris, 2033 N Main Street, Suite 800
City WALNUT CREEK Zip 94596 Phone (925) 930-6600
 - 4) Property Owner Estate of Earl Thompson, Sr.
Business Name (if applicable) C/O Earl Thompson Jr., Peter Hentschel Esq.
Address 75 Court Street, P.O Drawer 3199
City, State Quincy, CA Zip 94971
 - 5) Generator name under which tank will be manifested
N/A (Close in Place)
- EPA ID Under which tank will be manifested CA N/A (Close in Place)

6) Contractor NRC Environmental Services
Address 1605 Ferry Point
City Alameda, CA 94501 Phone (510) 749-1390
License Type A C21B HA7ASB IDS 716581

Effective January 1, 1992, Business and Professional Code Section 7058.7 require contractors to also hold Hazardous Waste certification issued by the State Contractor License Board

7) Consultant (if applicable) SOMA Environmental Engineering
Address 6620 Owens Drive, Suite A
City, State Pleasanton, CA 94588 Phone (925) 734-6400

8) Main Contact Person for Investigation (if applicable)
Name Mr. Mansour Sepehr Ph.D., P.E Title Principal Hydrogeologist
Company SOMA Environmental Engineering
Phone (925) 734-6400

9) Number of underground tanks being closed with this plan 3 (Confirmed with owner operator)

10) State Registered Hazardous Waste Transporters/Facilities (see instructions)

****Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter
Name NRC Environmental Serv. EPA I.D. NO. CAR0000030114
Hauler License No. 5158 License Exp. Date June 2007
Address 1605 Ferry Point
City Alameda State CA Zip 94501

b) Product/Residual Sludge/Rinsate Disposal Site
Name Romic Environmental EPA ID No. CAD009452657
Address 2081 Bay Road
City East Palo Alto State CA Zip 94303

c) Tank and Piping Transporter NA

Name _____ EPA I.D. No. _____

c) Hauler License No. _____ License Exp. Date _____

Address _____

City _____ State _____ Zip _____

d) Tank and Piping Disposal Site NA

Name _____ EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

11) Sample Collector

Name Matthew Spielmann/ Tony Perini

Company SOMA Environmental Engineering, Inc.

Address 6620 Owens Drive, Suite A

City Pleasanton State CA Zip 94588

Phone (925) 734-6400 NA

12) Laboratory

Name Curtis and Tompkins, LTD

Address 2323 Fifth Street

City Berkeley State CA Zip 94710

State Certification No. 01107CA

13) Have tanks or pipes leaked in the past Yes ☐ No ☐ Unknown ☒

If yes, describe _____

14) Describe methods to be used for rendering tank (s): inert:

15 lbs per 1,000 Gallons of Tank

(of dry ice)

Capacity (per tank)

Before tanks are pumped out and inserted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000 must also be contacted for tank removal permit. The use of a combustible gas indicator to verify tank inertness is required. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert. Note: you may be required to recalibrate the combustible gas indicator on site, to show that it is working properly.

15) Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History, include date last used (estimated)		
TANK 1 4,100gal	Stoddard Solvent	SOIL	Per Borehole Locations (map attached) One foot below tank depth
TANK 2 5,000gal			
TANK 3 2,100gal			

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

EXCAVATED/STOCKPILED SOIL

Stockpiled Soil volume (estimated) <div style="text-align: center;">NA</div> No stockpile soil will be generated	Sampling Plan <div style="text-align: center;">NA</div> No stockpile soil will be generated
--	---

Stockpiled soil must be placed on beamed plastic and must be completely covered by plastic sheeting

Will the excavated soil be returned to the excavation immediately after tank removal? NA

☐ yes ☒ No ☐ unknown

If yes, explain reasoning _____

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Fire Services Agency, Office of Emergency Services. This means that the contractor, consultant, or responsible party must communicate with the Hazardous Materials Inspector **IN ADVANCE** of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples: See table below

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.

See attached Table 2. Note: To be sampled from temp. borehole locations

17. Submit Site Health and Safety Plan (see Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit (Reporting Limit)
Gasoline	EPA 5030B	EPA 8015B	50ppb
Diesel	EPA 3520C	EPA 8015B	50ppb
Motor oil	EPA 3520C	EPA 8015B	300ppb
Acetone	EPA 5030B	EPA 8260B	5.0ppb
1,2 Dichloroethane	EPA 5030B	EPA 8260B	5.0ppb
m.p Xylenes	EPA 5030B	EPA 8260B	5.0ppb
Propylbenzene	EPA 5030B	EPA 8260B	5.0ppb
1,3,5 Trimethylbenzene	EPA 5030B	EPA 8260B	5.0ppb
1,2,4 Trimethylbenzene	EPA 5030B	EPA 8260B	5.0ppb
sec-Butylbenzene	EPA 5030B	EPA 8260B	5.0ppb
n-Butylbenzene	EPA 5030B	EPA 8260B	5.0ppb

Note: The above contaminants were obtained by direct sampling of the tanks' contents.
See laboratory results attached.

18. Submit Workers Compensation Certificate copy

Name of Insurer UNITED STATES Fidelity AND Guaranty Co.
Continental Casualty Insurance

19. Submit Plot Plan ~~***~~(Be Instructions)***

20. Enclose Permit fee (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report, (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for tank removed in the upper right hand corner)

I declare that to, the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that proved above, may be needed in order to obtain approval from the Hazardous Materials Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the City of Oakland.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Inspector at least three working days in advance of site-work, to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business NRC Environmental Services Inc. (EPA ID CAR000030114)

Name of Individual Rich Lodge

Signature [Signature] Date 1-3-07

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business Estate of Earl Thompson Sr.,

Name of Individual by Earl Thompson, Jr., (Executor for the Estate of Earl Thomson Sr.)

Signature Earl Thompson Date 5-15-07

General Instructions

- Three (3) copies of this plan plus attachments and permit must be submitted to this Department.
- Any cutting into tanks requires Fire Services Agency approval.
- One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- State of California Permit Application Forms A and B are to submit to this office One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS

Address at which closure is taking place.

5. EPA I.D. NO. - under which the tanks will be manifested

EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781

6. CONTRACTOR

Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

- a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
- c) Tanks must be hauled as hazardous waste.
- d) This is the place where tanks will be taken for cleaning.

15) TANK HISTORY AND SAMPLING INFORMATION

Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the trig) water mark, etc.

16) CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS

See attached Table 2.

17) SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer.
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;

SITE HEALTH AND SAFETY PLAN

- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions;
 - e) Description of the work habit changes triggered by the above action levels or physical conditions;
 - f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
 - h) Confined space entry procedures-(if applicable);
 - g) Decontamination procedures;
 - i) Measures to be taken to secure the site, excavation and stockpiled soils during and after work hour (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guard, etc.);
 - j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital near the site;
 - k) Documentation that all site workers have received the appropriate ASIA approved training and participate medical surveillance per 29 CFR 1910.120;
- l) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989; Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19) PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers water lines utilities;
- h) Existing wells; drinking monitoring, etc;
- i) Depth to ground water; and
- j) All existing tank(s) and piping in addition to the tank(s) being removed.

20) PERMIT FEE

A check payable to the City of Oakland for the amount indicated must accompany the plans.

- 21) Blank unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Regional Water Quality Control Board (510) 286-1255. Larger quantities may be directly from the State Water Resources Control Board at (916) 739-2421.

22) TANK CLOSURE REPORT

The Tank Closure reports: General description of the closure activities, indicate;

- a) Description of tank, fittings and piping conditions. Size and former contents; note any corrosion, pitting, holes;
- b) Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water, locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen;
- c) Detailed description of sampling methods., i.e. - backhoe bucket, drive sampler, bailer, bottles (s), sleeves;
- d) Description of any remedial measures conducted at the time of tank removal;
- e) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations include a copy of the plot plan prepared for the Tank Closure-plan under item #19;
- f) Chain of custody records;
- g) Copies of signed laboratory reports;
- h) Copies of TSDf to Generator Manifests for all hazardous wastes hauled offsite (sludge, Rinsate, tanks and piping, contaminated soil, etc), and
- i) Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

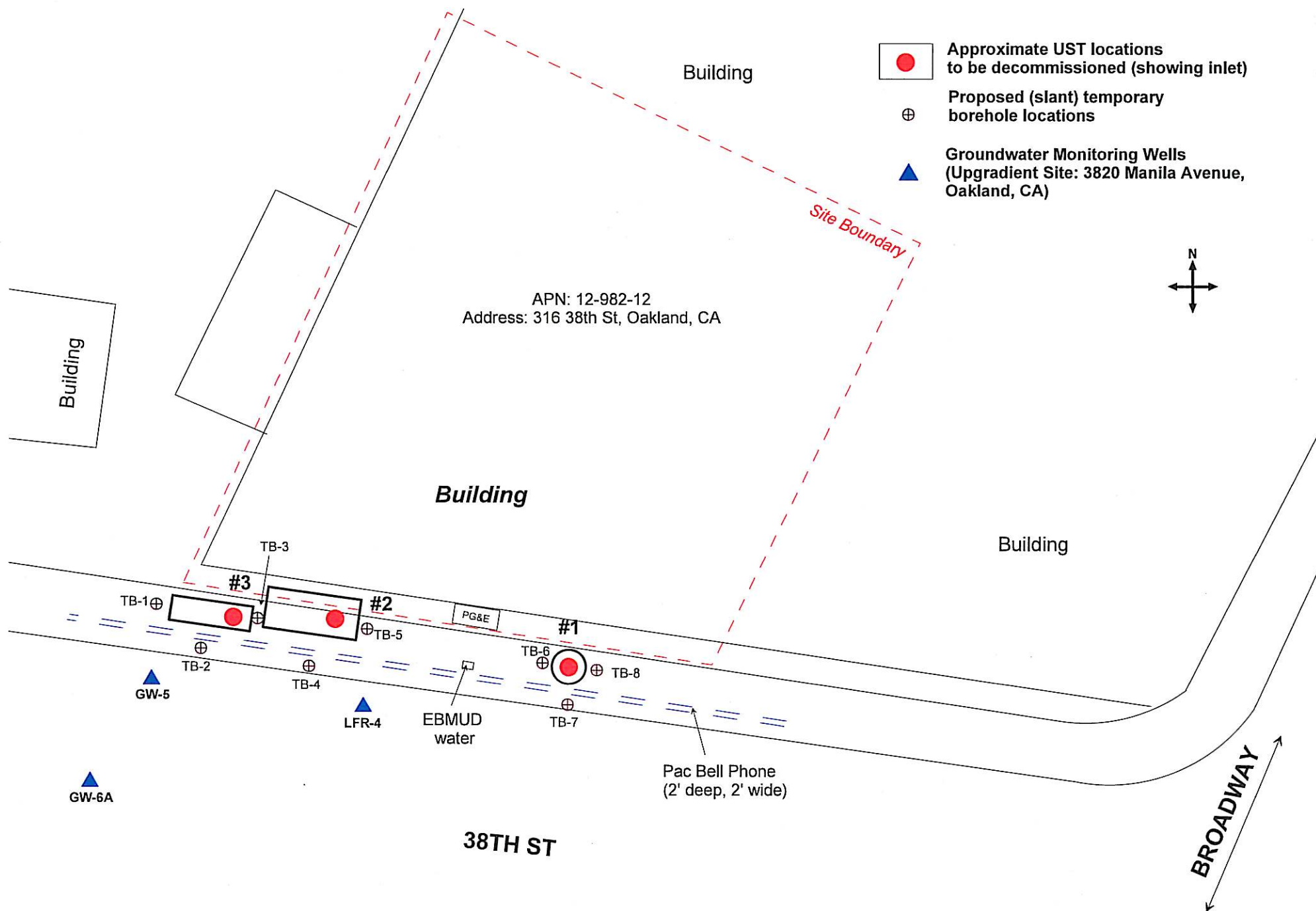


Figure: Map showing approximate UST locations and proposed borehole locations (soil sampling plan).

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

Page 1 of 2

TYPE OF ACTION (Check one item only)		<input type="checkbox"/> 1 NEW SITE PERMIT <input type="checkbox"/> 4 AMENDED PERMIT <input type="checkbox"/> 5 CHANGE OF INFORMATION <input type="checkbox"/> 6 TEMPORARY SITE CLOSURE <input type="checkbox"/> 3 RENEWAL PERMIT (Specify reason – for local use only) (Specify reason – for local use only) <input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE (Closure in place) 430 <input type="checkbox"/> 8 TANK REMOVED	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) Estate of Earl S. Thompson Sr. (Probate No 6302) 3		FACILITY ID: _____ 1	
LOCATION WITHIN SITE (Optional) Sidewalk (Please see map attached) 431			
I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)			
TANK ID # 432 Tank 1	TANK MANUFACTURER 433 Unknown	COMPARTMENTALIZED TANK <input type="checkbox"/> Yes <input type="checkbox"/> No 434 If "Yes", complete one page for each compartment. Unknown	
DATE INSTALLED (YEAR/MO) 435 Unknown	TANK CAPACITY IN GALLONS 436 4,100 gal	NUMBER OF COMPARTMENTS 437 1	
ADDITIONAL DESCRIPTION (For local use only) 438			
II. TANK CONTENTS			
TANK USE 439 <input type="checkbox"/> 1. MOTOR VEHICLE FUEL (If marked complete Petroleum Type) <input type="checkbox"/> 2. NON-FUEL PETROLEUM <input type="checkbox"/> 3. CHEMICAL PRODUCT <input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil) <input checked="" type="checkbox"/> 95. UNKNOWN	PETROLEUM TYPE 440 <input type="checkbox"/> 1a. REGULAR UNLEADED <input type="checkbox"/> 2. LEADED <input type="checkbox"/> 5. JET FUEL <input type="checkbox"/> 1b. PREMIUM UNLEADED <input type="checkbox"/> 3. DIESEL <input type="checkbox"/> 6. AVIATION FUEL <input type="checkbox"/> 1c. MIDGRADE UNLEADED <input type="checkbox"/> 4. GASOHOL <input checked="" type="checkbox"/> 99. OTHER (see laboratory data attached) COMMON NAME (from Hazardous Materials Inventory page) 441 CAS# (from Hazardous Materials Inventory page) 442		
III. TANK CONSTRUCTION			
TYPE OF TANK (Check one item only)	<input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER <input type="checkbox"/> 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443 <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 4. SINGLE WALL IN VAULT <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER		
TANK MATERIAL – primary tank (Check one item only)	<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN 444 <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) <input type="checkbox"/> 8. FRP COMPATIBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER		
TANK MATERIAL – secondary tank (Check one item only)	<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN 445 <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) <input type="checkbox"/> 8. FRP COMPATIBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER <input type="checkbox"/> 5. CONCRETE <input type="checkbox"/> 10. COATED STEEL		
TANK INTERIOR LINING (Check one item only)	<input type="checkbox"/> 1. RUBBER LINED <input type="checkbox"/> 3. EPOXY LINING <input type="checkbox"/> 5. GLASS LINING <input checked="" type="checkbox"/> 95. UNKNOWN 446 DATE INSTALLED 447 <input type="checkbox"/> 2. ALKYD LINING <input type="checkbox"/> 4. PHENOLIC LINING <input type="checkbox"/> 6 UNLINED <input type="checkbox"/> 99 OTHER (For local use only)		
OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only)	<input type="checkbox"/> 1 MANUFACTURED CATHODIC <input type="checkbox"/> 3 FIBERGLASS REINFORCED PLASTIC <input checked="" type="checkbox"/> 95 UNKNOWN 448 DATE INSTALLED 449 <input type="checkbox"/> 2 SACRIFICIAL ANODE <input type="checkbox"/> 4 IMPRESSED CURRENT <input type="checkbox"/> 99 OTHER (For local use only)		
SPILL AND OVERFILL (Check all that apply)	YEAR INSTALLED 450 Unknown	TYPE (local use only) 451 Unknown	OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452 <input type="checkbox"/> 1 ALARM <input type="checkbox"/> 3 FILL TUBE SHUT OFF VALVE <input type="checkbox"/> 2 BALL FLOAT <input type="checkbox"/> 4 EXEMPT Unknown
IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)			
IF SINGLE WALL TANK (Check all that apply) 453 <input type="checkbox"/> 1 VISUAL (EXPOSED PORTION ONLY) <input type="checkbox"/> 5 MANUAL TANK GAUGING (MTG) <input type="checkbox"/> 2 AUTOMATIC TANK GAUGING (ATG) <input type="checkbox"/> 6 VADOSE ZONE <input type="checkbox"/> 3 CONTINUOUS ATG <input type="checkbox"/> 7 GROUNDWATER <input type="checkbox"/> 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING <input type="checkbox"/> 8 TANK TESTING <input checked="" type="checkbox"/> 99 OTHER		IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) 454 <input type="checkbox"/> 1 VISUAL (SINGLE WALL IN VAULT ONLY) <input type="checkbox"/> 2 CONTINUOUS INTERSTITIAL MONITORING <input type="checkbox"/> 3 MANUAL MONITORING	
IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE			
ESTIMATED DATE LAST USED (YR/MO/DAY) 455 Unknown	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 Unknown gallons	TANK FILLED WITH INERT MATERIAL? 457 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 2

Tank 1

VI. PIPING CONSTRUCTION (Check all that apply)

Page 2 of 2

UNDERGROUND PIPING		ABOVEGROUND PIPING (none)	
SYSTEM TYPE	<input type="checkbox"/> 1. PRESSURE <input type="checkbox"/> 2. SUCTION <input type="checkbox"/> 3. GRAVITY 458	<input type="checkbox"/> 1. PRESSURE <input type="checkbox"/> 2. SUCTION <input type="checkbox"/> 3. GRAVITY 459	
CONSTRUCTION	<input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 3. LINED TRENCH <input type="checkbox"/> 99. OTHER 460	<input type="checkbox"/> 1. SINGLE WALL <input checked="" type="checkbox"/> 95. UNKNOWN 462	
MANUFACTURER	<input type="checkbox"/> 2. DOUBLE WALL <input checked="" type="checkbox"/> 95. UNKNOWN 461	<input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 99. OTHER 463	
MANUFACTURER Very Old Tank.		MANUFACTURER	
<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 7. GALVANIZED STEEL <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS <input type="checkbox"/> 99. Other <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 8. FLEXIBLE (HDPE) <input type="checkbox"/> 5. STEEL W/COATING <input type="checkbox"/> 9. CATHODIC PROTECTION 464		<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 7. GALVANIZED STEEL <input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS <input type="checkbox"/> 8. FLEXIBLE (HDPE) <input type="checkbox"/> 99. OTHER <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 9. CATHODIC PROTECTION <input type="checkbox"/> 5. STEEL W/COATING <input checked="" type="checkbox"/> 95. UNKNOWN 465	

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING (unknown)	ABOVEGROUND PIPING (none)
SINGLE WALL PIPING 466 PRESSURIZED PIPING (Check all that apply): <input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. <input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST <input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH) CONVENTIONAL SUCTION SYSTEMS <input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH) SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING): <input type="checkbox"/> 7. SELF MONITORING GRAVITY FLOW <input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH) SECONDARILY CONTAINED PIPING PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR <u>WITH</u> AUDIBLE AND VISUAL ALARMS AND (Check one) <input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS <input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION <input type="checkbox"/> c. NO AUTO PUMP SHUT OFF <input type="checkbox"/> 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) <u>WITH</u> FLOW SHUT OFF OR RESTRICTION <input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH) SUCTION/GRAVITY SYSTEM <input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS EMERGENCY GENERATORS ONLY (Check all that apply) <input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS <input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) <u>WITHOUT</u> FLOW SHUT OFF OR RESTRICTION <input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 17. DAILY VISUAL CHECK	SINGLE WALL PIPING 467 PRESSURIZED PIPING (Check all that apply): <input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. <input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST <input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH) <input type="checkbox"/> 4. DAILY VISUAL CHECK CONVENTIONAL SUCTION SYSTEMS (Check all that apply) <input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM <input type="checkbox"/> 6. TRIENNIAL INTEGRITY TEST (0.1 GPH) SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING): <input type="checkbox"/> 7. SELF MONITORING GRAVITY FLOW (Check all that apply): <input type="checkbox"/> 8. DAILY VISUAL MONITORING <input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH) SECONDARILY CONTAINED PIPING PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR <u>WITH</u> AUDIBLE AND VISUAL ALARMS AND (Check one) <input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS <input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION <input type="checkbox"/> c. NO AUTO PUMP SHUT OFF <input type="checkbox"/> 11. AUTOMATIC LEAK DETECTOR <input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH) SUCTION/GRAVITY SYSTEM <input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS EMERGENCY GENERATORS ONLY (Check all that apply) <input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS <input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) <input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT (NA)

DISPENSER CONTAINMENT	<input type="checkbox"/> 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	<input type="checkbox"/> 4. DAILY VISUAL CHECK
DATE INSTALLED 468	<input type="checkbox"/> 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 5. TRENCH LINER / MONITORING
	<input type="checkbox"/> 3. CONTINUOUS DISPENSER PAN SENSOR <u>WITH</u> AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR <i>Earl Thompson</i>	DATE <i>5-15-07</i>	470
NAME OF OWNER/OPERATOR (print) Earl Thompson, Jr., Executor for the Estate of Earl Thompson Sr.	TITLE OF OWNER/OPERATOR	472

Permit Number (For local use only) 473	Permit Approved (For local use only) 474	Permit Expiration Date (For local use only) 475
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UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

Page 1 of 2

TYPE OF ACTION ☐ 1 NEW SITE PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE
(Check one item only) ☒ 7 PERMANENTLY CLOSED ON SITE (Closure in place) 430

☐ 3 RENEWAL PERMIT

(Specify reason – for local use only)

(Specify reason – for local use only)

☐ 8 TANK REMOVED

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Estate of Earl S. Thompson Sr. (Probate No 6302) 3

FACILITY ID:

LOCATION WITHIN SITE (Optional)

Sidewalk (Please see map attached)

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # Tank 2 432	TANK MANUFACTURER Unknown 433	COMPARTMENTALIZED TANK <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", complete one page for each compartment. Unknown 434
DATE INSTALLED (YEAR/MO) Unknown 435	TANK CAPACITY IN GALLONS 5,000 gal 436	NUMBER OF COMPARTMENTS 1 437
ADDITIONAL DESCRIPTION (For local use only) 438		

II. TANK CONTENTS

TANK USE 439 <input type="checkbox"/> 1. MOTOR VEHICLE FUEL (If marked complete Petroleum Type) <input type="checkbox"/> 2. NON-FUEL PETROLEUM <input type="checkbox"/> 3. CHEMICAL PRODUCT <input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil) <input checked="" type="checkbox"/> 95. UNKNOWN	PETROLEUM TYPE 440 <input type="checkbox"/> 1a. REGULAR UNLEADED <input type="checkbox"/> 2. LEADED <input type="checkbox"/> 5. JET FUEL <input type="checkbox"/> 1b. PREMIUM UNLEADED <input type="checkbox"/> 3. DIESEL <input type="checkbox"/> 6. AVIATION FUEL <input type="checkbox"/> 1c. MIDGRADE UNLEADED <input type="checkbox"/> 4. GASOHOL <input checked="" type="checkbox"/> 99. OTHER (see laboratory data attached) COMMON NAME (from Hazardous Materials Inventory page) 441 CAS# (from Hazardous Materials Inventory page) 442
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III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER <input type="checkbox"/> 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM <input checked="" type="checkbox"/> 95. UNKNOWN 443	<input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 4. SINGLE WALL IN VAULT <input type="checkbox"/> 99. OTHER
TANK MATERIAL – primary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN 444 <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS <input type="checkbox"/> 8. FRP COMPTIBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER REINFORCED PLASTIC (FRP)	
TANK MATERIAL – secondary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN 445 <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS <input type="checkbox"/> 8. FRP COMPTIBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER REINFORCED PLASTIC (FRP) <input type="checkbox"/> 10. COATED STEEL <input type="checkbox"/> 5. CONCRETE	
TANK INTERIOR LINING (Check one item only) <input type="checkbox"/> 1. RUBBER LINED <input type="checkbox"/> 3. EPOXY LINING <input type="checkbox"/> 5. GLASS LINING <input checked="" type="checkbox"/> 95. UNKNOWN 446	DATE INSTALLED 447
OR COATING (Check one item only) <input type="checkbox"/> 2. ALKYD LINING <input type="checkbox"/> 4. PHENOLIC LINING <input type="checkbox"/> 6. UNLINED <input type="checkbox"/> 99. OTHER	(For local use only)
OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only) <input type="checkbox"/> 1 MANUFACTURED CATHODIC PROTECTION <input type="checkbox"/> 3 FIBERGLASS REINFORCED PLASTIC <input checked="" type="checkbox"/> 95 UNKNOWN 448 <input type="checkbox"/> 2 SACRIFICIAL ANODE <input type="checkbox"/> 4 IMPRESSED CURRENT <input type="checkbox"/> 99. OTHER	DATE INSTALLED 449 (For local use only)
SPILL AND OVERFILL (Check all that apply) <input type="checkbox"/> 1 SPILL CONTAINMENT <input type="checkbox"/> 2 DROP TUBE <input type="checkbox"/> 3 STRIKER PLATE YEAR INSTALLED 450 TYPE (local use only) 451 Unknown	OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452 <input type="checkbox"/> 1 ALARM <input type="checkbox"/> 3 FILL TUBE SHUT OFF VALVE <input type="checkbox"/> 2 BALL FLOAT <input type="checkbox"/> 4 EXEMPT Unknown

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) 453 <input type="checkbox"/> 1 VISUAL (EXPOSED PORTION ONLY) <input type="checkbox"/> 5 MANUAL TANK GAUGING (MTG) <input type="checkbox"/> 2 AUTOMATIC TANK GAUGING (ATG) <input type="checkbox"/> 6 VADOSE ZONE <input type="checkbox"/> 3 CONTINUOUS ATG <input type="checkbox"/> 7 GROUNDWATER <input type="checkbox"/> 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING <input type="checkbox"/> 8 TANK TESTING <input checked="" type="checkbox"/> 99 OTHER	IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) 454 <input type="checkbox"/> 1 VISUAL (SINGLE WALL IN VAULT ONLY) <input type="checkbox"/> 2 CONTINUOUS INTERSTITIAL MONITORING <input type="checkbox"/> 3 MANUAL MONITORING
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IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455 Unknown	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 Unknown gallons	TANK FILLED WITH INERT MATERIAL? 457 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS – TANK PAGE 2

TANKS
Tank 2

VI. PIPING CONSTRUCTION (Check all that apply)

Page 2 of 2

UNDERGROUND PIPING				ABOVEGROUND PIPING (none)				
SYSTEM TYPE	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input type="checkbox"/> 3. GRAVITY	458	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input type="checkbox"/> 3. GRAVITY	459
CONSTRUCTION	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 3. LINED TRENCH	<input type="checkbox"/> 99. OTHER	460	<input type="checkbox"/> 1. SINGLE WALL	<input checked="" type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER	462
MANUFACTURER	<input type="checkbox"/> 2. DOUBLE WALL	<input checked="" type="checkbox"/> 95. UNKNOWN		461	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 99. OTHER		463
MANUFACTURER					MANUFACTURER			
<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 5. STEEL W/COATING					<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 5. STEEL W/COATING			
<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL <input type="checkbox"/> 7. GALVANIZED STEEL <input checked="" type="checkbox"/> 99. Other					<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL <input type="checkbox"/> 7. GALVANIZED STEEL <input type="checkbox"/> 8. FLEXIBLE (HDPE) <input type="checkbox"/> 9. CATHODIC PROTECTION <input checked="" type="checkbox"/> 95. UNKNOWN			

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

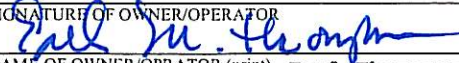
UNDERGROUND PIPING (unknown)	ABOVEGROUND PIPING (none)
SINGLE WALL PIPING 466 PRESSURIZED PIPING (Check all that apply): <input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. <input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST <input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1 GPH) CONVENTIONAL SUCTION SYSTEMS <input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH) SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING): <input type="checkbox"/> 7. SELF MONITORING GRAVITY FLOW <input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH) SECONDARILY CONTAINED PIPING PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) <input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS <input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION <input type="checkbox"/> c. NO AUTO PUMP SHUT OFF <input type="checkbox"/> 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION <input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH) SUCTION/GRAVITY SYSTEM <input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS EMERGENCY GENERATORS ONLY (Check all that apply) <input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS <input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION <input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 17. DAILY VISUAL CHECK	SINGLE WALL PIPING 467 PRESSURIZED PIPING (Check all that apply): <input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. <input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST <input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 4. DAILY VISUAL CHECK CONVENTIONAL SUCTION SYSTEMS (Check all that apply): <input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM <input type="checkbox"/> 6. TRIENNIAL INTEGRITY TEST (0.1 GPH) SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING): <input type="checkbox"/> 7. SELF MONITORING GRAVITY FLOW (Check all that apply): <input type="checkbox"/> 8. DAILY VISUAL MONITORING <input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH) SECONDARILY CONTAINED PIPING PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) <input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS <input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION <input type="checkbox"/> c. NO AUTO PUMP SHUT OFF <input type="checkbox"/> 11. AUTOMATIC LEAK DETECTOR <input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH) SUCTION/GRAVITY SYSTEM <input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS EMERGENCY GENERATORS ONLY (Check all that apply) <input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS <input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) <input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT (NA)

DISPENSER CONTAINMENT	<input type="checkbox"/> 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	<input type="checkbox"/> 4. DAILY VISUAL CHECK
DATE INSTALLED 468	<input type="checkbox"/> 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 5. TRENCH LINER / MONITORING
	<input type="checkbox"/> 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR 	DATE 5-15-07	470
NAME OF OWNER/OPERATOR (print) Earl Thompson, Jr., Executor for the Estate of Earl Thompson Sr.	TITLE OF OWNER/OPERATOR	472

Permit Number (For local use only) 473	Permit Approved (For local use only) 474	Permit Expiration Date (For local use only) 475
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UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

Page 1 of 2

TYPE OF ACTION <input type="checkbox"/> 1 NEW SITE PERMIT <input type="checkbox"/> 4 AMENDED PERMIT <input type="checkbox"/> 5 CHANGE OF INFORMATION <input type="checkbox"/> 6 TEMPORARY SITE CLOSURE (Check one item only)				<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE (Closure in place)				430					
<input type="checkbox"/> 3 RENEWAL PERMIT (Specify reason - for local use only) (Specify reason - for local use only)				<input type="checkbox"/> 8 TANK REMOVED				430					
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) Estate of Earl S. Thompson Sr. (Probate No 6302)				FACILITY ID:				1					
LOCATION WITHIN SITE (Optional) Sidewalk (Please see map attached)												431	
I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)													
TANK ID # 432 Tank 3				TANK MANUFACTURER 433 Unknown				COMPARTMENTALIZED TANK <input type="checkbox"/> Yes <input type="checkbox"/> No 434 If "Yes", complete one page for each compartment. Unknown					
DATE INSTALLED (YEAR/MO) 435 Unknown				TANK CAPACITY IN GALLONS 436 2,100 gal				NUMBER OF COMPARTMENTS 437 1					
ADDITIONAL DESCRIPTION (For local use only)												438	
II. TANK CONTENTS													
TANK USE 439 <input type="checkbox"/> 1. MOTOR VEHICLE FUEL (If marked complete Petroleum Type) <input type="checkbox"/> 2. NON-FUEL PETROLEUM <input type="checkbox"/> 3. CHEMICAL PRODUCT <input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil) <input checked="" type="checkbox"/> 95. UNKNOWN				PETROLEUM TYPE 440 <input type="checkbox"/> 1a. REGULAR UNLEADED <input type="checkbox"/> 2. LEADED <input type="checkbox"/> 5. JET FUEL <input type="checkbox"/> 1b. PREMIUM UNLEADED <input type="checkbox"/> 3. DIESEL <input type="checkbox"/> 6. AVIATION FUEL <input type="checkbox"/> 1c. MIDGRADE UNLEADED <input type="checkbox"/> 4. GASOHOL <input checked="" type="checkbox"/> 99. OTHER (see laboratory data attached)									
				COMMON NAME (from Hazardous Materials Inventory page) 441				CAS# (from Hazardous Materials Inventory page) 442					
III. TANK CONSTRUCTION													
TYPE OF TANK (Check one item only) <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER <input type="checkbox"/> 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443 <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 4. SINGLE WALL IN VAULT <input checked="" type="checkbox"/> 95. UNKNOWN													
TANK MATERIAL - primary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN 444 <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS <input type="checkbox"/> 8. FRP COMPATIBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER													
TANK MATERIAL - secondary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN 445 <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS <input type="checkbox"/> 8. FRP COMPATIBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER <input type="checkbox"/> 10. COATED STEEL <input type="checkbox"/> 5. CONCRETE													
TANK INTERIOR LINING (Check one item only) <input type="checkbox"/> 1. RUBBER LINED <input type="checkbox"/> 3. EPOXY LINING <input type="checkbox"/> 5. GLASS LINING <input checked="" type="checkbox"/> 95. UNKNOWN 446 <input type="checkbox"/> 2. ALKYD LINING <input type="checkbox"/> 4. PHENOLIC LINING <input type="checkbox"/> 6 UNLINED <input type="checkbox"/> 99 OTHER				DATE INSTALLED 447									
OR COATING (Check one item only) <input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 6 UNLINED <input type="checkbox"/> 99 OTHER				(For local use only)									
OTHER CORROSION (Check one item only) <input type="checkbox"/> 1 MANUFACTURED CATHODIC PROTECTION <input type="checkbox"/> 3 FIBERGLASS REINFORCED PLASTIC <input checked="" type="checkbox"/> 95 UNKNOWN 448 <input type="checkbox"/> 2 SACRIFICIAL ANODE <input type="checkbox"/> 4 IMPRESSED CURRENT <input type="checkbox"/> 99 OTHER				DATE INSTALLED 449									
SPILL AND OVERFILL (Check all that apply) <input type="checkbox"/> 1 SPILL CONTAINMENT <input type="checkbox"/> 2 DROP TUBE <input type="checkbox"/> 3 STRIKER PLATE				YEAR INSTALLED 450 Unknown				TYPE (local use only) 451 Unknown				OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452 <input type="checkbox"/> 1 ALARM <input type="checkbox"/> 3 FILL TUBE SHUT OFF VALVE <input type="checkbox"/> 2 BALL FLOAT <input type="checkbox"/> 4 EXEMPT	
IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)													
IF SINGLE WALL TANK (Check all that apply) 453 <input type="checkbox"/> 1 VISUAL (EXPOSED PORTION ONLY) <input type="checkbox"/> 5 MANUAL TANK GAUGING (MTG) <input type="checkbox"/> 2 AUTOMATIC TANK GAUGING (ATG) <input type="checkbox"/> 6 VADOSE ZONE <input type="checkbox"/> 3 CONTINUOUS ATG <input type="checkbox"/> 7 GROUNDWATER <input type="checkbox"/> 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING <input type="checkbox"/> 8 TANK TESTING <input checked="" type="checkbox"/> 99 OTHER							IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) 454 <input type="checkbox"/> 1 VISUAL (SINGLE WALL IN VAULT ONLY) <input type="checkbox"/> 2 CONTINUOUS INTERSTITIAL MONITORING <input type="checkbox"/> 3 MANUAL MONITORING						
IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE													
ESTIMATED DATE LAST USED (YR/MO/DAY) 455 Unknown				ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 Unknown gallons				TANK FILLED WITH INERT MATERIAL? 457 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS – TANK PAGE 2

TANKS
Tank 3

VI. PIPING CONSTRUCTION (Check all that apply)

Page 2 of 2

UNDERGROUND PIPING				ABOVEGROUND PIPING (none)				
SYSTEM TYPE	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input type="checkbox"/> 3. GRAVITY	458	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input type="checkbox"/> 3. GRAVITY	459
CONSTRUCTION	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 3. LINED TRENCH	<input type="checkbox"/> 99. OTHER	460	<input type="checkbox"/> 1. SINGLE WALL	<input checked="" type="checkbox"/> 95. UNKNOWN		462
MANUFACTURER	<input type="checkbox"/> 2. DOUBLE WALL	<input checked="" type="checkbox"/> 95. UNKNOWN		461	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 99. OTHER		463
MANUFACTURER <i>very old tank</i>					MANUFACTURER			
<input type="checkbox"/> 1. BARE STEEL	<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL	<input type="checkbox"/> 1. BARE STEEL	<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL		<input type="checkbox"/> 1. BARE STEEL	<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL		
<input type="checkbox"/> 2. STAINLESS STEEL	<input type="checkbox"/> 7. GALVANIZED STEEL	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> 2. STAINLESS STEEL		<input type="checkbox"/> 2. STAINLESS STEEL	<input type="checkbox"/> 7. GALVANIZED STEEL		
<input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS	<input type="checkbox"/> 99. Other	<input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS	<input type="checkbox"/> 8. FLEXIBLE (HDPE)		<input type="checkbox"/> 3. PLASTIC COMPATIBLE W/ CONTENTS	<input type="checkbox"/> 8. FLEXIBLE (HDPE)	<input type="checkbox"/> 99. OTHER	
<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE (HDPE)	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 9. CATHODIC PROTECTION		<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 9. CATHODIC PROTECTION		
<input type="checkbox"/> 5. STEEL W/COATING	<input type="checkbox"/> 9. CATHODIC PROTECTION	464	<input type="checkbox"/> 5. STEEL W/COATING		<input checked="" type="checkbox"/> 95. UNKNOWN			465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING (unknown)		ABOVEGROUND PIPING (none)	
SINGLE WALL PIPING 466		SINGLE WALL PIPING 467	
PRESSURIZED PIPING (Check all that apply):		PRESSURIZED PIPING (Check all that apply):	
<input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.		<input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.	
<input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST		<input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST	
<input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH)		<input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH)	
CONVENTIONAL SUCTION SYSTEMS		CONVENTIONAL SUCTION SYSTEMS (Check all that apply)	
<input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)		<input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM	
SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUND PIPING):		<input type="checkbox"/> 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)	
<input type="checkbox"/> 7. SELF MONITORING		SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):	
GRAVITY FLOW		<input type="checkbox"/> 7. SELF MONITORING	
<input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH)		GRAVITY FLOW (Check all that apply):	
		<input type="checkbox"/> 8. DAILY VISUAL MONITORING	
		<input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH)	
SECONDARILY CONTAINED PIPING		SECONDARILY CONTAINED PIPING	
PRESSURIZED PIPING (Check all that apply):		PRESSURIZED PIPING (Check all that apply):	
10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)		10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)	
<input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS		<input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS	
<input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION		<input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION	
<input type="checkbox"/> c. NO AUTO PUMP SHUT OFF		<input type="checkbox"/> c. NO AUTO PUMP SHUT OFF	
<input type="checkbox"/> 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION		<input type="checkbox"/> 11. AUTOMATIC LEAK DETECTOR	
<input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH)		<input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH)	
SUCTION/GRAVITY SYSTEM		SUCTION/GRAVITY SYSTEM	
<input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS		<input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS	
EMERGENCY GENERATORS ONLY (Check all that apply)		EMERGENCY GENERATORS ONLY (Check all that apply)	
<input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS		<input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS	
<input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION		<input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)	
<input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH)		<input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH)	
<input type="checkbox"/> 17. DAILY VISUAL CHECK		<input type="checkbox"/> 17. DAILY VISUAL CHECK	

VIII. DISPENSER CONTAINMENT (NA)

DISPENSER CONTAINMENT	<input type="checkbox"/> 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	<input type="checkbox"/> 4. DAILY VISUAL CHECK
DATE INSTALLED 468	<input type="checkbox"/> 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 5. TRENCH LINER / MONITORING
	<input type="checkbox"/> 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 6. NONE

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR <i>Earl Thompson, Jr.</i>	DATE 5-15-07	470
NAME OF OWNER/OPERATOR (print) Earl Thompson, Jr., Executor for the Estate of Earl Thompson Sr.	TITLE OF OWNER/OPERATOR	472

Permit Number (For local use only) 473	Permit Approved (For local use only) 474	Permit Expiration Date (For local use only) 475
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**UNIFIED PROGRAM CONSOLIDATED FORM
TANKS**

UNDERGROUND STORAGE TANKS - FACILITY

(one page per site) Page 1 of 1

TYPE OF ACTION (Check one item only)	<input type="checkbox"/> 1. NEW SITE PERMIT	<input type="checkbox"/> 3. RENEWAL PERMIT	<input type="checkbox"/> 5. CHANGE OF INFORMATION specify change local use only _____	<input type="checkbox"/> 7. PERMANENTLY CLOSED SITE	<input type="checkbox"/> 8. TANK REMOVED
	<input type="checkbox"/> 4. AMENDED PERMIT	<input type="checkbox"/> 6. TEMPORARY SITE CLOSURE	<i>Note: Very old tanks</i>		

OTHER: UST CLOSURE IN PLACE

400

I. FACILITY / SITE INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3 ESTATE OF EARL S. THOMPSON SR., (PROBATE N 6302)		FACILITY ID#	
NEAREST CROSS STREET BROADWAY AND 38TH STREET, OAKLAND, CA 401		FACILITY OWNER TYPE <input type="checkbox"/> 1. CORPORATION <input type="checkbox"/> 2. INDIVIDUAL <input type="checkbox"/> 3. PARTNERSHIP <input type="checkbox"/> 4. LOCAL AGENCY/DISTRICT* <input type="checkbox"/> 5. COUNTY AGENCY* <input type="checkbox"/> 6. STATE AGENCY* <input type="checkbox"/> 7. FEDERAL AGENCY* 402	
BUSINESS TYPE <input type="checkbox"/> 1. GAS STATION <input type="checkbox"/> 2. DISTRIBUTOR <input type="checkbox"/> 3. FARM <input type="checkbox"/> 4. PROCESSOR <input checked="" type="checkbox"/> 5. COMMERCIAL <input checked="" type="checkbox"/> 6. OTHER 403			
TOTAL NUMBER OF TANKS REMAINING AT SITE 3 (Three) 404	Is facility on Indian Reservation or trustlands? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 405	*If owner of UST is a public agency: name of supervisor of division, section or office which operates the UST (This is the contact person for the tank records.) 406	

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407 ESTATE OF EARL S. THOMPSON SR., (PROBATE N 6302)		PHONE 408 (925) 930-6600
MAILING OR STREET ADDRESS 409 C/O JOHN KORTUM, ARCHER NORRIS, 2033 N MAIN STREET, SUITE 800		
CITY 410 WALNUT CREEK	STATE 411 CA	ZIP CODE 412 94971
PROPERTY OWNER TYPE <input type="checkbox"/> 1. CORPORATION <input type="checkbox"/> 2. INDIVIDUAL <input type="checkbox"/> 3. PARTNERSHIP <input type="checkbox"/> 4. LOCAL AGENCY / DISTRICT <input type="checkbox"/> 5. COUNTY AGENCY <input type="checkbox"/> 6. STATE AGENCY <input type="checkbox"/> 7. FEDERAL AGENCY 413		

III. TANK OWNER INFORMATION

TANK OWNER NAME 414 ESTATE OF EARL S. THOMPSON SR., (PROBATE N 6302)		PHONE 415 (925) 930-6600
MAILING OR STREET ADDRESS 416 C/O JOHN KORTUM, ARCHER NORRIS, 2033 N MAIN STREET, SUITE 800		
CITY 417 WALNUT CREEK	STATE 418 CA	ZIP CODE 419 94971
TANK OWNER TYPE <input type="checkbox"/> 1. CORPORATION <input type="checkbox"/> 2. INDIVIDUAL <input type="checkbox"/> 3. PARTNERSHIP <input type="checkbox"/> 4. LOCAL AGENCY / DISTRICT <input type="checkbox"/> 5. COUNTY AGENCY <input type="checkbox"/> 6. STATE AGENCY <input type="checkbox"/> 7. FEDERAL AGENCY 420		

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44-	Call (916) 322-9669 if questions arise 421
----------------	--


V. PETROLEUM UST FINANCIAL RESPONSIBILITY

INDICATE METHOD(s) <input type="checkbox"/> 1. SELF-INSURED <input type="checkbox"/> 2. GUARANTEE <input type="checkbox"/> 3. INSURANCE <input type="checkbox"/> 4. SURETY BOND <input type="checkbox"/> 5. LETTER OF CREDIT <input type="checkbox"/> 6. EXEMPTION <input type="checkbox"/> 7. STATE FUND <input type="checkbox"/> 8. STATE FUND & CFO LETTER <input type="checkbox"/> 9. STATE FUND & CD <input type="checkbox"/> 10. LOCAL GOVT MECHANISM <input checked="" type="checkbox"/> 99. OTHER: (PROBATE N 6302) 422
--

VI. LEGAL NOTIFICATION AND MAILING ADDRESS

Check one box to indicate which address should be used for legal notifications and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked.	<input type="checkbox"/> 1. FACILITY <input checked="" type="checkbox"/> 2. PROPERTY OWNER <input type="checkbox"/> 3. TANK OWNER 423
--	---

VII. APPLICANT SIGNATURE

Certification - I certify that the information provided herein is true and accurate to the best of my knowledge.		
SIGNATURE OF APPLICANT 424 	DATE 424 5-15-07	PHONE 425 530-283-1956
NAME OF APPLICANT (print) 426 Earl Thompson, Jr., Executor for the Estate of Earl Thompson Sr.	TITLE OF APPLICANT 427	
STATE UST FACILITY NUMBER (For local use only) 428	1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429	

MAY 25 2007
ARCHER NORRIS

June 19, 2007

Mr. Jessie Kupers
Oakland Fire Department
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612



**SUBJECT: UNDERGROUND STORAGE TANK CLOSURE WORKPLAN FOR
316 38th STREET, OAKLAND, CA 94596**

Dear Mr. Kupers:

On behalf of the Estate of Earl Thompson Sr., SOMA Environmental Engineering, Inc., (SOMA) is pleased to submit this workplan to close-in-place three underground storage tanks (USTs), Tank 1 through 3, with capacities of 4,100 gallons, 5,000 gallons, and 2,100 gallons respectively. Figure 1 (Appendix A) illustrates the location of the above site (the Site). Since the removal might damage a building, its foundation, or adjacent structures, UST system closure-in-place is the only option available for the tank decommissioning at the Site. A letter from Basec (Bay Area Seismic Engineering and Construction), detailing why the UST system should be considered for closure-in-place, is attached for your review as Appendix B.

All work performed at the site will comply with the requirements of the Oakland Fire Department (OFD), Fire Prevention Bureau, California Health and Safety Code Division 20, Chapter 6.7, and California Code of Regulations Title 23, Division 3, Chapter 16. The work will be conducted under a valid permit issued by the OFD. At least three days prior to commencement of site work, OFD will be notified to schedule an onsite inspection during tank closure and sample collection.

1. SITE PREPARATION

SOMA will perform a site drawing review and consult with a private utility locator to identify the locations of all underground utilities in the vicinity of the UST. Underground Service Alert (USA) will be contacted 48 hours prior to the start of any field activities.

2. TANK CLEANING AND INERTING

The goal of tank closure is to demonstrate to the local agency that all residual amounts of the hazardous substance or hazardous substances which were stored in the tank system prior to its closure have been removed, properly disposed of, and neutralized.

SOMA will retain NRC Environmental Services to remove all residual amounts of hazardous substances, perform all appropriate tank decontamination, transport and dispose of all hazardous substances and rinsate, and properly fill the USTs. A valid State Contractor's License, a valid Hazardous Substance Removal Certificate, and Workman's Compensation Insurance for the above contractor are attached as Appendix C.

Prior to start of any field work, the area will be coned off for safety. All product/waste will be removed from the bottom of the tanks using an explosion proof pump that is properly grounded and bonded. The tanks will be triple rinsed with an inert substance to remove the remaining sludge and/or scale from the interior of the tank. The removed product, waste, and rinsate generated from the triple rinsing process will be handled in accordance with all applicable California hazardous waste disposal laws (disposed of at an authorized facility under proper manifest procedures by a transporter licensed in the State of California).

If the tank will need to be inerted, dry ice shall be placed into the cleaned tanks at a minimum ration of 15 pounds per 1000 gallons of tank volume. The dry ice shall be evenly distributed over the tank bottoms. The oxygen level in the tank will be reduced to below 10%. All openings on the tanks shall then be tightly sealed, except for a 1/8-inch vent hole in a bung cap, to allow for temperature expansion.

Tanks will be filled with 3 to 6 sack slurry mix with pea gravel and cement, or as required by the OFD. Onsite staff and OFD shall oversee all field work activities, and observations shall be noted in the final report.

3. SOIL SAMPLING AND ANALYSIS

Soil and groundwater samples will be collected as per requirements of California Health and Safety Code (Division 20, Chapter 6.7, Section 25298) to verify the integrity of the decommissioned USTs, and ensure that leaks have not occurred. An OFD inspector shall witness all soil/groundwater sampling.

For a tank sized from 1,000 to 10,000 gallons, at least two slant borings will be advanced at each end of the tank, and one boring as close to midpoint of each tank as possible. Soil samples will be collected at a depth of one to two feet beneath the tanks from the native material. All samples will be collected in accordance with the California Code of Regulations (§ 2649). Figure 1 (Appendix A) shows the proposed locations of the confirmation sampling boreholes.

Based on the review of the available groundwater monitoring data gathered in the vicinity of said USTs, it was determined that depth to groundwater in the general vicinity of the site is between 11.5 and 12.5 feet below ground surface. If any groundwater is encountered at the time of drilling, each temporary well borehole will be purged and allowed to refill before sampling. All purged water will be properly disposed of at an approved facility.

After collection, the samples will be labeled, placed in an ice-filled cooler and submitted for analysis, under proper chain-of custody (COC) protocol, to Curtis & Tompkins, Ltd., a California Department of Health Services accredited environmental laboratory. Soil and groundwater samples will be analyzed in accordance with the recommended minimum verification analysis for underground tank leaks. A table summarizing the verification analysis requirements is attached as Appendix D. In May of 2004 SOMA's field crew collected two grab samples from the Tanks 1 and 3, which upon inspection appeared to have some remaining residual substance. The samples were submitted for analysis, under proper chain-of custody (COC) protocol, to Curtis & Tompkins. The samples were analyzed for TPH-g, TPH-d and TPH-mo using EPA Method 8015 (with silica gel cleanup); for BTEX using EPA Method 8021B; and for volatile organics and gasoline oxygenates using EPA Method 8260B (full list). COC and the laboratory analytical report are attached as Appendix D.

4. HEALTH AND SAFETY PLAN

SOMA has prepared a site-specific Health and Safety Plan (HASP) that complies with 29 CFR 1910.120 and Cal OSHA regulations. HASP is included in Attachment E and will be available at the job site at all times.

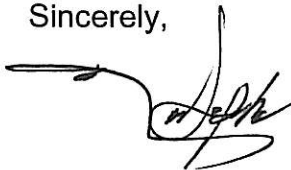
5. REPORT

Documentation of proper disposal of all contaminated rinsate, discarded product, analytical results, and all the required forms shall be provided to OFD no later than thirty days from receipt by SOMA.

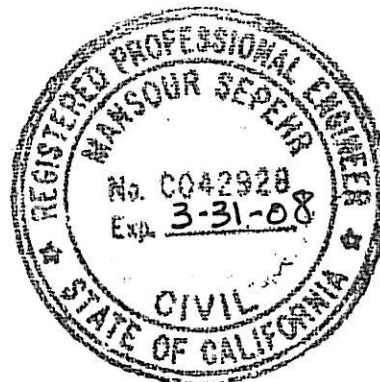
6. CLOSURE

If OFD determines that additional remediation or investigation is warranted, SOMA will prepare and submit a work plan for subsequent actions. If, based on analytical data and site observations, OFD determines no further action is necessary, the tank/facility closure will be warranted. If you have any questions with regard to this workplan, please contact me at any time.

Sincerely,



Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist



cc: Mr. Earl Thompson, Jr., Executor for the Estate of Earl Thompson Sr.,
w/enclosure
Mr. John Kortum, Archer Norris, w/enclosure

Appendix A

Site Map

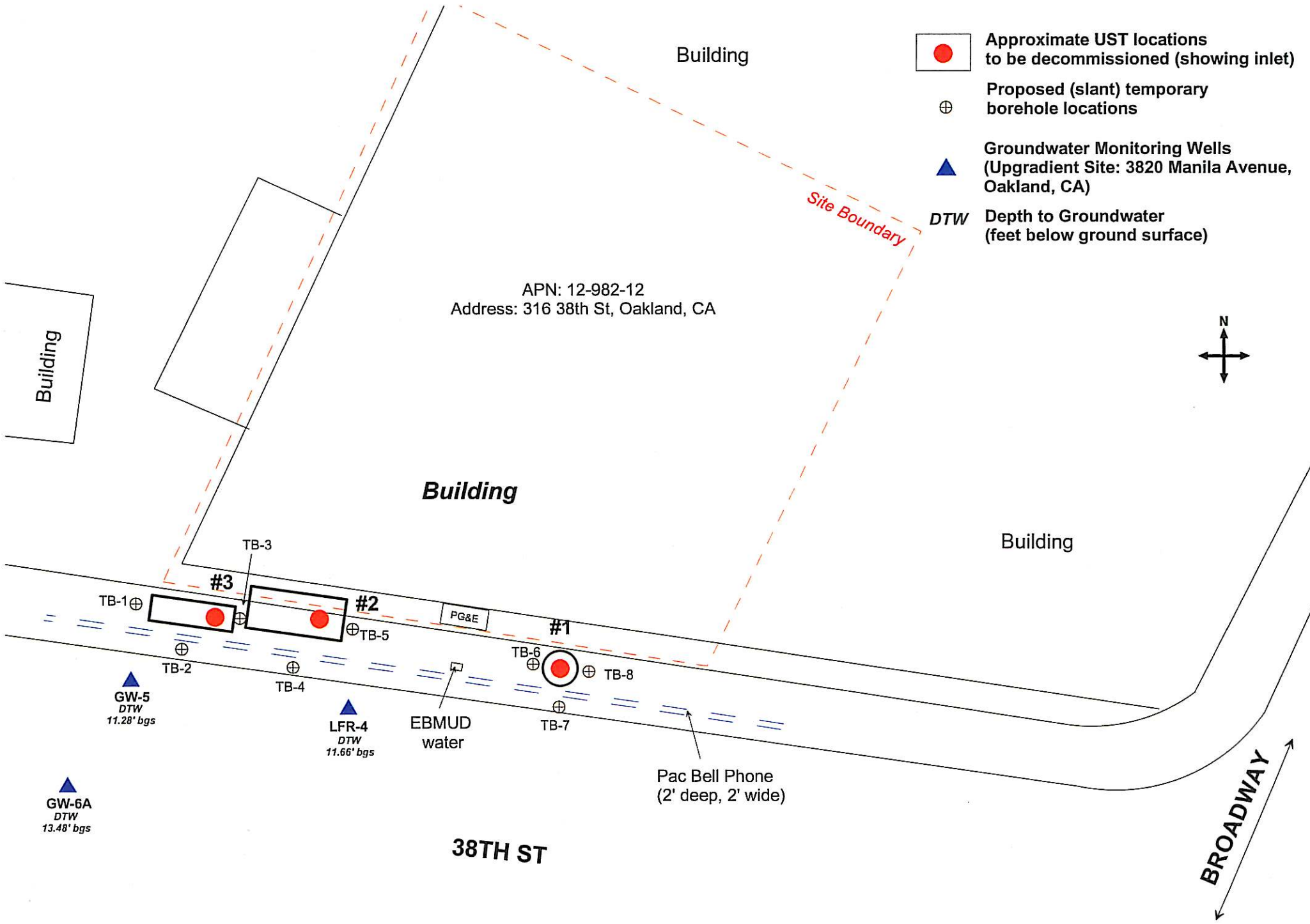
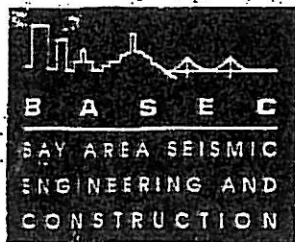


Figure 1: Map showing approximate UST locations and proposed borehole locations (soil sampling plan).

Appendix B
Letter from Basec
(Bay Area Seismic Engineering and Construction)



March 21, 1996

Mr. Earl W. Thompson
Thompson Exhibits
P.O. Box 213
Meadow Valley, CA 95956

RE: 316 38th Street, Oakland

Dear Mr. Thompson:

Please consider the following text in a letter regarding the underground tanks.

We are preparing to perform a seismic upgrade on the two story, unreinforced masonry structure at 316 38th Street, Oakland. The building is built to the property line. The building is founded on spread foundations at shallow depth. The masonry is cracked, probably by previous seismic events and possibly also due to foundation settlement.

We are advised that there exist four underground tanks beneath the sidewalk. The environmental consultant, The Sutton Group, has investigated the tanks and determined that one tank extends to approximately 25 feet depth, and the others to from six to fourteen feet depth. The owner states that these tanks will be closed following our seismic upgrade.

The usual practice to close underground tanks is to remove them from the ground. A pit is excavated with the use of shoring. The pile driver often causes damage to nearby masonry. With this building, the tanks are quite close to the foundations. It is our experience that the shoring used is flexible and always results in some lateral earth movement. This movement usually is sufficient to damage the building foundations and walls, even after the seismic upgrade has been performed.

pg.1

1368 PARK AVENUE
EMERYVILLE
CALIFORNIA 94608
TEL: 510.547.8700
FAX: 510.547.2573

LICENSED • BONDED • INSURED

pg.2
(cont.)

"We therefore recommend that these tanks be permitted to be closed without excavating them."

If you have any further questions please do not hesitate to contact me. Thank you.

Sincerely,


A handwritten signature in black ink, appearing to read 'Sol Shaolian', written over a horizontal line.

Sol Shaolian, M.S., P.E.
President

SS/la
31638th.le1

Appendix C

Contractors Licensing and Documentation

	State Of California CONTRACTORS STATE LICENSE BOARD ACTIVE LICENSE	
License Number	716581	Entity CORP
Business Name	NRC ENVIRONMENTAL SERVICES INC	
License Class	A HAZ	
Expiration Date	12/31/2007	



STATE OF CALIFORNIA

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

NRC ENVIRONMENTAL SERVICES INC

to engage in the business or act in the capacity of a contractor
in the following classification(s):

**A - GENERAL ENGINEERING CONTRACTOR
HAZ - HAZARDOUS SUBSTANCES REMOVAL**

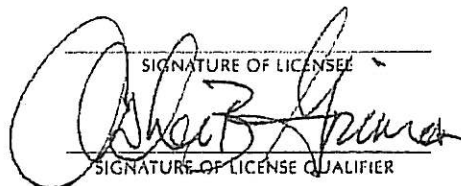
Witness my hand and seal this day,

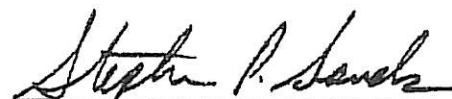
March 27, 2006

Issued December 20, 1995

REPLACEMENT

This license is the property of the Registrar of Contractors,
is not transferrable, and shall be returned to the Registrar
upon demand when suspended, revoked, or invalidated
for any reason. It becomes void if not renewed.

SIGNATURE OF LICENSEE

SIGNATURE OF LICENSE QUALIFIER


Stephen P. Sands
Registrar of Contractors

716581

License Number

BENFIELD



CERTIFICATE OF LIABILITY INSURANCE

11/2/2006

PRODUCER: BENFIELD CORPORATE RISK ONE NEW YORK PLAZA, SUITE 3210 NEW YORK, NY 10004		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
		COMPANIES AFFORDING COVERAGE			
		COMPANY A	ZURICH AMERICAN INSURANCE COMPANY		
		COMPANY B	AMERICAN ZURICH INSURANCE COMPANY		
INSURED: NRC Environmental Services Inc. 1605 Ferry Point Alameda, CA 94501		COMPANY C	STEADFAST INSURANCE COMPANY		
		COMPANY D	SIGNAL MUTUAL INDEMNITY ASSOCIATION LIMITED		
		COMPANY E	UNITED STATES FIDELITY AND GUARANTY CO.		
		COMPANY F	STEADFAST INSURANCE COMPANY		
		COMPANY G	FIREMANS FUND		
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCES LISTED HEREIN HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, CONDITIONS AND EXCLUSIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.					
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIAB. <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR. <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT.	GLO 9009313	11/1/2006	11/1/2007	GENERAL AGGREGATE \$ 1,000,000 PRODUCTS-COMP/OP AGG \$ 1,000,000 PERSONAL & ADV INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (ANY ONE FIRE) \$ 100,000 MED. EXP. (ANY ONE PERSON) \$ 5,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	BAP 9009314	11/1/2006	11/1/2007	COMBINED SINGLE LIMIT (each) \$ 1,000,000 BODILY INJURY (per person) BODILY INJURY (per accident) PROPERTY DAMAGE (per accident)
C	EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR.	SEO 9029881	11/1/2006	11/1/2007	EACH OCCURRENCE \$ 10,000,000 EXCESS OF UNDERLYING
D	U.S. LONGSHORE & HARBOR WORKERS (Compensation Risks)	21400	10/1/2006	10/1/2007	<input checked="" type="checkbox"/> STATUTORY <input type="checkbox"/> OTHER
E	WORKERS' COMPENSATION AND EMPLOYERS LIABILITY THE PROPRIETOR / PARTNERS / EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCLUDED <input type="checkbox"/> EXCLUDED	D274W00279	10/1/2006	10/1/2007	<input checked="" type="checkbox"/> STATUTORY <input type="checkbox"/> OTHER EL EACH ACCIDENT \$ 1,000,000 EL DISEASE - EACH EMPLOYEE \$ 1,000,000 EL DISEASE - POLICY LIMIT \$ 1,000,000
F	CONTRACTORS POLLUTION / E&O	PEC 9009310	11/1/2006	11/1/2007	LIMIT (ANY ONE OCCURRENCE) \$ 1,000,000
G	CONTRACTORS EQUIPMENT	MXI97124443	2/20/2006	2/20/2007	LIMIT (ANY ONE OCCURRENCE) \$ 1,657,354
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS: RE: Evidence of Insurance					

CERTIFICATE HOLDER To Whom It May Concern	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE BY: Sherrie Boalman
---	---

POST IN A
CONSPICUOUS
PLACE

BUSINESS TAX CERTIFICATE

CITY OF OAKLAND



The issuing of a Business Tax Certificate is for revenue purposes only. It does not relieve the taxpayer from the responsibility of complying with the requirements of any other agency of the City of Oakland and/or any other ordinance, law or regulation of the State of California, or any other governmental agency. The Business Tax Certificate expires on December 31st of each year. Per Section 5.04.190A, of the O.M.C., you are allowed a renewal grace period until March 1st of the following year.

EXPIRES
DECEMBER 31, 2007

ACCOUNT NUMBER	3122344
BUSINESS NAME	SOMA ENVIRONMENTAL ENGINEERING INC.
ADDRESS	6620 OWENS DR SUITE A PLEASANTON, CA 94588-3334
BUSINESS CLASSIFICATION	MANAGEMENT, CONSULTING & PUBLIC RELATIONS

FOLD AT PERFORATION

***YOU MAY BE REQUIRED TO OBTAIN A VALID ZONING CLEARANCE TO OPERATE YOUR
BUSINESS LEGALLY. RENTAL OF REAL PROPERTY EXCLUDED.***



P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

ISSUE DATE: 06-13-2007

GROUP:
POLICY NUMBER: 1316400-2006
CERTIFICATE ID: 26
CERTIFICATE EXPIRES: 08-01-2007
08-01-2006/08-01-2007

EARL THOMPSON JR
EXECUTOR OF THE ESTATE OF EARL THOMPSON SR
316 38TH ST
OAKLAND CA 94609-2704

NB

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon 30 days advance written notice to the employer.

We will also give you 30 days advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policy listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or to which it may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions, and conditions, of such policy.

AUTHORIZED REPRESENTATIVE
PRESIDENT

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: \$1,000,000 PER OCCURRENCE.

ENDORSEMENT #1600 - MANSOUR SEPEHR PRESIDENT - EXCLUDED.

ENDORSEMENT #2065 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 08-01-2001 IS
ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

SOMA ENVIRONMENTAL ENGINEERING, INC.
6620 OWENS DR STE A
PLEASANTON CA 94588

NB

Appendix D
Verification Analysis Requirement
And Laboratory Analytical Data

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

For Use by Unidocs Member Agencies or where approved by your Local Jurisdiction

TABLE #2
REVISED 1 MARCH 1999

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u> (SW-846 METHOD)		<u>WATER ANALYSIS</u> (Water/Waste Water Method)	
Gasoline (Leaded and Unleaded)	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and		524.2/624 (8260) for water	
	TOTAL LEAD	AA	TOTAL LEAD	AA
	--Optional--			
Unknown Fuel	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and		524.2/624 (8260) for water	
Diesel, Jet Fuel, Kerosene, and Fuel/Heating Oil	TOTAL LEAD	AA	TOTAL LEAD	AA
	--Optional--			
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
Chlorinated Solvents	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and		524.2/624 (8260) for water	
	CL HC	8260	CL HC	524.2/624 (8260)
Nonchlorinated Solvents	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
Waste, Used, or Unknown Oil	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and		524.2/624 (8260) for water	
	METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil water			
	PCB*, PCP*, PNA, CREOSOTE by 8270 for soil and		524/625 (8270) for water	
			If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)	

NOTES:

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001).

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T

LOGIN #

Analyses

Project No: 2720

Project Name: Broadway - Oakland

Project P.O.:

Turnaround Time: *Standard*

Sampler: Tony Arias / Mexican House 25

Report To: *Tommy Nelson*

Company: SOMA ENVIRONMENTAL

Telephone: 725-244-6600

Fax: 925-244-6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					Field Notes	TPH base	TPH mo	base slt	base ok	Full base	TPH ses
			Soil	Water	Waste		HCL	H ₂ SO	HNO ₃	ICE	none							
For ratory Use Laboratory	TRAK 1	5/10/04 1:35P	✓			6000/1000	✓			✓	✓	Grab Sample	✓	✓	✓	✓	✓	✓
	TRAK 3	5/10/04 2PM	✓			6000/1000	✓			✓	✓	Grab Sample	✓	✓	✓	✓	✓	

Notes:

output requires

Received Cold + Intact

RELINQUISHED BY:

Tony Davis
5/10/04
DATE/TIME

Tony Davis
4:15 PM
DATE/TIME

RECEIVED BY:

ZAVANNA
5/10/04
DATE/TIME

Signature

Total Volatile Hydrocarbons

Lab #:	172212	Location:	Broadway - Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2720	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/10/04
Units:	ug/L	Received:	05/10/04
Batch#:	91017		

Field ID: TANK 1 Diln Fac: 50.00
 Type: SAMPLE Analyzed: 05/12/04
 Lab ID: 172212-001

Analyte	Result	RL
Gasoline C7-C12	180,000 H Y	2,500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	74-142
Bromofluorobenzene (FID)	157 *	80-139

Field ID: TANK 3 Diln Fac: 1.000
 Type: SAMPLE Analyzed: 05/12/04
 Lab ID: 172212-002

Analyte	Result	RL
Gasoline C7-C12	93 H Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	74-142
Bromofluorobenzene (FID)	96	80-139

Type: BLANK Diln Fac: 1.000
 Lab ID: QC250658 Analyzed: 05/11/04

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	74-142
Bromofluorobenzene (FID)	88	80-139

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Total Extractable Hydrocarbons

Lab #: 172212	Location: Broadway - Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3520C
Project#: 2720	Analysis: EPA 8015B
Matrix: Water	Sampled: 05/10/04
Units: ug/L	Received: 05/10/04
Batch#: 90995	Prepared: 05/10/04

Field ID: TANK 1	Diln Fac: 20.00
Type: SAMPLE	Analyzed: 05/13/04
Lab ID: 172212-001	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	53,000 L Y	1,000
Motor Oil C24-C36	ND	6,000

Surrogate	%REC	Limits
Hexacosane	DO	53-142

Field ID: TANK 3	Diln Fac: 1.000
Type: SAMPLE	Analyzed: 05/12/04
Lab ID: 172212-002	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	53-142

Type: BLANK	Analyzed: 05/12/04
Lab ID: QC250567	Cleanup Method: EPA 3630C
Diln Fac: 1.000	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	109	53-142

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Purgeable Organics by GC/MS

Lab #: 172212	Location: Broadway - Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2720	Analysis: EPA 8260B
Field ID: TANK 1	Sampled: 05/10/04
Lab ID: 172212-001	Received: 05/10/04
Matrix: Water	Analyzed: 05/12/04
Units: ug/L	

Analyte	Result	RL	Diln Fac	Batch#
Freon 12	ND	170	16.67	91013
Chloromethane	ND	170	16.67	91013
Vinyl Chloride	ND	170	16.67	91013
Bromomethane	ND	170	16.67	91013
Chloroethane	ND	170	16.67	91013
Trichlorofluoromethane	ND	83	16.67	91013
Acetone	1,500	330	16.67	91013
Freon 113	ND	83	16.67	91013
1,1-Dichloroethene	ND	83	16.67	91013
Methylene Chloride	ND	330	16.67	91013
Carbon Disulfide	ND	83	16.67	91013
MTBE	ND	8.3	16.67	91013
trans-1,2-Dichloroethene	ND	83	16.67	91013
Vinyl Acetate	ND	830	16.67	91013
1,1-Dichloroethane	ND	83	16.67	91013
2-Butanone	ND	170	16.67	91013
cis-1,2-Dichloroethene	ND	83	16.67	91013
2,2-Dichloropropane	ND	83	16.67	91013
Chloroform	ND	83	16.67	91013
Bromochloromethane	ND	170	16.67	91013
1,1,1-Trichloroethane	ND	83	16.67	91013
1,1-Dichloropropene	ND	83	16.67	91013
Carbon Tetrachloride	ND	83	16.67	91013
1,2-Dichloroethane	20	8.3	16.67	91013
Benzene	ND	83	16.67	91013
Trichloroethene	ND	83	16.67	91013
1,2-Dichloropropane	ND	83	16.67	91013
Bromodichloromethane	ND	83	16.67	91013
Dibromomethane	ND	83	16.67	91013
4-Methyl-2-Pentanone	ND	170	16.67	91013
cis-1,3-Dichloropropene	ND	83	16.67	91013
Toluene	ND	83	16.67	91013
trans-1,3-Dichloropropene	ND	83	16.67	91013
1,1,2-Trichloroethane	ND	83	16.67	91013
2-Hexanone	ND	170	16.67	91013
1,3-Dichloropropane	ND	83	16.67	91013
Tetrachloroethene	ND	83	16.67	91013
Dibromochloromethane	ND	83	16.67	91013

ND= Not Detected

RL= Reporting Limit

Page 1 of 2

Purgeable Organics by GC/MS

Lab #:	172212	Location:	Broadway - Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2720	Analysis:	EPA 8260B
Field ID:	TANK 1	Sampled:	05/10/04
Lab ID:	172212-001	Received:	05/10/04
Matrix:	Water	Analyzed:	05/12/04
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#
1,2-Dibromoethane	ND	8.3	16.67	91013
Chlorobenzene	ND	83	16.67	91013
1,1,1,2-Tetrachloroethane	ND	83	16.67	91013
Ethylbenzene	ND	83	16.67	91013
m,p-Xylenes	250	83	16.67	91013
o-Xylene	150	83	16.67	91013
Styrene	ND	83	16.67	91013
Bromoform	ND	83	16.67	91013
Isopropylbenzene	ND	83	16.67	91013
1,1,2,2-Tetrachloroethane	ND	83	16.67	91013
1,2,3-Trichloropropane	ND	83	16.67	91013
Propylbenzene	270	83	16.67	91013
Bromobenzene	ND	83	16.67	91013
1,3,5-Trimethylbenzene	640	83	16.67	91013
2-Chlorotoluene	ND	83	16.67	91013
4-Chlorotoluene	ND	83	16.67	91013
tert-Butylbenzene	ND	83	16.67	91013
1,2,4-Trimethylbenzene	1,300	130	25.00	91046
sec-Butylbenzene	170	83	16.67	91013
para-Isopropyl Toluene	180	83	16.67	91013
1,3-Dichlorobenzene	ND	83	16.67	91013
1,4-Dichlorobenzene	ND	83	16.67	91013
n-Butylbenzene	140	83	16.67	91013
1,2-Dichlorobenzene	ND	83	16.67	91013
1,2-Dibromo-3-Chloropropane	ND	83	16.67	91013
1,2,4-Trichlorobenzene	ND	83	16.67	91013
Hexachlorobutadiene	ND	83	16.67	91013
Naphthalene	ND	83	16.67	91013
1,2,3-Trichlorobenzene	ND	83	16.67	91013

Surrogate	%REC	Limits	Diln Fac	Batch#
Dibromofluoromethane	95	80-120	16.67	91013
1,2-Dichloroethane-d4	101	80-124	16.67	91013
Toluene-d8	101	80-120	16.67	91013
Bromofluorobenzene	103	80-120	16.67	91013

Purgeable Organics by GC/MS

Lab #: 172212	Location: Broadway - Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2720	Analysis: EPA 8260B

Field ID: TANK 3	Batch#: 91046
Lab ID: 172212-002	Sampled: 05/10/04
Matrix: Water	Received: 05/10/04
Units: ug/L	Analyzed: 05/12/04
Diln Fac: 1.000	

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	0.5
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	172212	Location:	Broadway - Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2720	Analysis:	EPA 8260B
Field ID:	TANK 3	Batch#:	91046
Lab ID:	172212-002	Sampled:	05/10/04
Matrix:	Water	Received:	05/10/04
Units:	ug/L	Analyzed:	05/12/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	98	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-120

Gasoline Oxygenates by GC/MS

Lab #: 172212	Location: Broadway - Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2720	Analysis: EPA 8260B
Matrix: Water	Sampled: 05/10/04
Units: ug/L	Received: 05/10/04

Field ID: TANK 1	Diln Fac: 16.67	
Type: SAMPLE	Batch#: 91013	
Lab ID: 172212-001	Analyzed: 05/12/04	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	250	170
MTBE	ND	8.3
Isopropyl Ether (DIPE)	ND	8.3
Ethyl tert-Butyl Ether (ETBE)	ND	8.3
Methyl tert-Amyl Ether (TAME)	ND	8.3
1,2-Dichloroethane	20	8.3
1,2-Dibromoethane	ND	8.3
Ethanol	ND	17,000

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	101	80-124
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-120

Field ID: TANK 3	Diln Fac: 1.000	
Type: SAMPLE	Batch#: 91046	
Lab ID: 172212-002	Analyzed: 05/12/04	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	98	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-120

Gasoline Oxygenates by GC/MS

Lab #: 172212	Location: Broadway - Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2720	Analysis: EPA 8260B
Matrix: Water	Sampled: 05/10/04
Units: ug/L	Received: 05/10/04

Type: BLANK	Batch#: 91013
Lab ID: QC250645	Analyzed: 05/11/04
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	99	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-120

Type: BLANK	Batch#: 91013
Lab ID: QC250646	Analyzed: 05/11/04
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	98	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-120

Gasoline Oxygenates by GC/MS

Lab #: 172212	Location: Broadway - Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2720	Analysis: EPA 8260B
Matrix: Water	Sampled: 05/10/04
Units: ug/L	Received: 05/10/04

Type: BLANK	Batch#: 91046
Lab ID: QC250766	Analyzed: 05/12/04
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	98	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-120

Type: BLANK	Batch#: 91046
Lab ID: QC250767	Analyzed: 05/12/04
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	94	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-120

Appendix E

HASP

SITE HEALTH & SAFETY PLAN

1.0 PURPOSE

This site health and safety plan outlines health and safety procedures that shall be followed during fieldwork conducted at the site. The observance and practice of the procedures in this plan are mandatory for all SOMA employees at the site. All subcontractors shall be made aware of the requirements of this plan; however, subcontractors are responsible for the health and safety of their own employees and for following all applicable federal, state, and local regulations.

The material and data in this report were prepared under the supervision and direction of the undersigned. This report was prepared consistent with the current regulations and generally accepted geologic and environmental consulting principles and practices that are within the limitations provided within.

Prior to entering the site, SOMA personnel shall read this plan and be familiar with the health and safety procedures required when working on-site. A copy of the plan shall be available on-site at all times for inspection and review.

2.0 ADMINISTRATIVE INFORMATION

Project Number: **2722**

Project Start Date: UNKNOWN

Project Address: **316 38th Street, Oakland, CA**

Client: Earl Thompson Jr., Executor for the Estate of Earl Thompson Sr.

Client Contact: 2033 N Main Street, Suite 800, Walnut Creek, CA 94596

Telephone Number: (925)930-6600

Project Manager: **Mansour Sepehr, P.E.**

Telephone Number: (925) 734-6400

Project Health & Safety Officer: **Mathew Spielmann**

Telephone Number: (925) 734-6400

Site Safety Officer: **Elizabeth Hightower**

Telephone Number: (925) 734-6400

3.0 PROJECT DESCRIPTION

3.1 Site Physical Description:

The subject site area is located at 316 38th Street, Oakland, California, between Manila Avenue and Broadway. There are three underground storage tanks (USTs) owned by Earl Thompson, Jr., (Estate of Earl S. Thompson, Plumas County Superior Court Probate No 6302) under the sidewalk on 38th Street. The volumes of the USTs are reported as ranging from approximately 2,100 gallons to 5,000 gallons.

In August 1997, there were six USTs abandoned in-place by backfilling with either cement-sand slurry or pea gravel, at 3815 Broadway Street (Glovatorium, site adjacent to the subject property). Two USTs were located under the sidewalk on 38th Street and three USTs were located inside the neighboring building, known as the Glovatorium. The volumes of the USTs have been variously reported as ranging from 800 gallons to 5,000 gallons. They reportedly contained Stoddard solvent, fuel oil and possibly waste oil. In addition, a 54-inch inside-diameter storm drain culvert passes under the Glovatorium, from Manila Avenue on the west to 38th Street on the south. The depth of the storm drain invert is approximately 8.5 feet under the sidewalk on the eastern side of Manila Avenue and approximately 13.2 feet below ground surface (bgs) at the far end, approximately 60 feet south of GW-4.

The surrounding properties are primarily commercial, businesses and residential housing. TOSCO Marketing Company (TOSCO) is located north and upgradient of the Site, at 40th Street and Broadway and contains a number of groundwater monitoring wells. The groundwater monitoring wells are currently monitored on a semi-annual basis. Past groundwater monitoring events have indicated the presence of VOCs and petroleum hydrocarbons in the groundwater beneath the subject property areas.

3.2 Site History:

In August 1997, Geosolv, LLC (Geosolv) initiated the first soil and groundwater investigation at the Glovatorium site.

In July 1999, based on the request of the ACEHS, an investigation of potential groundwater preferential flow paths was initiated by LFR. LFR drilled ten soil borings (GW-1 through GW-8, GW-5A, and GW-6A) primarily along the 54-inch diameter storm drain and sanitary sewer systems to depths ranging from 8 to 20 feet bgs using a direct push drilling method. During drilling operations, soil samples were collected from various depth intervals. In August 1999, LFR collected grab groundwater samples from seven of the nine "GW" wells.

In January and April 2000, LFR conducted quarterly groundwater monitoring events at the site. During the groundwater monitoring events, groundwater elevations were measured in the temporary sampling points installed by LFR and

Geolsolv, and in off-site wells MW-8, MW-9 and MW-11 owned by TOSCO. Groundwater samples were collected from the temporary sampling points installed by LFR and from off-site well MW-11.

In July and August 2000, LFR installed four groundwater monitoring wells, namely LFR-1 through LFR-4, and conducted the Third Quarter 2000 groundwater monitoring event.

After receiving approval of the workplan on August 27, 2001, SOMA installed five groundwater monitoring wells, SOMA-1 through SOMA-5, at the site on October 4, 11 and 12, 2001. During the installation of the groundwater monitoring wells, boreholes were continuously logged and soil samples were collected at 5-foot depth intervals. The objective of this investigation was to delineate the vertical extent of soil and groundwater contamination and install larger diameter monitoring wells at the suspected chemical source areas in order to collect more reliable bioattenuation parameters (i. e., DO) in the groundwater.

3.3 Type of Field Activities:

Abandonment of the three USTs in-place by backfilling with cement-sand slurry.

3.4 Identified Areas of Concern and Media Affected:

Field activities – Fuel hydrocarbons in vapor, soil, and water. Heavy equipment. Noise and heat. Possible increased PPE and associated safety issues. In addition, utilities–Natural gas and electrical hazards.

3.5 Hazardous Substances Known or Suspected at Site:

<u>CHEMICAL</u>	<u>MEDIA</u>	<u>CONCENTRATION*</u> (µg/L)	<u>ROUTES OF EXPOSURE</u>
Gasoline	Tank Content	180,000 (Tank 1)	Ingestion/Dermal/Inhalation
Acetone	Tank Content	1,500 (Tank 1)	Ingestion/Dermal/Inhalation
Benzene	Tank Content	<5.0	Ingestion/Dermal/Inhalation
Toluene	Tank Content	<5.0	Ingestion/Dermal/Inhalation
Ethylbenzene	Tank Content	<5.0	Ingestion/Dermal/Inhalation
Xylenes	Tank Content	400 (Tank 1)	Ingestion/Dermal/Inhalation

*Obtained from SOMA sampling event 05/10/04.

3.6 Potential Physical Hazards at Site:

GENERAL SAFETY HAZARDS:

Lifting of heavy objects may be required, all personnel should be aware of proper lifting techniques and seek assistance with heavy or awkward loads. All personnel should be aware of the location of loads being lifted and should remain clear of lifting areas. Work in residential driveways will be properly cordoned to alert and control vehicular and pedestrian traffic.

OVERHEAD POWER LINES:

Standard electrical, telephone, and cable television overhead service is found in the area.

The following are minimum clearances for overhead high voltage lines.

<u>Normal Voltage</u> <u>(phase to phase)</u>				<u>Minimum Required</u> <u>Clearance (feet)</u>
more than	750	-	50,000	10
more than	50,000	-	75,000	11
more than	75,000	-	125,000	13
more than	125,000	-	175,000	15
more than	250,000	-	379,000	21
more than	370,000	-	550,000	27
more than	550,000	-	1,000,000	42

(Reference: CCR Title 8, Section 2946, Table II)

Whenever possible, avoid working under overhead high voltage lines.

NOISE HAZARDS:

Wear hearing protection when working near large heavy equipment, such as drill rigs or excavators, or in other noisy conditions.

HEAT STRESS:

Heat stroke is an extremely serious situation caused by the failure of the body's internal mechanism to regulate its core temperature. It's a condition that can result in death. To prevent the overheating, employees will be advised to: wear lightweight clothing that allows moisture to evaporate quickly and drink plenty of fluids to prevent dehydration. In addition to these preventive measures, the on-site work will be scheduled early in the day in attempt to avoid heavy physical activity during the hottest parts of the day.

UTILITY LOCATION:

All underground utilities (electrical, gas, water, sewer, and phone) will be located by the independent contractor and marked out prior to the UST decommissioning and confirmation sampling activities.

UTILITY LOCATION:

All underground utilities (electrical, gas, water, sewer, and phone) will be located by the independent contractor and marked out prior to the UST decommissioning and confirmation sampling activities.

MANAGEMENT OF SOIL AND GROUNDWATER

All excavated soil and purged well water must be managed to avoid presenting a hazard to the community or the environment.

Drums: Soil or groundwater placed in drums shall be labeled with their actual contents

All drums should be labeled as follows:

- Description of Contents (e. g., soil, water)
- Boring Identification
- Date of Boring
- Consulting Company Name
- 24-Hour Contact Phone Number

FLAMMABLE HAZARDS

When a UST system that held a flammable substance is being removed, every precaution should be taken to prevent flammable and explosive conditions that may endanger the public. Flammable or explosive conditions could develop during any phase of the UST system removal activities, including venting, rinsing, and purging/inerting.

UST REMOVAL EQUIPMENT

Non-sparking tools should be used during removal activities because explosive conditions can exist outside of the UST. The approval of the local fire department will be obtained if the UST needs to be cut open to remove the waste, and/or be cleaned.

MONITORING EQUIPMENT

The proper equipment to monitor flammable and explosive conditions will be selected. Precautions shall be taken to eliminate ignition sources. Ignition sources include sparking equipment, static electricity, open flame, and smoking.

PRECAUTIONS

- a. When removing a UST system that previously held a flammable product, always be aware that the UST's excavation may trap flammable gases and/or liquids. If the UST system leaked flammable liquids during its use, the backfill or native soil below or next to the UST system may be contaminated (even saturated) with the flammable liquid.
- b. When a UST system that held a flammable liquid is removed from inside a building or structure, flammable gases may be trapped in the structure and create flammable or explosive conditions. The facility should be well ventilated during the UST removal activities. If potentially explosive or flammable conditions exist in a building or structure despite the precautions taken, evacuate the structure and notify the local fire department.

4.0 PRIMARY RESPONSIBILITIES

4.1 Project Manager:

The Project Manager (PM) will:

1. Make the Project Health and Safety Officer aware of all pertinent project developments and plans;
2. Make available the resources that are necessary for a safe working environment; and
3. Maintain communications with the client, as necessary.

4.2 Project Health and Safety Officer:

The Project Health and Safety Officer (PHSO) will:

1. Direct all health and safety aspects of activities conducted by SOMA personnel at the site and vicinity;
2. Ensure that all SOMA personnel and subcontractors have received required training, are aware of the potential hazards associated with site operation, have been instructed in the work practices necessary for personal health and safety, and are familiar with the site health and safety plan's procedures for all scheduled activities and for dealing with emergencies;
3. Direct required exposure monitoring to assess site health and safety conditions;
4. Prepare any accident/incident reports;
5. Modify the site health and safety plan as required, based on accidents/incidents and findings regarding personnel exposures and work practices; and
6. Report all accidents/incidents and findings regarding personnel exposure and work practices to the Project Manager.

4.3 Site Safety Officer:

The Site Safety Officer (SSO) will:

1. Ensure that appropriate personal protective equipment is available for SOMA site personnel and enforce proper utilization of personal protective equipment by all on-site SOMA personnel;

2. Observe subcontractor's procedures with respect to health and safety, with guidance from the PHSO. If the SSO believes that a subcontractor's personnel are or may be exposed to an immediate health hazard, the SSO shall suspend the subcontractor's site work. If the subcontractor's personnel do not have required protective equipment, the SSO shall consult with the PM or PHSO before proceeding with the work;
3. Implement the project health and safety plan and report any observed deviations from anticipated site conditions anticipated in the plan;
4. Conduct site safety briefings as needed;
5. Assume other duties as directed by the PM or PHSO; and
6. Report observed accidents/incidents or inadequate work practices to the PHSO and the PM.

4.4 Project Personnel:

Project personnel involved in on-site investigations and operations will:

1. Take reasonable precautions to prevent injury to themselves and to their fellow employees;
2. Perform only those tasks that they can do safely and immediately report accidents and/or unsafe conditions to the SSO or PHSO;
3. Follow the procedures set forth in the site health and safety plan and report to the SSO or PHSO any observed deviations from the procedures described in the plan on the part of SOMA or subcontractor personnel; and
4. Inform the PM and PHSO of any physical conditions that might affect their ability to perform the planned field tasks.

4.5 Training Requirements:

All project personnel must be in compliance with OSHA regulations specified in 29 CFR 1910.120 and CCR Title 8, Section 5192. For all SOMA personnel and all drilling contractor personnel these include completion of a 40-hour health and safety training course and annual 8-hour refresher training; and participation in a medical monitoring program and respiratory protection program. Contractors and personnel not involved in drilling are required to make an individual determination of the applicability of OSHA regulations and training requirements to the work tasks they are performing.

Identification of Other Site Contractors

The other contractors and subcontractors on this site who could be affected by the tasks and operations associated with this Work Plan Addendum and HASP are listed in Table below.

Table H1 Other Site Contractors and Subcontractors	
Company	Function
<i>NRC Environmental Engineering</i>	Tank Decommissioning Activities
1605 Ferry Point	
Alameda, CA 94501	
(925)778-8255 (Phone)	
<i>Precision Locating, LLC</i>	Utility Locating Activities
1980 Eden Plains Road	
Brentwood, CA 94513	
(925)516-2860 (Phone)	

Training Requirements

All project personnel must be in compliance with OSHA regulations specified in 29 CFR 1910.120 and CCR Title 8, Section 5192. For all SOMA personnel and all drilling contractor personnel these include the completion of a 40-hour health and safety training course, an annual 8-hour refresher training, and participation in a medical monitoring program and respiratory protection program. Contractors and personnel not involved in drilling are required to make an individual determination of the applicability of OSHA regulations and training requirements to the work tasks they are performing.

5.0 SITE CONTROL

The purpose of site control is to minimize the potential exposure to site hazards and to prevent vandalism at the subject property.

5.1 Site Security:

Only authorized personnel shall be permitted access to the site work areas. Work areas will be cordoned with barriers to limit unauthorized access.

Access to on-site work areas will be controlled by means of barricades and caution tape. In off-site locations barricades and caution tape shall be employed to prevent access to work areas by the general public. Each work crew shall contain at least one person designated to control access. In addition to regular work duties this person shall be responsible for ensuring that access is controlled and that unauthorized persons remain outside the work area.

5.2 Communications:

A field representative should contact the project manager or office at least once a day while in the field.

LOCATION OF CLOSEST TELEPHONE: Cell phones will be available at all times during site activities.

6.0 PERSONAL PROTECTIVE EQUIPMENT

The following personal protective equipment will be used as specified below.

- ☐ Chemical-resistant rubber boots, steel-toed
- ☒ Steel-toed boots
- ☒ Hard hat
- ☒ Ear plugs
- ☒ Gloves (specify)
 - ☐ Latex inner liner, nitrile outer glove
 - ☐ Latex inner liner, neoprene outer glove
 - ☒ Nitrile outer glove only OR
 - ☒ Neoprene outer glove only
- ☒ Disposable suit or work overalls (as necessary)
 - ☒ Tyvek
 - ☐ Saranex
- ☒ Respirator (as necessary)
 - ☒ ½ face
 - ☐ full face
- ☒ Cartridges (as necessary)
 - ☒ Organic vapor (black or yellow)
 - ☐ Dusts, mists, fumes (purple)
 - ☐ Combo organic vapor and dust (purple/black or purple/yellow)
 - ☐ Other (specify) _____
- ☒ Safety glasses/goggles
- ☐ Other (specify) _____

The following protective equipment/clothing shall be worn during the following activities.

<u>ACTIVITY</u>	<u>EQUIPMENT/CLOTHING</u>
All	Hard hat, steel-toed boots, safety glasses, gloves as required and traffic safety vests.
Drilling	Tyvek disposable suits or work overalls, neoprene or nitrile gloves if handling soil.
Drilling-elevated PID readings	½ face respirator with organic vapor cartridge
Heavy Equipment Operation	Ear plugs

7.0 ACTION LEVELS

Listed below are OSHA permissible exposure limits (PELs) and ACGIH recommended threshold limit values (TLVs) for the chemicals of concern at the site.

Respirators shall be worn when air monitoring indicates that concentrations exceed the action levels listed below.

<u>CHEMICAL</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Gasoline	300 ppm	300 ppm
Benzene	1.0 ppm	1.0 ppm
Toluene	100 ppm	50 ppm
Ethylbenzene	100 ppm	100 ppm
Xylenes	100 ppm	100 ppm
MtBE	None	40

There were no chemicals found on-site that are listed under CCR Title 26 Section 22-1200, and are considered "chemicals known to the State to cause cancer or reproductive toxicity":

7.1 Action Levels:

Wear respirator if PID reads ≥ 10 ppm sustained, for at least 10 sec. in breathing zone

Stop work if PID reads ≥ 100 ppm

8.0 DECONTAMINATION

8.1 Personnel decontamination procedures (if needed): When drilling or during other activities in which contaminated soil or water may be encountered decontamination procedures shall be followed. Prior to commencement of activities requiring decontamination a decontamination zone shall be established adjacent to the work area and clearly marked or otherwise defined. Plastic sheeting, bins, and other suitable materials shall be employed to ensure that contaminated material remains in the decontamination zone and to prevent transfer of contaminated material outside the work area.

Personnel working in the contaminated area shall use disposable protective clothing wherever possible. When leaving the work area, the worker will enter the decontamination zone. Any non-disposable clothing such as boots should be washed immediately. Wash water and material shall be retained for proper disposal. After washing, workers will remove disposable clothing and either store in the

decontamination area for later use (if appropriate) or dispose of in containers provided for the purpose.

No personnel shall enter the work area without first donning the appropriate protective clothing and no personnel shall leave the work area without first completing the decontamination procedure. At the end of the work activity the work area will be cleaned up as appropriate and material disposed of. Equipment and gear will be decontaminated. After the work area has been cleaned personnel shall follow decontamination procedures and then clean up the decontamination area.

8.2 Equipment decontamination procedures: Equipment in contact with hydrocarbon-affected soil will be cleaned with a high pressure hot water or steam cleaner after completion of work in a contaminated area. All equipment decontamination shall be completed in the work area or in the decontamination area. Rinseate and other cleaning materials shall be collected and disposed of. Insofar as possible, work areas should be protected from contamination using plastic sheeting or other methods. Protective sheeting shall be removed and properly disposed of after work is completed. Any contaminated materials found in the work area should be removed using appropriate techniques.

8.3 Disposal of work-derived materials (expendables, decon waste, soil cuttings, groundwater, etc.): Contaminated or potentially contaminated material shall be stored on-site in DOT 17E/H drums or other appropriate containers. The material will be tested to evaluate disposal options.

9.0 SAFETY PRACTICES

In working with or around any hazardous or potentially hazardous substances or situations, site personnel should plan all activities before starting any task. Site personnel shall identify health and safety hazards involved with the work planned and consult with the PHSO or SSO as to how the task can be performed in the safest manner, if she/he has any uncertainties.

The SSO shall conduct periodic safety briefings such that site personnel and contractors will understand procedures, and any questions personnel may have can be addressed. These briefings will be documented on a Project Health and Safety Meeting Form (attached). Adherence to general safety rules listed below will be required.

9.1 General Safety Rules:

1. Wear protective equipment and clothing provided, when required.
2. Wear a hard hat and safety glasses in all construction areas and during drilling activities.
3. Wear sturdy work boots or shoes at the site. Steel-toed boots are required during drilling activities.

4. Do not eat, drink, or use tobacco in restricted work areas.
5. Prevent splashing of materials containing chemicals.
6. Prevent back injury by never lifting or carrying a load that is heavier than you can comfortably handle. When lifting heavy objects, bend the knees and use the leg muscles.
7. Keep all heat sources away from combustible liquids, gases, or any flammable material. When working in areas where combustible gases are present, use only intrinsically safe equipment (non-sparking).
8. Field personnel shall be familiar with the physical characteristics of investigations, including:
 - ◆ Wind direction in relation to restricted work areas
 - ◆ Accessibility of other personnel, equipment, and vehicles
 - ◆ Areas of known or suspected chemicals in soil and groundwater
 - ◆ Site access
 - ◆ Nearest water sources
 - ◆ Location of communication devices
9. Personnel and equipment in restricted work areas should be limited to the number necessary to perform the task at hand.
10. All wastes generated during investigative activities at the site shall be disposed of as directed by the PM.
11. Inspect power cords for damage such as cuts and frays. Suspend cords with nylon rope or plastic ties only.
12. When in doubt of your safety, it is better to overprotect.
13. Practice defensive driving.
14. A first-aid kit and a type of ABC fire extinguisher shall be kept at the site and in a field vehicle when performing fieldwork.

10.0 EMERGENCY RESPONSE

In the event of an accident or emergency condition, the procedure specified below shall be followed immediately.

10.1 Medical Emergencies:

1. Remove injured or exposed person(s) from immediate danger if possible.
2. Evacuate other on-site personnel to a safe place until it is safe for work to resume.

3. If serious injury or life-threatening condition exists call

911-Paramedics, Fire Department, and Police
Hospital Emergency Room

Clearly describe location, injury and conditions to dispatcher/hospital. Designate a person to direct emergency equipment to the injured person(s).

4. Provide first aid, if necessary.
5. Call the project manager and/or health and safety officer.
6. Immediately implement steps to prevent reoccurrence of the accident.
7. A map showing the nearest hospital location is included in Appendix A.

Hospital Address: Alta Bates Summit Medical Center
350 Hawthorne Ave, Oakland, CA 94609-3108
Telephone: (510) 869-6600

8. Nearest Poison Control Center Telephone: 911
9. Other emergency notifications and phone numbers: 911

10.2 Accidental Release of Hazardous Materials or Wastes:

1. Evacuate all on-site personnel to a safe place until the PM or PHSO determines that it is safe for work to resume.
2. Immediately instruct a designated person to contact PM or PHSO.
3. Contain spill, if it is possible and it can be done safely.
4. Initiate clean up.

11.0 APPROVAL



Project Manager

6/19/07
Date



Project Health and Safety Officer

6/19/07
Date



Site Safety Officer

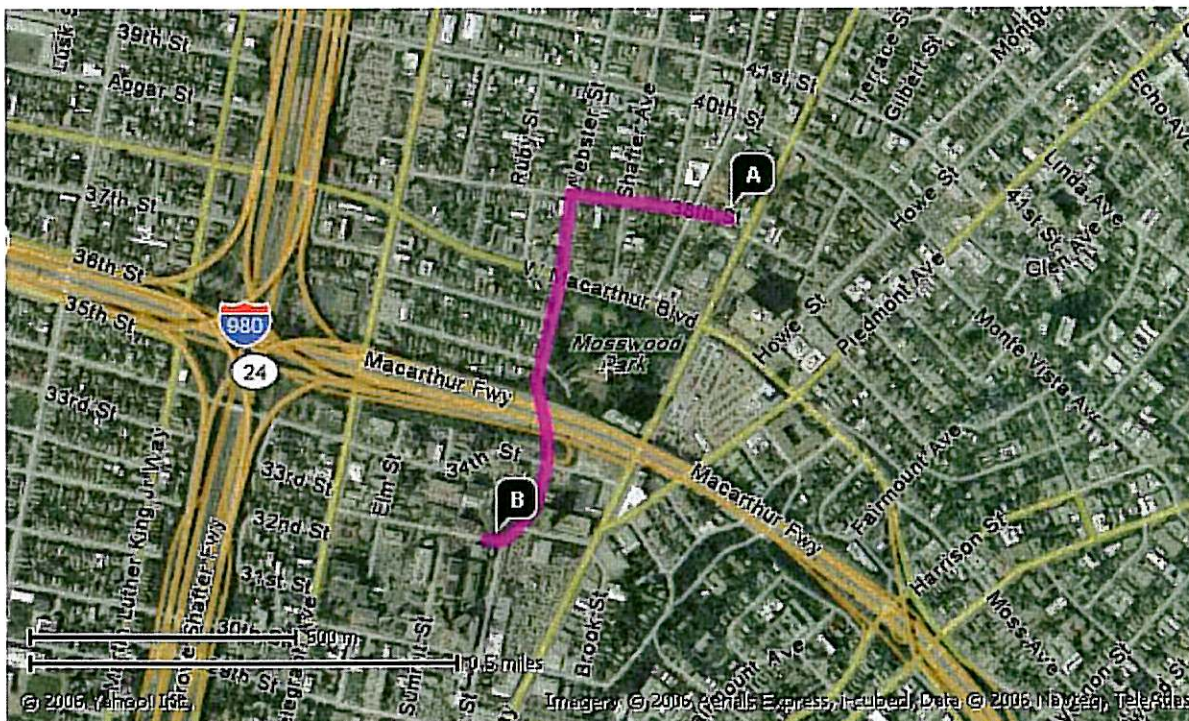
6/19/07
Date

A 316 38th Street, Oakland, CA

1. Start at **316 38TH ST, OAKLAND** going toward **MANILA AVE** - go **0.2 mi**
2. Turn **L** on **WEBSTER ST** - go **0.4 mi**
3. Bear **R** on **HAWTHORNE AVE** - go **0.0 mi**
4. Arrive at **350 HAWTHORNE AVE, OAKLAND**, on the **R**

B Alta Bates Summit Medical Center (510) 655-4000 ★★★★★
350 Hawthorne Ave, Oakland, CA 94609-3108

Total Distance: 0.6 miles, Total Travel Time: 2 mins



When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

CHEMICAL IDENTIFICATION

Chemical Name: ACETONE

CAS #: 67-64-1

UN No: 1090

Formula: C₃H₆O

Synonyms: Dimethyl ketone, Ketone propane, 2-Propanone

PHYSICAL PROPERTIES

Physical Description: Colorless liquid with a fragrant, mint-like odor.

BP: 133°F	MW: 58.1	LEL: 2.5%	NFPA Fire Rating: 3
MLT: -169°F	VP: 180 mmHg	UEL: 12.8%	NFPA Health Rating: 1
Fl.P: 0°F	VD: NA		NFPA Reactivity Rating: 0
Sp. Gr.: 0.79	IP: 9.69 eV		NFPA Sp. Inst.: NA

EXPOSURE GUIDELINES

OSHA	NIOSH	ACGIH	Related Information
PEL-TWA ppm: 1000	REL-TWA ppm: 250	TLV-TWA ppm: 500	AIHA Emergency Response Planning Guidelines (ERPGs)EPRG-1/EPRG-2/EPRG-3: NA
PEL-TWA mg/m3: 2400	REL-TWA mg/m3: 590	TLV-TWA mg/m3: 1188	
PEL-STEEL ppm: NA	REL-STEEL ppm: NA	TLV-STEEL ppm: 750	
PEL-STEEL mg/m3: NA	REL-STEEL mg/m3: NA	TLV-STEEL mg/m3: 1782	
PEL-C ppm: NA	REL-C ppm: NA	TLV-C ppm: NA	
PEL-C mg/m3: NA	REL-C mg/m3: NA	TLV-C mg/m3: NA	
Skin Notation: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Carcinogen Classifications: TLV-A4, EPA-D, EPA-CBD
Notes: NA	Notes: NA	Notes: BEI	

IDLH Notes: 10% of LEL

IDLH ppm: 2500

IDLH mg/m3: NA

HEALTH INFORMATION

Symptoms: eye, nose, throat irritation; headaches, dizziness; dermatitis; central nervous system depressant/depression

Health Effects: irritation-eye, nose, throat, skin---mild; nervous system disturbances---narcosis; LD50 (oral, rat) 9750 mg/kg

Target Organ: eyes, skin, respiratory system, central nervous system

EMERGENCY RESPONSE INFORMATION

First Aid: EYES: First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop. SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment. INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing. INGESTION: DO NOT INDUCE VOMITING. Volatile chemicals have a high risk of being aspirated into the victim's lungs during vomiting which increases the medical problems. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. IMMEDIATELY transport the victim to a hospital. If the victim

is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Reactivity: CHEMICAL PROFILE: A mixture of acetone and chloroform in a residue bottle exploded. Since addition of acetone to chloroform in the presence of base will result in a highly exothermic reaction, it is thought that a base was in the bottle (MCA Case History 1661. 1970). Nitrosyl chloride sealed in a tube with a residue of acetone in the presence of platinum catalyst gave an explosive reaction (Chem. Eng. News 35(43):60. 1967). The reaction of nitrosyl perchlorate and acetone ignites and explodes. Explosions occur with mixtures of nitrosyl perchlorate and primary amine (Ann. Chem. 42:2031. 1909). (REACTIVITY, 1999)

Nonfire Spill Response: Keep sparks, flames, and other sources of ignition away. Keep material out of water sources and sewers. Build dikes to contain flow as necessary. Attempt to stop leak if without undue personnel hazard. Use water spray to disperse vapors and dilute standing pools of liquid. Apply water spray or mist to knock down vapors. Land spill: Dig a pit, pond, lagoon, holding area to contain liquid or solid material. Dike surface flow using soil, sand bags, foamed polyurethane, or foamed concrete. Absorb bulk liquid with fly ash, cement powder, or commercial sorbents. Water spill: Use natural barriers or oil spill control booms to limit spill travel. Remove trapped material with suction hoses. (AAR, 1999)

Fire Response: Do not extinguish fire unless flow can be stopped. Use water in flooding quantities as fog. Solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible. Use "alcohol" foam, dry chemical or carbon dioxide. (AAR, 1999)

CHEMICAL IDENTIFICATION		
Chemical Name: GASOLINE		
CAS #: 8006-61-9	UN No: 1203	Formula: NA
Synonyms: Motor fuel, Motor spirits, Natural gasoline, Petrol [Note: A complex mixture of volatile hydrocarbons (paraffins, cycloparaffins & aromatics).]		

PHYSICAL PROPERTIES

Physical Description: Clear liquid with a characteristic odor.

BP: 102°F	MW: 72 (approx)	LEL: 1.4%	NFPA Fire Rating: 3
MLT: NA	VP: 38-300 mmHg	UEL: 7.6%	NFPA Health Rating: 1
Fl.P: -45°F	VD: NA		NFPA Reactivity Rating: 0
Sp. Gr.: (60°F): 0.72-0.76	IP: NA		NFPA Sp. Inst.: NA

EXPOSURE GUIDELINES

OSHA	NIOSH	ACGIH	Related Information
PEL-TWA ppm: NA	REL-TWA ppm: NA	TLV-TWA ppm: 300	AIHA Emergency Response Planning Guidelines (ERPGs) ERPG-1/ERPG-2/ERPG-3: NA
PEL-TWA mg/m3: NA	REL-TWA mg/m3: NA	TLV-TWA mg/m3: 890	
PEL-STEEL ppm: NA	REL-STEEL ppm: NA	TLV-STEEL ppm: 500	
PEL-STEEL mg/m3: NA	REL-STEEL mg/m3: NA	TLV-STEEL mg/m3: 1480	
PEL-C ppm: NA	REL-C ppm: NA	TLV-C ppm: NA	
PEL-C mg/m3: NA	REL-C mg/m3: NA	TLV-C mg/m3: NA	
Skin Notation: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes: NA	Notes: CARCINOGEN (Ca); LOQ 15 ppm	Notes: BULK HANDLING [CAS 86290-81-5]	Carcinogen Classifications: IARC-2B*, NIOSH-Ca, TLV-A3. *NO CASRN

IDLH Notes: Ca	
IDLH ppm: NA	IDLH mg/m3: NA

HEALTH INFORMATION

Symptoms: irritation eyes, skin, muc memb; dermatitis; headache, fatigue, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonia (aspir liquid); possible liver, kidney damage; potential occupational carcinogen

Health Effects: irritation-eyes, nose, throat--mild; central nervous system effects; flammable

Target Organ: eyes, skin, respiratory system, central nervous system, liver, kidneys

EMERGENCY RESPONSE INFORMATION

First Aid: Eye: If this chemical contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical.

Skin: If this chemical contacts the skin, immediately flush the contaminated skin with soap and water. If this chemical penetrates the clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention. Breathing: If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. If breathing has stopped, perform mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Get medical attention as soon as possible. Swallow: If this chemical has been swallowed, get medical attention immediately. (NIOSH, 1997)

Reactivity: This compound is incompatible with the following: Strong oxidizers such as peroxides, nitric acid & perchlorates (NIOSH, 1997)

Nonfire Spill Response: Keep sparks, flames, and other sources of ignition away. Keep material out of water sources and sewers. Build dikes to contain flow as necessary. Attempt to stop leak if without undue personnel hazard. Use water spray to

knock-down vapors. (AAR, 1999)

Fire Response: Do not extinguish fire unless flow can be stopped. Use water in flooding quantities as fog. Solid streams of water may spread fire. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible. Use foam, dry chemical, or carbon dioxide. (AAR, 1999)

CHEMICAL IDENTIFICATION			
Chemical Name: TERT-BUTYL ALCOHOL			
CAS #: 75-65-0		UN No: 1120	Formula: C4H10O
Synonyms: 2-Methyl-2-propanol, Trimethyl carbinol			
PHYSICAL PROPERTIES			
Physical Description: Colorless solid or liquid (above 77°F) with a camphor-like odor. [Note: Often used in aqueous solutions.]			
BP: 180°F	MW: 74.1	LEL: 2.4%	NFPA Fire Rating: 3
MLT: 77°F	VP: (77°F): 42 mmHg	UEL: 8.0%	NFPA Health Rating: 1
FLP: 52°F	VD: NA		NFPA Reactivity Rating: 0
Sp. Gr.: 0.79 (Solid)	IP: 9.70 eV		NFPA Sp. Inst.: NA
EXPOSURE GUIDELINES			
OSHA	NIOSH	ACGIH	Related Information
PEL-TWA ppm: 100	REL-TWA ppm: 100	TLV-TWA ppm: 100	AIHA Emergency Response Planning Guidelines (ERPGs)EPRG-1/EPRG-2/EPRG-3: NA
PEL-TWA mg/m3: 300	REL-TWA mg/m3: 300	TLV-TWA mg/m3: 303	
PEL-STEEL ppm: NA	REL-STEEL ppm: 150	TLV-STEEL ppm: NA	
PEL-STEEL mg/m3: NA	REL-STEEL mg/m3: 450	TLV-STEEL mg/m3: NA	
PEL-C ppm: NA	REL-C ppm: NA	TLV-C ppm: NA	
PEL-C mg/m3: NA	REL-C mg/m3: NA	TLV-C mg/m3: NA	
Skin Notation: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes: NA	Notes: NA	Notes: NA	Carcinogen Classifications: TLV-A4
IDLH Notes: NA			
IDLH ppm: 1600		IDLH mg/m3: NA	
HEALTH INFORMATION			
Symptoms: drowsiness; skin, eye irritation			
Health Effects: irritation-eye, nose, throat, skin---moderate; narcosis;			
Target Organ: eyes, skin, respiratory system, central nervous system			
EMERGENCY RESPONSE INFORMATION			
First Aid: EYES: First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop. SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment. INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of Breathing, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing. INGESTION: DO NOT INDUCE VOMITING. Volatile chemicals have a high risk of being aspirated into the victim's lungs during vomiting which increases the medical problems. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. IMMEDIATELY transport the victim to a hospital. If the victim			

is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the Headache lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Reactivity: CHEMICAL PROFILE: Attacks plastics. (Handling Chemicals Safely 1980. p. 236). Acetyl bromide reacts violently with alcohols or water (Merck 11th ed. 1989). Mixtures of alcohols with concentrated sulfuric acid and strong hydrogen peroxide can cause explosions. Example: an explosion will occur if dimethylbenzylcarbinol is added to 90% hydrogen peroxide then acidified with concentrated sulfuric acid. Mixtures of ethyl alcohol with concentrated hydrogen peroxide form powerful explosives. Mixtures of hydrogen peroxide and 1-phenylm-2-methyl propyl alcohol tend to explode if acidified with 70% sulfuric acid (Chem. Eng. News 45(43):73 1967; J. Org. Chem. 28:1893 1963). Alkyl hypochlorites are violently explosive. They are readily obtained by reacting hypochlorous acid and alcohols either in aqueous solution or mixed aqueous-carbon tetrachloride solutions. Chlorine plus alcohols would similarly yield alkyl hypochlorites. They decompose in the cold and explode on exposure to sunlight or heat. Tertiary hypochlorites are less unstable than secondary or primary hypochlorites (NFPA 491 M 1991). Base-catalysed reactions of isocyanates with alcohols should be carried out in inert solvents. Such reactions in the absence of solvents often occur with explosive violence (Wischmeyer 1969). (REACTIVITY, 1999)

Nonfire Spill Response: SMALL SPILLS AND LEAKAGE: If you spill this chemical, FIRST REMOVE ALL SOURCES OF IGNITION. Then, use absorbent paper to pick up all liquid spill material. Seal the absorbent paper, as well as any of your clothing which may be contaminated, in a vapor-tight plastic bag for eventual disposal. Wash any surfaces you may have contaminated with a soap and water solution. Do not reenter the contaminated area until the Safety Officer (or other responsible person) has verified that the area has been properly cleaned. STORAGE PRECAUTIONS: You should store this chemical in an explosion-proof refrigerator and keep it away from oxidizing materials. STORE AWAY FROM SOURCES OF IGNITION. (NTP, 1992)

Fire Response: Fire Extinguishing Agents Not to Be Used: Water may be ineffective on fire Fire Extinguishing Agents: Dry chemical, carbon dioxide, or alcohol foam. (USCG, 1999)

INCIDENT INVESTIGATION REPORT

Must Be Completed Within 72 Hours and Submitted Along With Relevant Support Documentation

Investigation Date _____

Date of Incident _____

Name of Injured _____

Supervisors Name _____

Project Number/Name _____

Location of Incident _____

Incident Type:

ON-SITE INJURY*

- ☐ First Aid
☐ OSHA Recordable (Form 300)

VEHICLE ACCIDENT

- ☐ Police Report
☐ First Aid
☐ Hospitalization

Description *(Provide facts, describe how incident occurred, provide photographs)*

Analysis *(Conditions contributed to the incident)*

Witness Names *(Attach witness statement)*

Project Manager/PHSO _____
Print Name Signature Date

* For more information refer to the injury classification guidelines

INJURY CLASSIFICATION GUIDELINES

(OSHA's Form 300 Guidelines)

"The Occupational Safety and Health (OSH) Act of 1970 requires certain employers to prepare and maintain records of work-related injuries and illnesses. Use these definitions when you classify cases on the Log. OSHA's recordkeeping regulation (see 29 CFR Part 1904) provides more information about the definitions below."

First Aid Injuries

If the incident requires only the following types of treatment, consider it first aid. Do NOT record the case with OSHA if it involves only:

- Using non-prescription medications at non-prescription strength;
- Administering tetanus immunizations;
- Cleaning, flushing, or soaking wounds on the skin surface;
- Using wound coverings such as bandages, Band-Aids", gauze pads, etc., or using SteriStrips" or butterfly bandages;
- Using hot or cold therapy;
- Using any totally non-rigid means of support, such as elastic bandages, wraps, non-rigid back belts, etc.;
- Using temporary immobilization devices while transporting an accident victim (slings, neck collars, or back boards);
- Drilling a fingernail or toenail to relieve pressure, or draining fluids from blisters
- Using eye patches;
- Using simple irrigation or a cotton swab to remove foreign bodies not embedded in or adhered to the eye;
- Using irrigation, tweezers, cotton swab or other simple means to remove splinters or foreign material from areas other than the eye;
- Using finger guards;
- Using massages;
- Drinking fluids to relieve heat stress

Recordable Injuries (OSHA 300 Log)

An injury or illness is considered work-related if an event of exposure in the work environment caused or contributed to the condition of significantly aggravated a preexisting condition. See 29 CFR part 1904.5(b)(2) for the exceptions.

Record those work related injuries and illnesses that result in:

- Loss of consciousness
- Days away from work
- Restricted work activity
- Medical treatment beyond first aid
- Death

You must also record work-related injury or illness that are significant or meet any additional criteria described below. You must record any work-related injury or illness that is diagnosed by a physician or other licensed health care professional.

Additional Criteria

- Any case requiring an employee to be medically removed from a site under the requirements of an OSHA health standard
- Any Standard Threshold Shift (STS) in hearing (i.e., cases involving an average hearing loss of 10dB or more in either ear)
- Tuberculosis infection as evidenced by a positive skin test or diagnosis by a physician or other licensed health care professional after exposure to a known case of active tuberculosis.
- Blood or other potentially infectious material cross-contamination

Appendix B

Field and Laboratory Procedures

Direct Push (GEOPROBE) Drilling

Utility Locating

Prior to drilling, boring locations are marked with white paint or other discernible marking and cleared for underground utilities through Underground Service Alert (USA). In addition, the first five feet of each borehole are air-knifed, or carefully advanced with a hand auger if shallow soil samples are necessary, to help evaluate the borehole location for underground structures or utilities.

Borehole Advancement

Pre-cleaned push rods (typically one to two inches in diameter) are advanced using a hydraulic push type rig for the purpose of collecting samples and evaluating subsurface conditions. The drill rod serves as a soil sampler, and an acetate liner is inserted into the annulus of the drill rod prior to advancement. Once the sample is collected, the rods and sampler are retracted and the sample tubes are removed from the sampler head. The sampler head is then cleaned, filled with clean sample tubes, inserted into the borehole and advanced to the next sampling point where the sample collection process is repeated.

Soil Sample Collection

The undisturbed soil samples intended for laboratory analysis are cut away from the acetate sample liner using a hacksaw, or equivalent tool, in sections approximately 6 inches in length. The 6 inch samples are lined at each end with Teflon® sheets and capped with plastic caps. Labels documenting job number, borehole identification, collection date, and depth are affixed to each sample. The samples are then placed into an ice-filled cooler for delivery under chain-of-custody to a laboratory certified by the State of California to perform the specified tests. The remaining collected soil that has not been selected for laboratory analysis is logged using the United Soil Classification System (USCS) under the direction of a State Registered Professional Geologist, and is field screened for organic vapors using a photo ionization detector (PI D), or an equivalent tool. Soil cuttings generated are stored in Department of Transportation (DOT) approved 55-gallon steel drums, or an equivalent storage container.

Grab Groundwater Sample Collection

Once the desired groundwater sampling depth has been reached, a Hydropunch tip is affixed to the head of the sampling rods. The Hydropunch tip is advanced between approximately 6 inches to one foot within the desired groundwater sampling zone (effort is made to emplace the Hydropunch screen across the center of the water table), and retracted to expose the Hydropunch screen. Grab groundwater samples are collected by lowering a pre-cleaned, single-sample polypropylene, disposable bailer down the annulus of the sampler rod. The groundwater sample is discharged from the bailer to the sample container through a bottom emptying flow control valve to minimize volatilization.

Alternatively, groundwater samples are collected by lowering a disposable bailer through the sampler rod or into the borehole.

Collected water samples are discharged directly into laboratory provided, pre-cleaned, vials or containers and sealed with Teflon-lined septum, screw-on lids. Labels documenting sample number, well identification, collection date, and type of preservative (if applicable. i.e. HCl for TPPH, BTEX, and fuel oxygenates) are affixed to each sample. The samples are then placed into an ice-filled cooler for delivery under chain-of-custody to a laboratory certified by the State of California to perform the specified tests.

Borehole Completion

Upon completion of drilling and sampling, the rods are retracted. Neat cement grout, mixed at a ratio of 6 gallons of water per 94 pounds of Portland cement, is introduced, *via* a tremmie pipe, and pumped to displace standing water in the borehole. Displaced groundwater is collected at the surface into DOT approved 55-gallon steel drums, or an equivalent storage container. In areas where the borehole penetrates asphalt or concrete, the borehole is capped with an equivalent thickness of asphalt or concrete patch to match finished grade.

Organic Vapor Procedures

Soil samples are collected for analysis in the field for ionizable organic compounds using a PID with a 10.2 eV lamp. The test procedure *involves* measuring approximately 30 grams from an undisturbed soil sample, placing this subsample in a Ziploc--type bag or in a clean glass jar, and sealing the jar with aluminum foil secured under a ring-type threaded lid. The container is warmed for approximately 20 minutes (in the sun); then the head-space within the container is tested for total organic *vapor*, measured in parts per million as benzene (ppm; volume/volume). The instrument is calibrated prior to drilling. The results of the field-testing are noted on the boring logs. PID readings are useful for indicating relative levels of contamination, but cannot be used to evaluate petroleum hydrocarbon levels with the confidence of laboratory analyses.

Equipment Decontamination

Equipment that could potentially contact subsurface media and compromise the integrity of the samples is carefully decontaminated prior to drilling and sampling. Drill augers and other large pieces of equipment are decontaminated using high pressure hot water spray. Samplers, groundwater pumps, liners and other equipment are decontaminated in an Alconox scrub solution and double rinsed in clean tap water rinse followed by a final distilled water rinse.

The rinsate and other wastewater are contained in 55-gallon DOT-approved drums, labeled (to identify the contents, generation date and project) and stored on-site pending waste profiling and disposal.

Soil Cuttings and Rinsate/Purge Water

Soil cuttings and rinsate/purge water generated during drilling and sampling are stored onsite in DOT-approved 55-gallon steel drums pending characterization. A label is affixed to the drums indicating the contents of the drum, suspected contaminants, date of generation,

and the boring number from which the waste is generated. The drums are removed from the site by a licensed waste disposal contractor under manifest to an appropriate facility for treatment/recycling.

Appendix C

Boring Logs

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 10 ft. BGS.					
	5								
41.1	10		CL	LEAN CLAY w/sand: Dark greenish-brown; stiff; moist; LEK; fine to coarse-grained sand; slight Petroelum Hydrocarbon (PHC) odor.					
122.3			GP	POORLY GRADED GRAVEL w/sand: Greenish-gray; medium stiff; wet; fine to coarse-grained sand; fine- to medium-grained gravel; PHC odor.					
82.3			CL	Sandy Lean Clay with Gravel: Greenish-gray; medium-stiff; moist; fine- to coarse-grained sand; fine- to medium-grained gravel; PHC odor.					
15			SP	POORLY GRADED SAND: Grayish-green; medium dense; very moist to wet; fine- to medium-grained sand; PHC odor.					
78.3			ML	SILT: Grayish-green; medium stiff; moist; PHC odor.					
300									
35.7	20		SW	WELL GRADED SAND: Grayish-green; soft; moist to wet; fine-grained sand; PHC odor.					
135			ML	SILT: Grayish-green; soft; moist to very moist; PHC odor.					
106.2			CL	LEAN CLAY: Tan; stiff; moist; LEK; slight PHC odor.					
25									

COMMENTS:



PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)


T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
15.2 31.4			CL	LEAN CLAY: Tan; stiff; moist; LEK; slight PHC odor.		TB1-1 @ 27 ft			
	30								
	35								
	40								
	45								
	50								

COMMENTS:

PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 10 FT. BGS					
	5								
	10		CL	LEAN CLAY w/sand: Dark greenish-brown; stiff; moist; LEK; fine- to coarse-grained sand; slight Petroleum Hydrocarbon (PHC) odor.					
	15		GP	POORLY GRADED GRAVEL w/sand: Greenish-gray; medium stiff; wet; fine to coarse-grained sand; fine- to coarse-grained gravel; PHC odor.					
	20		SP	POORLY GRADED SAND: Grayish-green; medium dense; very moist to wet; fine- to medium-grained sand; slight PHC odor.					
	25		ML	SILT: Grayish-green; medium stiff; moist; slight PHC odor.					
	272			Becomes wet from 20-22 ft.					
	278								
	294								
	342								
	45.6								
	54.4								
	5								
	5.5								
	4.7		CL	LEAN CLAY: Tan; very stiff; moist; LEK; very slight PHC odor.					

COMMENTS:



PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)


T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
1.5	1.5		CL	LEAN CLAY: Tan; very stiff; moist; LEK; very slight PHC odor.		TB1-3 @ 27 ft			
	30								
	35								
	40								
	45								
	50								

COMMENTS:

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 10 FT BGS					
	5								
	10		CL	LEAN CLAY w/sand: Dark brown; soft; very moist; no Petroleum Hydrocarbon (PHC) odor.					
10.4				Saturated at 12 ft.			▽		
48				No Recovery					
15				No Recovery					
20				No Recovery					
4.7			CL	LEAN CLAY: Tan; stiff; moist; LEK; no PHC odor.					
25									

COMMENTS:

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)


T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
7.1	6.7		CL	LEAN CLAY: Tan; stiff; moist; LEK; no PHC odor.		TB1-4 @ 27 ft			
	30								
	35								
	40								
	45								
	50								

COMMENTS:

PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 7 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 5 FT BGS					
124.4	5		CL	LEAN CLAY w/sand: Black with green mottling; soft; moist; LEK-MEK; fine- to coarse-grained sand; slight Petroleum Hydrocarbon (PHC) odor. Wet from 7-7.5 ft. Becomes very stiff at 8'		TB2-1 @ 6 ft			
27.8	10					TB2-1 @ 10 ft			
	15								
	20								
	25								

COMMENTS: TD @ 10 ft. bgs.

PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 7 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 5 FT BGS					
	5		CL	LEAN CLAY w/sand: Greenish-brown with black mottling; medium stiff; moist; LEK-MEK; fine- to coarse-grained sand; slight Petroleum Hydrocarbon (PHC) odor.					
	21.3		CL	LEAN CLAY w/sand: Black; soft; moist to wet; LEK-MEK; fine- to coarse-grained sand; slight PHC odor.					
21.3	10								
	15								
	20								
	25								

COMMENTS: TD @ 10 ft. bgs.

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 8 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 5 FT BGS					
	5		SP	SAND (Fill): Brown; loose; dry; MEK; fine- to medium-grained sand; no Petroleum Hydrocarbon (PHC) odor.					
	10		CL	LEAN CLAY w/sand: Dark greenish-gray; soft; moist to wet; LEK-MEK; fine- to medium-grained sand; no PHC odor.					
	15		CL-ML	SILTY CLAY: Greenish-gray; medium stiff; moist; LEK; PHC odor.					
	20								
	25								

COMMENTS:

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 5 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

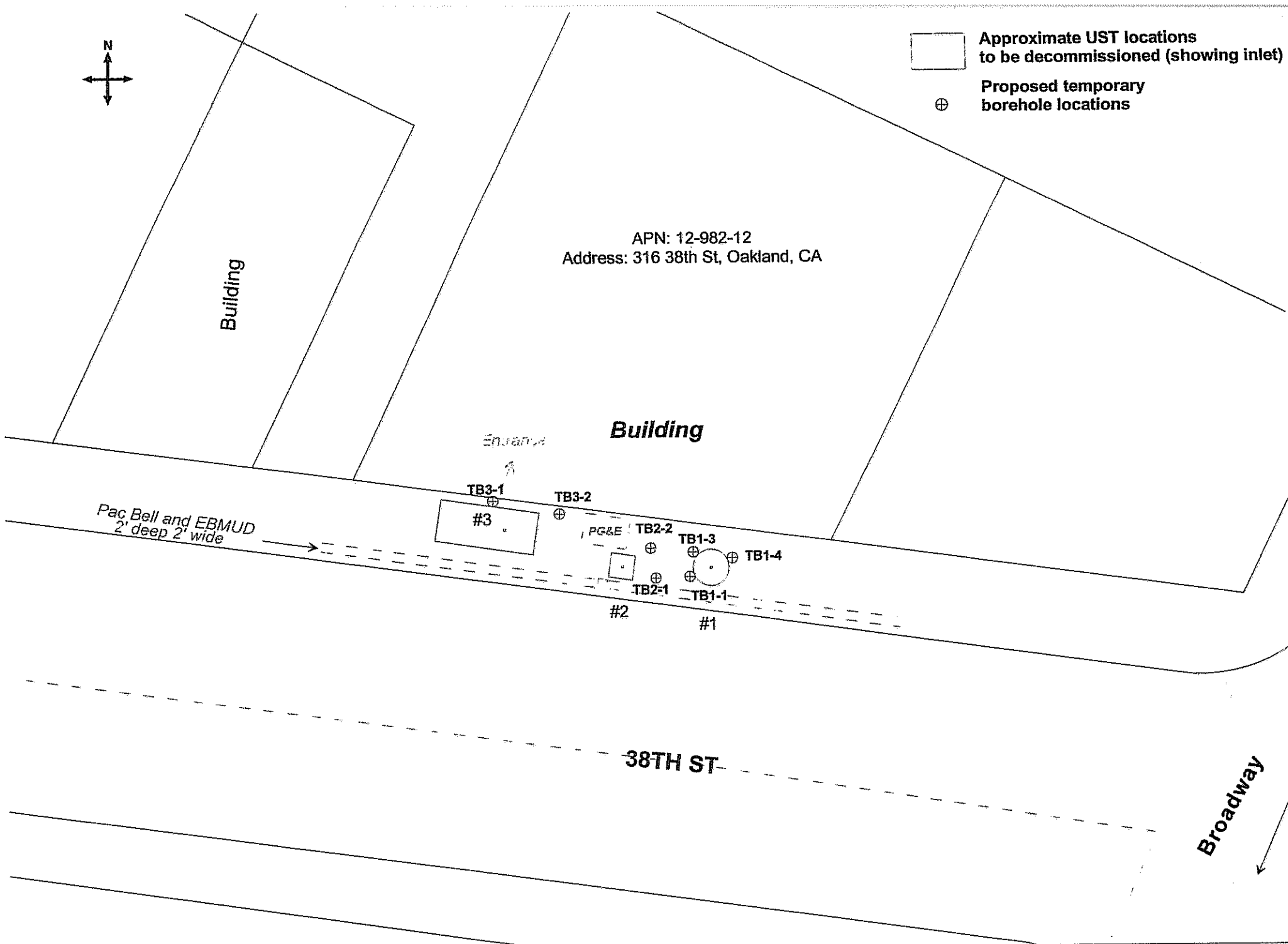
PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				HAND AUGER TO 5 FT BGS					
4.3	5		SP	SAND (Fill): Brown; loose; saturated; fine- to medium-grained sand; no Petroleum Hydrocarbon (PHC) odor.			▽		
23.3	10								
16.8			CL	LEAN CLAY w/sand: Dark greenish-gray; soft; very moist; LEK-MEK; fine- to medium-grained sand; slight PHC odor.					
270			CL-ML	SILTY CLAY: Greenish-gray; medium stiff; moist; LEK; PHC odor.					
34.2	15								
7.1									
	20								
	25								

COMMENTS:

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



approximate scale in feet



Figure 1: Map showing approximate UST locations and proposed





GEOLOGIC LOG OF BOREHOLE: TB1-3

PAGE 1 OF 2

PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	5			Hand Augered to 10 ft. bgs.					
54.4	10		CL	Lean Clay with Sand: Dark greenish-brown; stiff; moist; LEK; fine- to coarse-grained sand; slight Petroleum Hydrocarbon (PHC) odor.					
45.6			GP	Poorly Graded Gravel with Sand: Greenish-gray; medium stiff; wet; fine to coarse-grained sand; fine- to coarse-grained gravel; PHC odor.					
342	15		SP	Poorly Graded Sand: Grayish-green; medium dense; very moist to wet; fine- to medium-grained sand; slight PHC odor.					
294			ML	Silt: Grayish-green; medium stiff; moist; slight PHC odor.					
278	20			Becomes wet from 20-22 ft.					
272									
5.5									
4.7	25		CL	Lean Clay: Tan; very stiff; moist; LEK; very slight PHC odor.					

COMMENTS:



GEOLOGIC LOG OF BOREHOLE: TB1-3

PAGE 2 OF 2

PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

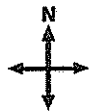
PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
1.5 1.5	1.5		CL	Lean Clay: Tan; very stiff; moist; LEK; very slight PHC odor.	TB1-3 @ 27 ft			
	30							
	35							
	40							
	45							
	50							

COMMENTS:

CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED



Approximate UST locations
to be decommissioned (showing inlet)



Proposed temporary
borehole locations

APN: 12-982-12
Address: 316 38th St, Oakland, CA

Building

Building

Entrance

TB3-1

TB3-2

#3

PG&E

TB2-2

TB1-3

TB1-4

TB2-1

TB1-1

#2

#1

Pac Bell and EBMUD
2' deep 2' wide

38TH ST

Broadway

approximate scale in feet



Figure 1: Map showing approximate UST locations and proposed





GEOLOGIC LOG OF BOREHOLE: TB1-4

PAGE 1 OF 2

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	5			Hand Auger to 10 ft. bgs.					
	10								
10.4			CL	Lean Clay with Sand: Dark brown; soft; very moist; no Petroleum Hydrocarbon (PHC) odor. Saturated at 12 ft.			▽		
48	15			No Recovery					
	20			No Recovery					
4.7	25		CL	Lean Clay: Tan; stiff; moist; LEK; no PHC odor.					

COMMENTS:



GEOLOGIC LOG OF BOREHOLE: TB1-4

PAGE 2 OF 2

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 12 ft. bgs.

DRILLING METHOD: Direct Push (DP)

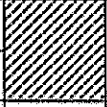
T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

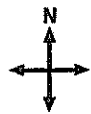
PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
7.1	6.7		CL	Lean Clay: Tan; stiff; moist; LEK; no PHC odor.		TB1-4 @ 27 ft			
	30								
	35								
	40								
	45								
	50								

COMMENTS:

CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED



Approximate UST locations
to be decommissioned (showing inlet)



Proposed temporary
borehole locations

APN: 12-982-12
Address: 316 38th St, Oakland, CA

Building

Building

Entrance

TB3-1

TB3-2

#3

PG&E

TB2-2

TB1-3

TB1-4

TB2-1

TB1-1

#2

#1

Pac Bell and EBMUD
2' deep 2' wide

38TH ST

Broadway

approximate scale in feet

Figure 1: Map showing approximate UST locations and proposed

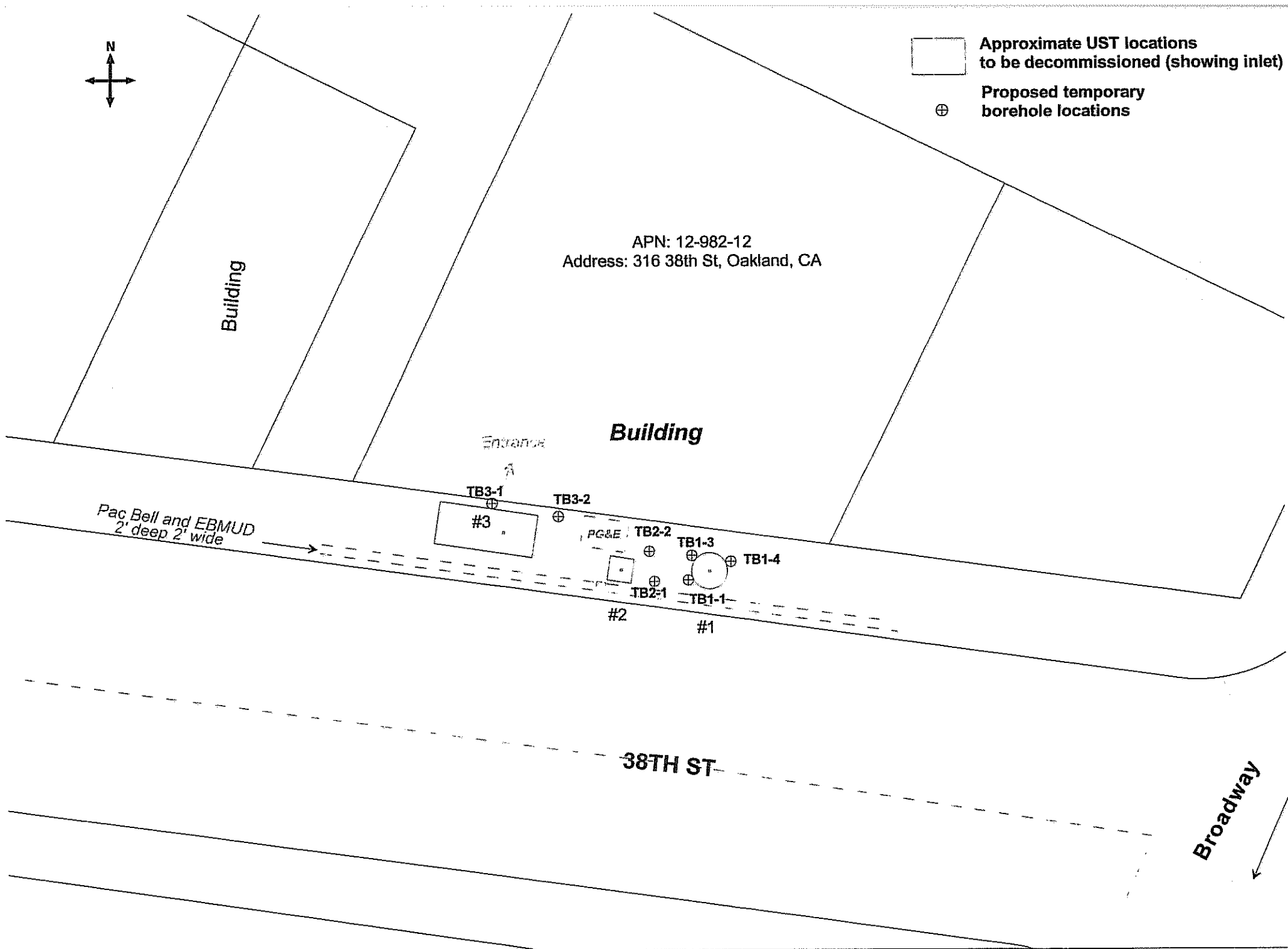


COMMENTS: TD @ 10 ft. bgs.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



approximate scale in feet

Figure 1: Map showing approximate UST locations and proposed





GEOLOGIC LOG OF BOREHOLE: TB2-2

PAGE 1 OF 1

PROJECT: 2722

DATE DRILLED: 11/20/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 7 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

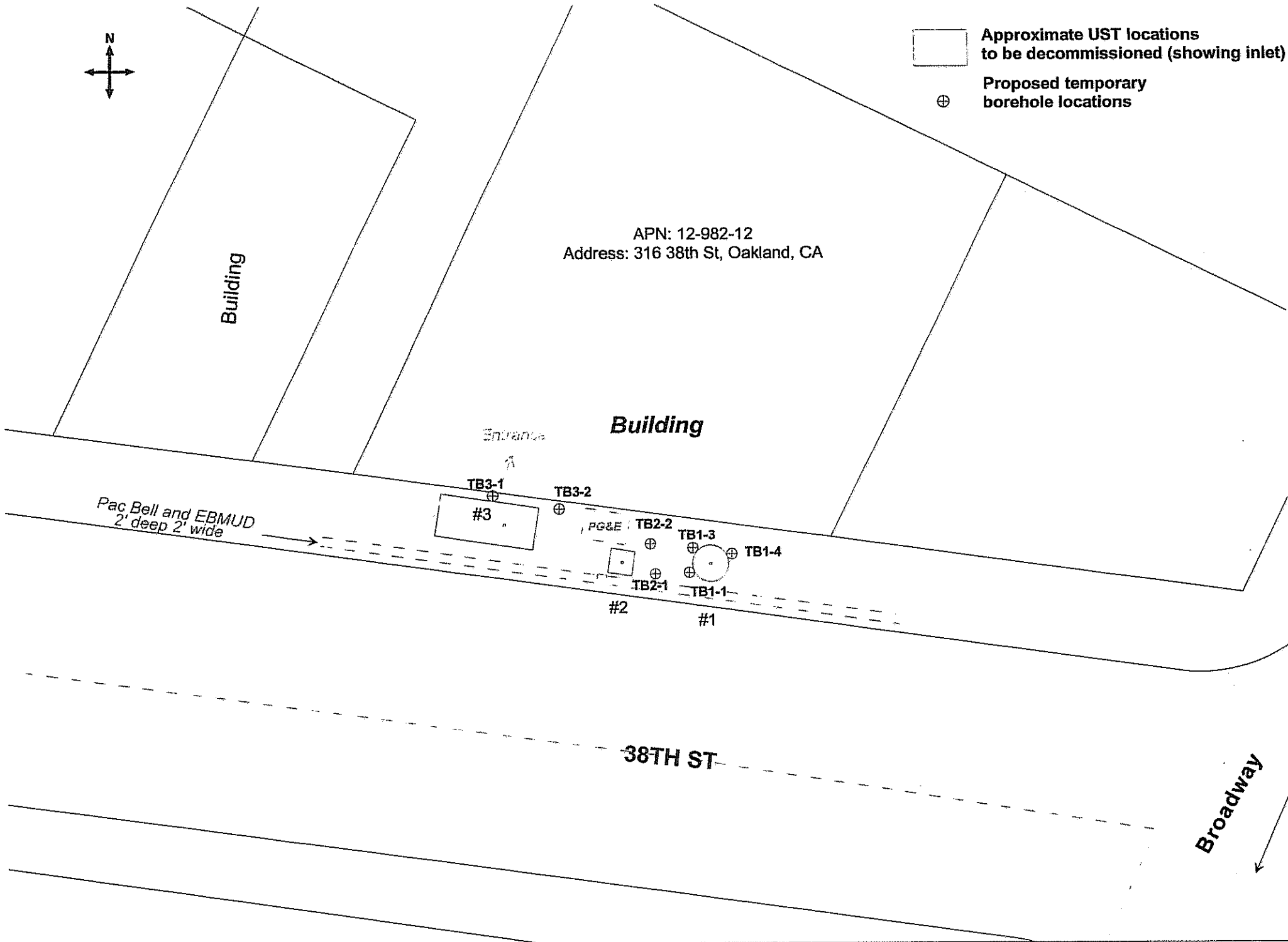
PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger to 5 ft. bgs.					
	5		CL	Lean Clay with Sand: Greenish-brown with black mottling; medium stiff; moist; LEK-MEK; fine- to coarse-grained sand; slight Petroleum Hydrocarbon (PHC) odor.					
	21.3		CL	Lean Clay with Sand: Black; soft; moist to wet; LEK-MEK; fine- to coarse-grained sand; slight PHC odor.					
	10								
	15								
	20								
	25								

COMMENTS: TD @ 10 ft. bgs.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



approximate scale in feet

Figure 1: Map showing approximate UST locations and proposed





GEOLOGIC LOG OF BOREHOLE: TB3-1

PAGE 1 OF 1

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 8 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger to 5 ft. bgs.				
	5		SP	Sand (Fill): Brown; loose; dry; MEK; fine- to medium-grained sand; no Petroleum Hydrocarbon (PHC) odor.				
1.9								
0.3			CL	Lean Clay with Sand: Dark greenish-gray; soft; moist to wet; LEK-MEK; fine- to medium-grained sand; no PHC odor.				
3.5	10							
39.5				PHC odor increases at 13 ft. bgs.				
244.9								
15			CL-ML	Silty Clay: Greenish-gray; medium stiff; moist; LEK; PHC odor.				
3.9	7.5							
	20							
	25							

COMMENTS:

CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED

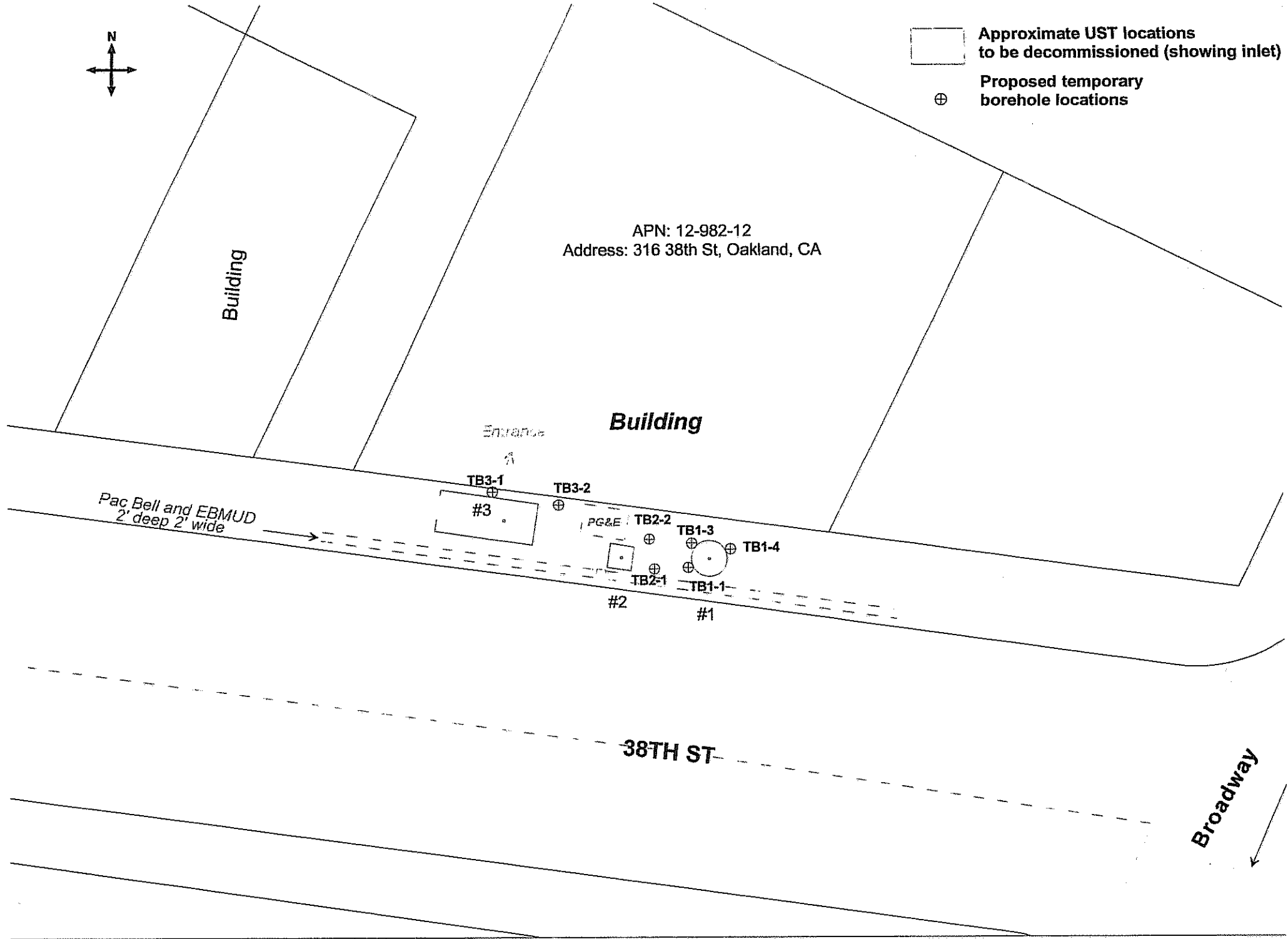


Figure 1: Map showing approximate UST locations and proposed





GEOLOGIC LOG OF BOREHOLE: TB3-2

PAGE 1 OF 1

PROJECT: 2722

DATE DRILLED: 11/21/2008

SITE LOCATION: 316 38th St., Oakland

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

DEPTH TO GW: 5 ft. bgs.

DRILLING METHOD: Direct Push (DP)

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 2.25"

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger to 5 ft. bgs.					
4.3	5		SP	Sand (Fill): Brown; loose; saturated; fine- to medium-grained sand; no Petroleum Hydrocarbon (PHC) odor.			▽		
23.3	10								
16.8			CL	Lean Clay with Sand: Dark greenish-gray; soft; very moist; LEK-MEK; fine- to medium-grained sand; slight PHC odor.					
270			CL-ML	Silty Clay: Greenish-gray; medium stiff; moist; LEK; PHC odor.					
34.2	15								
7.1									
	20								
	25								

COMMENTS:

TB3-2 @ 17 ft TB3-2 @ 14 ft

Appendix D

Waste Disposal Manifests and Other Relevant Documentation

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 CAC002636705	2. Page 1 of 1	3. Emergency Response Phone NRCS 610-749-1390	4. Manifest Tracking Number 004242708 JJK		
5. Generator's Name and Mailing Address EARL THOMPSON JR. - C/O SOMA 76 COURT STREET QUINCY CA 95571			Generator's Site Address (if different than mailing address) EARL THOMPSON JR. 316 39TH STREET OAKLAND CA 94609				
Generator's Phone: 525 930-6600							
6. Transporter 1 Company Name NRC ENVIRONMENTAL SERVICES INC.			U.S. EPA ID Number CAR000030114				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Crosby & Overton, Inc. 1930 W. 17th Street Long Beach CA 90813			U.S. EPA ID Number CAD025405019				
Facility's Phone: 562 432-5445							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	
X	1. RC WASTE FLAMMABLE LIQUID, N.O.S. (KEROSENE, WATER) 3 UN1993, PG III (RC: D001)		001 TT		03022	G	
	2.						
	3.						
	4.						
13. Waste Codes 343 D001							
14. Special Handling Instructions and Additional Information WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. JOB#/PO#: 38830 PROFILE#: 58057 CONSULTANT: SOMA ENVIRONMENTAL ENGINEERING 6620 OWENS DRIVE PLEASANTON, CA 94550 NRC ENVIRONMENTAL SERVICES 1605 FERRY POINT ALAMEDA, CA 94501							
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/packaged, 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/Officer's Printed/Typed Name Elena Manzo			Signature 		Month Day Year 11/26/08		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name DAVID DOLLIVER			Signature 		Month Day Year 11/26/08		
Transporter 2 Printed/Typed Name			Signature		Month Day Year		
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input checked="" type="checkbox"/> Full Rejection Rejected due to non conforming waste stream.							
18b. Alternate Facility (or Generator) DeMenna Kerdoon 2000 N. Alameda Concord, CA 94022			U.S. EPA ID Number CAT080013552				
Facility's Phone: 310-537-7100							
18c. Signature of Alternate Facility (or Generator) 			Month Day Year 12/01/08				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name Michelle Dalot			Signature 		Month Day Year 12/01/08		

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number EXEMPT	2. Page 1 of 1	3. Emergency Response Phone NRCS: 510 749-1390	4. Waste Tracking Number 38830-01
5. Generator's Name and Mailing Address EARL THOMPSON, JR. - C/O SOMA 6620 OWENS DRIVE PLEASANTON CA 94550			Generator's Site Address (if different than mailing address) EARL THOMPSON, JR. 75 COURT STREET QUINCY CA		
Generator's Phone: 926 734-6400					
6. Transporter 1 Company Name NRC ENVIRONMENTAL SERVICES INC.			U.S. EPA ID Number CAR000030114		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Esso Green Oil, Inc. 6620 Smith Ave. Newark CA 94560			U.S. EPA ID Number CAD030887418		
Facility's Phone: 510 785-4400					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. NON-HAZARDOUS WASTE, LIQUID (WATER, TRACE HYDROCARBONS)		001	TT	2980	G
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 38830 CONSULTANT: SOMA ENVIRONMENTAL ENGINEERING - 6620 OWENS DRIVE PLEASANTON, CA 94550 NRCS - 1605 FERRY POINT ALAMEDA, CA 94501					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name Jesse Arcellu		Signature <i>[Signature]</i>		Month Day Year 11 18 08	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name John C. [unclear]		Signature <i>[Signature]</i>		Month Day Year 11 18 08	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name KARAN J SINGH		Signature <i>[Signature]</i>		Month Day Year 11 18 08	

GENERATOR ↓ INT'L ↓ TRANSPORTER ↓ DESIGNATED FACILITY	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number EXEMPT		2. Page 1 of 1		3. Emergency Response Phone NRCES 510 742-1390		4. Waste Tracking Number 38830-02				
	5. Generator's Name and Mailing Address EARL THOMPSON, JR. - C/O SOMA 8620 OWENS DRIVE PLEASANTON CA 94550						Generator's Site Address (if different than mailing address) ALL MANSOUR SEPEHR EARL THOMPSON, JR. 75 COURT STREET QUINCY CA						
	6. Transporter 1 Company Name NRC ENVIRONMENTAL SERVICES INC						U.S. EPA ID Number CAR000030114						
	7. Transporter 2 Company Name						U.S. EPA ID Number						
8. Designated Facility Name and Site Address Evergreen Oil, Inc. 6880 Smith Ave. Newark CA 94560 Facility's Phone: 510 735-4405												U.S. EPA ID Number CAD0000867418	
9. Waste Shipping Name and Description					10. Containers		11. Total Quantity		12. Unit Wt./Vol.				
					No. Type								
1. NON-HAZARDOUS WASTE, LIQUID (WATER, TRACE HYDROCARBONS)					001 TT		3700		g		NONE		
2.													
3.													
4.													
13. Special Handling Instructions and Additional Information: WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 38830 CONSULTANT: SOMA ENVIRONMENTAL ENGINEERING - 5620 OWENS DRIVE PLEASANTON, CA 94550 NRCES - 1605 FERRY POINT ALAMEDA, CA 94501													
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.													
Generator's/Officer's Printed/Typed Name Jesse Acadillo						Signature <i>[Signature]</i>		Month 11		Day 18		Year 08	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____													
16. Transporter Acknowledgment of Receipt of Materials													
Transporter 1 Printed/Typed Name Paul Carnevali						Signature <i>[Signature]</i>		Month 11		Day 18		Year 08	
Transporter 2 Printed/Typed Name						Signature		Month		Day		Year	
17. Discrepancy													
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
17b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____													
Facility's Phone: _____													
17c. Signature of Alternate Facility (or Generator) Month _____ Day _____ Year _____													
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a													
Printed/Typed Name CARLOS ALCANTARA						Signature <i>[Signature]</i>		Month 11		Day 18		Year 08	

OAKLAND FIRE DEPARTMENT/FIRE PREVENTION BUREAU HAZARDOUS MATERIALS UNIT

250 FRANK H. OGAWA PLAZA, SUITE 3341, OAKLAND, CA 94612-2032 • (510) 238-3927

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
	Private Property	316 38th St.	09

Inspection Report

☐ PERMISSION TO INSPECT GRANTED

10:00

Summa Environmental

Met/Ekins/Jessie

925 754 6100

841 5001

RE: Tripple Rinsing of 3 Tanks in propn
in closure in place.

Tripple Rinsing of TKS was completed
@ 16:00 hrs

Slurry addition will commence @ 08:00 hrs,
19 Nov 08.

Area is closed
18 Nov 08 16:00 hrs

<p>Facility Contact/Print Name:</p> <p style="text-align: center;">Jessie</p> <p>Facility Contact/Signature:</p> <p style="text-align: center;">Jo Annell</p>	<p>Inspected By:</p> <p style="text-align: center;">(KMU)</p> <p style="text-align: center;">238-3927</p> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Insp. Griffin 238-7759 <input checked="" type="checkbox"/> Insp. Matthews 238-2396 <input type="checkbox"/> Insp. Krupers 238-7054 <input type="checkbox"/> _____ </div> <div> <p>Date: 18 Nov 08</p> </div> </div>
---	--

OAKLAND FIRE DEPARTMENT/FIRE PREVENTION BUREAU HAZARDOUS MATERIALS UNIT

250 FRANK H. OGAWA PLAZA, SUITE 3341, OAKLAND, CA 94612-2032 • (510) 238-3927

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
	Earl Thompson Jr. Property	316 38th St	94612

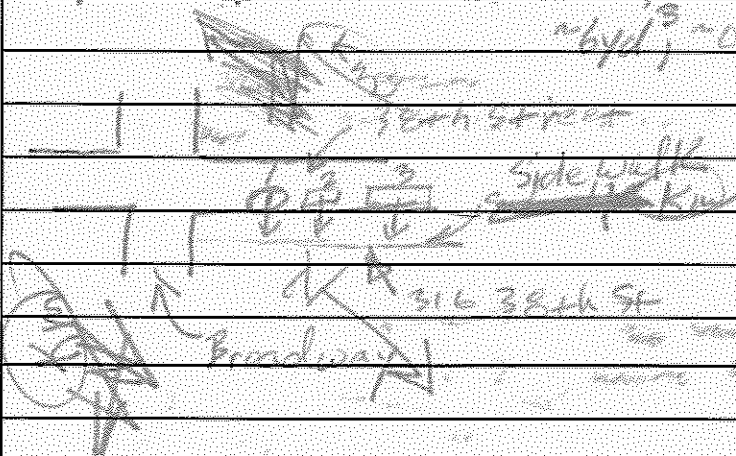
Inspection Report

☒ PERMISSION TO INSPECT GRANTED

0800 - 12:30

Met Jessi of Soma Environmental / NEC / Rad / MIX
Permit TO 7-24

RE: Fill 300' x 3K, 0.2K + 4K UST w/ slurry
~6yd³, ~0.2yd³, ~11yd³ slurry



The USTs are all under the side walk.

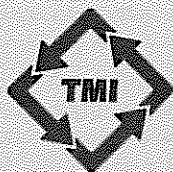
The vents will be filled w/ slurry by hand.

Geoprobe. Slant Borings 2' beneath Trenches w/ 1/2" Kevlar
Will occur x 09:00 hrs on 20 Nov 08

<p>Facility Contact/Print Name:</p> <p>Jessi Acadillo 925-899-5009</p> <p>Facility Contact/Signature:</p> <p><i>Jessi Acadillo</i></p>	<p>Inspected By:</p> <p><i>[Signature]</i></p> <p>238-3927</p> <p> <input type="checkbox"/> Insp. Griffin 238-7759 <input checked="" type="checkbox"/> Insp. Matthews 238-2396 <input type="checkbox"/> Insp. Krupers 238-7054 <input type="checkbox"/> _____ </p> <p>Date: 19 Nov 08</p>
--	--

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number EXEMPT		2. Page 1 of 1		3. Emergency Response Phone NRCS 510 749-1330		4. Waste Tracking Number 38230-07			
	5. Generator's Name and Mailing Address EARL THOMPSON, JR. - C/O SOMA 6620 OWENS DRIVE PLEASANTON CA 94550						Generator's Site Address (if different than mailing address) EARL THOMPSON, JR. 75 COURT STREET QUINCY CA					
	6. Transporter 1 Company Name NRC ENVIRONMENTAL SERVICES INC.						U.S. EPA ID Number CAR000030114					
	7. Transporter 2 Company Name						U.S. EPA ID Number					
	8. Designated Facility Name and Site Address Evergreen Oil, Inc. 5380 Smith Ave. Newark CA 94560						U.S. EPA ID Number CAD000007418					
	Facility's Phone: 510 725 4100											
	9. Waste Shipping Name and Description				10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
					No.	Type						
	1. NON-HAZARDOUS WASTE, LIQUID (WATER, TRACE HYDROCARBONS)				001 TT		3700	g	NONE			
	2.											
3.												
4.												
13. Special Handling Instructions and Additional Information WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 38830 CONSULTANT: SOMA ENVIRONMENTAL ENGINEERING - 6620 OWENS DRIVE PLEASANTON, CA 94550 NRCS - 1605 FERRY POINT ALAMEDA, CA 94501												
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.												
Generator's/Officer's Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____												
TRANSPORTER	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____											
	16. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name _____ Signature _____						Month _____ Day _____ Year _____					
	Transporter 2 Printed/Typed Name _____ Signature _____						Month _____ Day _____ Year _____					
DESIGNATED FACILITY	17. Discrepancy											
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number: _____											
	17b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____											
	Facility's Phone: _____											
17c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____												
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a												
Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____												

1. Generator ID Number <div style="text-align: center; font-weight: bold; font-size: 1.2em;">EXEMPT</div>	2. Page 1 of <div style="text-align: center;">1</div>	3. Emergency Response Phone NRCS: 510 749-1390	4. Waste Tracking Number <div style="text-align: center; font-weight: bold; font-size: 1.2em;">33230-01</div>																											
Mailing Address EARL THOMPSON, JR. - C/O SOMA 660 OWENS DRIVE PLEASANTON, CA 94550																														
Generator's Site Address (if different than mailing address) EARL THOMPSON, JR. 75 COURT STREET QUINCY, CA																														
Generator's Phone: 926 734-6400																														
6. Transporter 1 Company Name NRC ENVIRONMENTAL SERVICES INC.		U.S. EPA ID Number CAR 000030114																												
7. Transporter 2 Company Name		U.S. EPA ID Number																												
8. Designated Facility Name and Site Address Evergreen Oil, Inc. 6880 Smith Ave. Newark, CA 94560 Facility's Phone: 510 795-4400		U.S. EPA ID Number <div style="text-align: center; font-weight: bold; font-size: 1.2em;">CAD 080887418</div>																												
GENERATOR	9. Waste Shipping Name and Description		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">10. Containers</th> <th rowspan="2">11. Total Quantity</th> <th rowspan="2">12. Unit Wt./Vol.</th> <th rowspan="2"></th> </tr> <tr> <th>No.</th> <th>Type</th> </tr> <tr> <td style="text-align: center;">001</td> <td style="text-align: center;">TT</td> <td style="text-align: center;">2280</td> <td style="text-align: center;">0</td> <td style="text-align: center;">NONE</td> </tr> <tr> <td style="text-align: center;">2.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4.</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	10. Containers		11. Total Quantity	12. Unit Wt./Vol.		No.	Type	001	TT	2280	0	NONE	2.					3.					4.				
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TRAFFIC MANAGEMENT, INC.

License No. 785804, Class C31

- ☐ Los Angeles - 2435 Lemon Ave. : Signal Hill : 90755 : 562-595-4278
☐ Sacramento - 208 Otto Circle Suite #2 : Sacramento : 95822 : 916-394-2200
☐ San Diego - 5745 Kearny Villa Rd. #112 : San Diego : 92123 : 858-277-1908
☒ San Francisco - 2315 Dunn Rd. : Hayward : 94545 : 510-293-0227

WORK RECEIPT & EMPLOYEE TIME RECORD

119511

TMI ORDER #: 247775

CUSTOMER NAME:

DATE:

DAY:

CUSTOMER ADDRESS:

CITY:

STATE:

ZIP:

CUSTOMER CONTACT:

CUSTOMER PHONE:

CUSTOMER FAX:

JOB ADDRESS:

CITY:

PROJECT INFO / BUILDING NAME:

CUSTOMER WORK DESCRIPTION:

SERVICE DESCRIPTION (TRAFFIC CONTROL OR OTHER WORK PERFORMED): SPECIFY NUMBER OF LANES, STREET NAME, AND DIRECTION OF EACH STREET AFFECTED.
 USE SEPARATE SERVICE RECEIPTS FOR ADDITIONAL WORK AREAS.

SERVICE DETAILS FOR JOBS MAINTAINED BY TMI EMPLOYEES, CHECK SETUP & MAINTAIN AND LIST ALL EQUIPMENT USED FOR JOB IN EQUIPMENT SECTION BELOW.
 FOR JOBS NOT MAINTAINED BY TMI EMPLOYEES, CHECK SETUP/PICKUP AND COMPLETELY FILL OUT RENTAL & EQUIPMENT SECTIONS BELOW.

EMPLOYEE NAME	TRUCK #	TRAVEL START	ON JOB	CUST WORK		LEAVE JOB	TRAVEL END	TOTAL HOURS	WORK TYPE	P.W.
				START	FINISH					
Paul W. Atwood	899	700 AM	750 PM	900 AM	320 PM	330 PM	AM PM		<input checked="" type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
Lu's Sanchez	899	700 AM	730 PM	900 AM	320 PM	330 PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>

RENTAL DETAILS FOR ANY JOB WHERE EQUIPMENT IS LEFT WITHOUT TMI SUPERVISION, FILL OUT THIS SECTION COMPLETELY

<input type="checkbox"/> RENTAL OUT		<input type="checkbox"/> RENTAL RETURN		<input type="checkbox"/> TMI YARD (NO SERVICE)		<input type="checkbox"/> (WITH SETUP/PICKUP SERVICE) <input type="checkbox"/> (DROP-OFF/PICKUP ONLY)	
EQUIPMENT				CUST. JOBSITE			
QTY.	ITEM TYPE	DESCRIPTION	(D)AMAGED (M)ISSING	QTY.	ITEM TYPE	DESCRIPTION	(D)AMAGED (M)ISSING
6	F.A.S.	Unit #'s:		X	SIGNS AND OTHER EQUIPMENT (list below)		
	C.M.S.	Unit #'s:					
9	BARRICADES	Type-I <input type="checkbox"/> w/ Light					
	BARRICADES	Type III <input type="checkbox"/> w/ Light					
50	CONES	<input type="checkbox"/> Reflective					
	DELINEATORS	<input type="checkbox"/> T-Top					
1	SIGN STANDS	<input type="checkbox"/> w/ Spring					

RECEIVED / ACKNOWLEDGED BY: print

sign

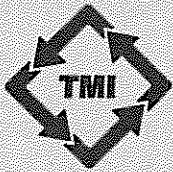
date

SEE BACK OF FORM FOR TERMS AND CONDITIONS.

WHITE - JOB FOLDER

YELLOW - RECORDS

PINK - CUSTOMER



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☐ San Francisco - 2315 Dunn Rd. : Hayward : 94545 : 510-293-0227

WORK RECEIPT & EMPLOYEE TIME RECORD

119512

TMI ORDER #:

24775

CUSTOMER NAME:

DATE:

DAY:

CUSTOMER ADDRESS:

CITY:

STATE:

ZIP:

CUSTOMER CONTACT:

CUSTOMER PHONE:

CUSTOMER FAX:

JOB ADDRESS:

CITY:

PROJECT INFO / BUILDING NAME:

CUSTOMER WORK DESCRIPTION:

SERVICE DESCRIPTION (TRAFFIC CONTROL OR OTHER WORK PERFORMED): SPECIFY NUMBER OF LANES, STREET NAME, AND DIRECTION OF EACH STREET AFFECTED. USE SEPARATE SERVICE RECEIPTS FOR ADDITIONAL WORK AREAS.

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EMPLOYEE NAME	TRUCK #	TRAVEL START	ON JOB	CUST WORK		LEAVE JOB	TRAVEL END	TOTAL HOURS	WORK TYPE	P.W.
				START	FINISH					
Luis Sanchez	899	5:00 AM PM	5:30 AM PM	6:30 AM PM	4:00 AM PM	4:00 AM PM	AM PM		<input checked="" type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
Paul Wintrob	895	5:00 AM PM	5:30 AM PM	6:30 AM PM	7:30 AM PM	7:30 AM PM	10:00 AM PM	5	<input checked="" type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
Kent King	877	9:21 AM PM	10:00 AM PM	10:00 AM PM	4:00 AM PM	4:00 AM PM	AM PM		<input checked="" type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>

RENTAL DETAILS FOR ANY JOB WHERE EQUIPMENT IS LEFT WITHOUT TMI SUPERVISION, FILL OUT THIS SECTION COMPLETELY

<input type="checkbox"/> RENTAL OUT		<input type="checkbox"/> RENTAL RETURN		<input type="checkbox"/> TMI YARD (NO SERVICE)		<input type="checkbox"/> (WITH SETUP/PICKUP SERVICE)		<input type="checkbox"/> (DROP-OFF/PICKUP ONLY)	
EQUIPMENT				CUST. JOBSITE					
QTY.	ITEM TYPE	DESCRIPTION	(D)AMAGED (M)ISSING	QTY.	ITEM TYPE	DESCRIPTION	(D)AMAGED (M)ISSING		
	F.A.S.	Unit #'s:		SIGN AND OTHER EQUIPMENT (list below)					
	C.M.S.	Unit #'s:							
2	BARRICADES	Type-I <input type="checkbox"/> w/ Light		2	Metals	sidewalk closed ahead cross here			
	BARRICADES	Type III <input type="checkbox"/> w/ Light							
45	CONES	<input type="checkbox"/> Reflective							
	DELINEATORS	<input type="checkbox"/> T-Top							
1	SIGN STANDS	<input type="checkbox"/> w/ Spring		1	Fabric	RWA			

RECEIVED / ACKNOWLEDGED BY: print

sign

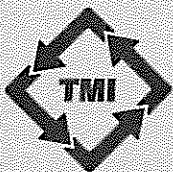
date

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☐ San Francisco - 2315 Dunn Rd. : Hayward : 94545 : 510-293-0227

WORK RECEIPT & EMPLOYEE TIME RECORD

119292

TMI ORDER #: 24775

CUSTOMER NAME:

DATE:

DAY:

CUSTOMER ADDRESS:

CITY:

STATE:

ZIP:

CUSTOMER CONTACT:

CUSTOMER PHONE:

CUSTOMER FAX:

JOB ADDRESS:

CITY:

PROJECT INFO / BUILDING NAME:

CUSTOMER WORK DESCRIPTION:

SERVICE DESCRIPTION (TRAFFIC CONTROL OR OTHER WORK PERFORMED): SPECIFY NUMBER OF LANES, STREET NAME, AND DIRECTION OF EACH STREET AFFECTED. USE SEPARATE SERVICE RECEIPTS FOR ADDITIONAL WORK AREAS.

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EMPLOYEE NAME	TRUCK #	TRAVEL START	ON JOB	CUST WORK		LEAVE JOB	TRAVEL END	TOTAL HOURS	WORK TYPE	P.W.
				START	FINISH					
Hunt King	894	7:00 AM PM	7:30 AM PM	8:00 AM PM	2:00 PM PM	2:30 PM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
Chase Vancey	894	7:00 AM PM	7:30 AM PM	8:00 AM PM	2:00 PM PM	2:30 PM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>
		AM PM	AM PM	AM PM	AM PM	AM PM	AM PM		<input type="checkbox"/> SETUP & MAINTAIN <input type="checkbox"/> SETUP/PICKUP ONLY	<input type="checkbox"/>

RENTAL DETAILS FOR ANY JOB WHERE EQUIPMENT IS LEFT WITHOUT TMI SUPERVISION, FILL OUT THIS SECTION COMPLETELY

<input type="checkbox"/> RENTAL OUT	<input type="checkbox"/> RENTAL RETURN	<input type="checkbox"/> TMI YARD (NO SERVICE)	<input type="checkbox"/> (WITH SETUP/PICKUP SERVICE)	<input type="checkbox"/> (DROP-OFF/PICKUP ONLY)			
EQUIPMENT			CUST. JOBSITE				
QTY.	ITEM TYPE	DESCRIPTION	(D)AMAGED (M)ISSING	QTY.	ITEM TYPE	DESCRIPTION	(D)AMAGED (M)ISSING
	F.A.S.	Unit #'s:			SIGNS AND OTHER EQUIPMENT (list below)		
	C.M.S.	Unit #'s:					
	BARRICADES	Type-I <input type="checkbox"/> w/ Light					
2	BARRICADES	Type III <input type="checkbox"/> w/ Light					
35	CONES	<input type="checkbox"/> Reflective					
	DELINEATORS	<input type="checkbox"/> T-Top					
1	SIGN STANDS	<input type="checkbox"/> w/ Spring					

RECEIVED / ACKNOWLEDGED BY: print

sign

date

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WHITE - JOB FOLDER

YELLOW - RECORDS

PINK - CUSTOMER

Elena Manzo

From: support@usan.org
Sent: Monday, November 10, 2008 2:05 PM
To: emanzo@somaenv.com
Subject: USAN 2008/11/10 #00000 0577894-000 NORM NEW

00000 USAN 11/10/08 14:04:34 0577894 NORMAL NOTICE

Message Number: 0577894 Received by USAN at 13:54 on 11/10/08 by EKS

Work Begins: 11/17/08 at 09:00 Notice: 035 hrs Priority: 2

Expires: 12/08/08 at 17:00 Update By: 12/04/08 at 16:59

Caller: ELENA MANZO
Company: SOMA ENVIRONMENTAL
Address: 2680 BISHOP STE 203, SAN RAMON
City: SAN RAMON State: CA Zip: 94583
Business Tel: 925-734-6400 Fax: 925-734-6401
Email Address: EMANZO@SOMAENV.COM

Nature of Work: VERTICAL BORING FOR SOIL/GROUNDWTR SAMPL

Done for: P/O THOMPSON JR. Explosives: N

Foreman: CALLER

Field Tel: Cell Tel: 510-381-3457

Area Premarked: Y Premark Method: WHITE PAINT

Permit Type: COUNTY Number: PENDING

Vac / Pwr Equip Use In The Approx Location Of Member Facilities Requested: N Excavation Enters Into Street Or Sidewalk Area: Y

Location:

Street Address: 316 38TH ST

Cross Street: BROADWAY

SIWLK AREA IN FRT/O ADDR (INCL PROP/L TO PROP/L)

Place: OAKLAND County: ALAMEDA State: CA

Long/Lat Long: -122.259656 Lat: 37.824831 Long: -122.255657 Lat: 37.826944

Sent to:

COALAM = COUNTY ALAMEDA COMOAK = COMCAST-OAKLAND
CTYOAK = CITY OAKLAND CONST DEPT EBWCMS = EAST BAY WATER
KAISER = KAISER FNDA HEALTH PBTHAY = PACIFIC BELL HAYWARD
PGEOAK = PGE DISTR OAKLAND

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Appendix E

Photographic Documentation



Plate 1: Site prior to decommissioning with boring locations and USTs marked



Plate 2: Site prior to decommissioning with boring locations and USTs marked



Plate 3: Small fill port (Tank 2)



Plate 4: Small fill port (Tank 3)



Plate 5: Construction activities and 38th Street road closure (Kaiser Permanente)



Plate 6: Construction activities and 38th Street road closure (Kaiser Permanente)



Plate 7: Parked vehicles prior to decommissioning



Plate 8: "No boring" signs next to Tank 2



Plate 9: "No boring" signs and utility lines markings next to Tank 2



Plate 10: Decommissioning activities, area security



Plate 11: Decommissioning activities, area security



Plate 12: Decommissioning activities, tank purging and triple-rinsing



Plate 13: Decommissioning activities, cement truck with slurry mix

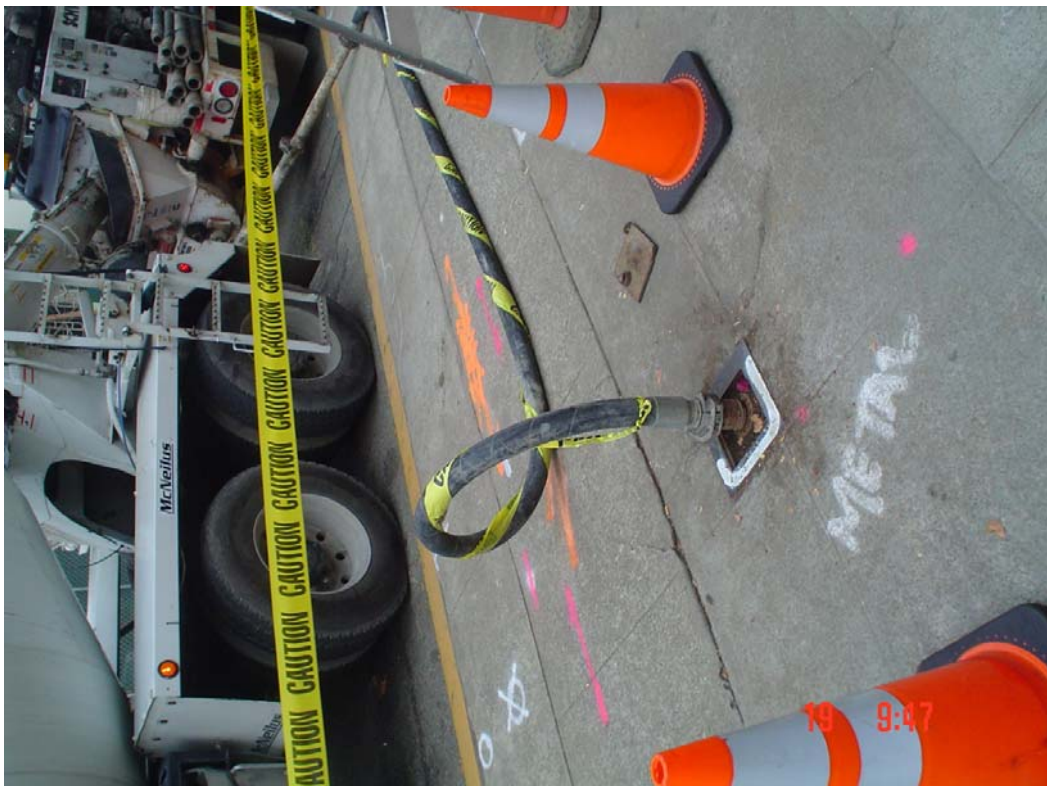


Plate 14: Decommissioning activities, filling tanks with slurry mix

Appendix F

Laboratory Report and Chain of Custody Form

ANALYTICAL REPORT

Job Number: 720-17056-1

Job Description: 316 38th ST Oakland

For:

Soma Environmental Engineering
6620 Owens Drive, Suite A
Pleasanton, CA 94588

Attention: Ms. Joyce Bobek



Approved for release.
Dimple Sharma
Project Manager I
12/8/2008 1:23 PM

Designee for
Surinder Sidhu
Customer Service Manager
surinder.sidhu@testamericainc.com
12/08/2008
Revision: 1

cc: Ms. Erica Fisker

Job Narrative
720-J17056-1

Comments

No additional comments.

Receipt

Received 2 samples with the ID TB1-1. One of them was not on COC sampled 11-20-08 @16:00. Logged on hold.

One or more containers for the following sample was received broken or leaking: TB1-3 3 voas. They appeared to have been frozen. There is still enough voas for the analyses.

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

GC/MS VOA

Method(s) 8260B/CA_LUFTMS: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 44412 was outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B/CA_LUFTMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 44503 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: TB1-3 @ 14 FT (720-17056-20), TB3-2 @ 14 FT (720-17056-46). Evidence of matrix interference is present; re-extraction and/or re-analysis was performed.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: TB2-1 @ 6 FT (720-17056-31). Evidence of matrix interference is present; confirmed by MS/MSD.

Method(s) 8260B: The following volatiles sample(s) was diluted due to matrix interference (hydrocarbons): TB2-2 @ 10 FT (720-17056-36). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch#44481 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: TB3-1 @ 14 FT (720-17056-41). Evidence of matrix interference is present; re-extraction and/or re-analysis was performed.

Method(s) 8260B: Isopropylbenzene value for sample 720-17056-41 is estimated only due to out of calibration range. High level methanol extraction is ND.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: Surrogate Nitrobenzene-d5 recovery for the following sample(s) was outside control limits: TB1-1 @ 18 FT (720-17056-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS/LCSD/MS/MSD associated with batch 44435 had 2 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 44435 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

Method(s) 3010A: The following sample(s) submitted for metals analysis was received with insufficient preservation (pH >2): TB1-3 (720-17056-2), TB1-4 (720-17056-3), TB2-1 (720-17056-4), TB2-2 (720-17056-5), TB3-1 (720-17056-6).

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 44337 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: TB1-3 (720-17056-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: TB1-4 (720-17056-3), TB2-1 (720-17056-4), TB2-2 (720-17056-5). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: TB1-3 (720-17056-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-1 TB1-1					
sec-Butylbenzene		1.4	1.0	ug/L	8260B
tert-Butylbenzene		4.3	1.0	ug/L	8260B
1,2-Dichlorobenzene		1.5	0.50	ug/L	8260B
TBA		9.3	5.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		2600	50	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		7400	250	ug/L	8015B
Kerosene Range Organics (C9-C19)		7500	250	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		2700	250	ug/L	8015B
Lead		0.011	0.0050	mg/L	6010B
720-17056-2 TB1-3					
sec-Butylbenzene		1.6	1.0	ug/L	8260B
tert-Butylbenzene		5.3	1.0	ug/L	8260B
1,2-Dichlorobenzene		2.3	0.50	ug/L	8260B
TBA		28	5.0	ug/L	8260B/CA_LUFTMS
Benzene		0.54	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		29000	50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		1700	1.0	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		8700	250	ug/L	8015B
Kerosene Range Organics (C9-C19)		12000	250	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		7900	250	ug/L	8015B
Lead		1.6	0.050	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-3	TB1-4				
Acetone		160	50	ug/L	8260B
n-Butylbenzene		4.2	1.0	ug/L	8260B
sec-Butylbenzene		4.6	1.0	ug/L	8260B
Chloroform		1.1	1.0	ug/L	8260B
1,2-Dichlorobenzene		0.62	0.50	ug/L	8260B
1,1-Dichloroethane		1.3	0.50	ug/L	8260B
1,2-Dichloroethane		3.6	0.50	ug/L	8260B
cis-1,2-Dichloroethene		0.69	0.50	ug/L	8260B
1,2-Dichloropropane		5.2	0.50	ug/L	8260B
Isopropylbenzene		8.0	0.50	ug/L	8260B
4-Isopropyltoluene		5.0	1.0	ug/L	8260B
N-Propylbenzene		15	1.0	ug/L	8260B
Tetrachloroethene		1.8	0.50	ug/L	8260B
Trichloroethene		1.1	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		92	0.50	ug/L	8260B
1,3,5-Trimethylbenzene		35	0.50	ug/L	8260B
TBA		7.3	5.0	ug/L	8260B/CA_LUFTMS
Benzene		0.75	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1400	50	ug/L	8260B/CA_LUFTMS
Toluene		10	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		59	1.0	ug/L	8260B/CA_LUFTMS
1,2-Dichloroethane		3.6	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		6.5	0.50	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		290	50	ug/L	8015B
Kerosene Range Organics (C9-C19)		600	50	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		520	50	ug/L	8015B
Lead		3.4	0.050	mg/L	6010B
720-17056-4	TB2-1				
n-Butylbenzene		11	1.0	ug/L	8260B
sec-Butylbenzene		21	1.0	ug/L	8260B
tert-Butylbenzene		5.1	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.81	0.50	ug/L	8260B
Isopropylbenzene		19	0.50	ug/L	8260B
Naphthalene		98	1.0	ug/L	8260B
N-Propylbenzene		24	1.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		28000	500	ug/L	8260B/CA_LUFTMS
Ethylbenzene		9.1	5.0	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		52000	2500	ug/L	8015B
Kerosene Range Organics (C9-C19)		97000	2500	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		110000	2500	ug/L	8015B
Lead		2.0	0.050	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-5	TB2-2				
Acetone		70	50	ug/L	8260B
sec-Butylbenzene		1.9	1.0	ug/L	8260B
tert-Butylbenzene		4.2	1.0	ug/L	8260B
1,2-Dichlorobenzene		1.8	0.50	ug/L	8260B
Naphthalene		1.5	1.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		12000	500	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		330000	10000	ug/L	8015B
Kerosene Range Organics (C9-C19)		560000	10000	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		560000	10000	ug/L	8015B
Lead		4.7	0.050	mg/L	6010B
720-17056-6	TB3-1				
tert-Butylbenzene		1.5	1.0	ug/L	8260B
cis-1,2-Dichloroethene		1.0	0.50	ug/L	8260B
Isopropylbenzene		1.1	0.50	ug/L	8260B
Naphthalene		19	1.0	ug/L	8260B
1,2,4-Trimethylbenzene		2.5	0.50	ug/L	8260B
1,3,5-Trimethylbenzene		1.6	0.50	ug/L	8260B
Benzene		22	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1100	50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		5.8	1.0	ug/L	8260B/CA_LUFTMS
MTBE		1.3	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		2.1	0.50	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		700	50	ug/L	8015B
Kerosene Range Organics (C9-C19)		730	50	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		490	50	ug/L	8015B
Lead		0.38	0.0050	mg/L	6010B
720-17056-7	TB3-2				
1,2-Dichlorobenzene		0.63	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.59	0.50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		890	50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		0.55	0.50	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		230	50	ug/L	8015B
Kerosene Range Organics (C9-C19)		170	50	ug/L	8015B
Stoddard Solvent Range Organics (C9-C13)		140	50	ug/L	8015B
Lead		1.2	0.0050	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-12 TB1-1 @ 18 FT					
Gasoline Range Organics (GRO)-C5-C12		0.91	0.24	mg/Kg	8260B/CA_LUFTMS
Phenol		0.97	0.066	mg/Kg	8270C
Naphthalene		0.28	0.066	mg/Kg	8270C
2-Methylnaphthalene		0.16	0.066	mg/Kg	8270C
Phenanthrene		0.089	0.066	mg/Kg	8270C
Pyrene		0.068	0.066	mg/Kg	8270C
Diesel Range Organics [C10-C28]		110	2.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		150	2.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		170	2.0	mg/Kg	8015B
Lead		3.0	1.0	mg/Kg	6010B
720-17056-17 TB1-1 @ 27 FT					
Lead		5.1	1.1	mg/Kg	6010B
720-17056-20 TB1-3 @ 14 FT					
sec-Butylbenzene		86	22	ug/Kg	8260B
tert-Butylbenzene		50	22	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		1600	49	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		66	0.99	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		110	0.99	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		120	0.99	mg/Kg	8015B
Lead		6.6	0.97	mg/Kg	6010B
720-17056-27 TB1-3 @ 27 FT					
Diesel Range Organics [C10-C28]		1.0	0.99	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		2.8	0.99	mg/Kg	8015B
Lead		5.8	1.0	mg/Kg	6010B
720-17056-30 TB1-4 @ 27 FT					
Gasoline Range Organics (GRO)-C5-C12		2.0	0.24	mg/Kg	8260B/CA_LUFTMS
Kerosene Range Organics (C9-C19)		4.0	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		2.2	1.0	mg/Kg	8015B
Lead		5.9	0.98	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-31 TB2-1 @ 6 FT					
Acetone		70	50	ug/Kg	8260B
sec-Butylbenzene		8.1	5.0	ug/Kg	8260B
tert-Butylbenzene		19	5.0	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		750	48	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		18	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		35	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		39	1.0	mg/Kg	8015B
Lead		7.2	1.0	mg/Kg	6010B
720-17056-33 TB2-1 @ 10 FT					
Acetone		58	49	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		120	47	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		1.8	0.98	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		3.6	0.98	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		1.7	0.98	mg/Kg	8015B
Lead		5.4	1.0	mg/Kg	6010B
720-17056-36 TB2-2 @ 10 FT					
Acetone		150	120	ug/Kg	8260B
tert-Butylbenzene		14	12	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		140	49	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		79	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		130	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		150	1.0	mg/Kg	8015B
Lead		14	0.96	mg/Kg	6010B
720-17056-41 TB3-1 @ 14 FT					
n-Butylbenzene		230	24	ug/Kg	8260B
sec-Butylbenzene		420	24	ug/Kg	8260B
tert-Butylbenzene		26	24	ug/Kg	8260B
Isopropylbenzene		1200	24	ug/Kg	8260B
4-Isopropyltoluene		150	24	ug/Kg	8260B
Naphthalene		480	48	ug/Kg	8260B
N-Propylbenzene		910	24	ug/Kg	8260B
1,2,4-Trimethylbenzene		350	24	ug/Kg	8260B
1,3,5-Trimethylbenzene		45	24	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		3800	120	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		81	0.99	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		120	0.99	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		130	0.99	mg/Kg	8015B
Lead		3.0	1.1	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-43	TB3-1 @ 17 FT				
Kerosene Range Organics (C9-C19)		3.3	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		1.4	1.0	mg/Kg	8015B
Lead		3.4	0.98	mg/Kg	6010B
720-17056-46	TB3-2 @ 14 FT				
Acetone		64	49	ug/Kg	8260B
sec-Butylbenzene		30	4.9	ug/Kg	8260B
tert-Butylbenzene		23	4.9	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		3200	48	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		4100	240	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		5.5	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		7.9	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		5.5	1.0	mg/Kg	8015B
Lead		6.7	1.1	mg/Kg	6010B
720-17056-48	TB3-2 @ 17 FT				
n-Butylbenzene		14	4.9	ug/Kg	8260B
sec-Butylbenzene		12	4.9	ug/Kg	8260B
Isopropylbenzene		23	4.9	ug/Kg	8260B
4-Isopropyltoluene		16	4.9	ug/Kg	8260B
Naphthalene		18	9.8	ug/Kg	8260B
N-Propylbenzene		23	4.9	ug/Kg	8260B
1,2,4-Trimethylbenzene		49	4.9	ug/Kg	8260B
1,3,5-Trimethylbenzene		44	4.9	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		210	46	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		3.7	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		7.0	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		5.6	1.0	mg/Kg	8015B
Lead		3.5	1.1	mg/Kg	6010B

METHOD SUMMARY

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Ultrasonic Extraction	TAL SF		SW846 3550B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Total Metals	TAL SF		SW846 3010A

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

SAMPLE SUMMARY

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-17056-1	TB1-1	Water	11/21/2008 0810	11/24/2008 1151
720-17056-2	TB1-3	Water	11/20/2008 1320	11/24/2008 1151
720-17056-3	TB1-4	Water	11/21/2008 0820	11/24/2008 1151
720-17056-4	TB2-1	Water	11/21/2008 1255	11/24/2008 1151
720-17056-5	TB2-2	Water	11/21/2008 0805	11/24/2008 1151
720-17056-6	TB3-1	Water	11/21/2008 1500	11/24/2008 1151
720-17056-7	TB3-2	Water	11/21/2008 1328	11/24/2008 1151
720-17056-12	TB1-1 @ 18 FT	Solid	11/21/2008 0933	11/24/2008 1151
720-17056-17	TB1-1 @ 27 FT	Solid	11/21/2008 1011	11/24/2008 1151
720-17056-20	TB1-3 @ 14 FT	Solid	11/20/2008 1452	11/24/2008 1151
720-17056-27	TB1-3 @ 27 FT	Solid	11/20/2008 1545	11/24/2008 1151
720-17056-30	TB1-4 @ 27 FT	Solid	11/21/2008 1101	11/24/2008 1151
720-17056-31	TB2-1 @ 6 FT	Solid	11/20/2008 1304	11/24/2008 1151
720-17056-33	TB2-1 @ 10 FT	Solid	11/20/2008 1322	11/24/2008 1151
720-17056-36	TB2-2 @ 10 FT	Solid	11/20/2008 1426	11/24/2008 1151
720-17056-41	TB3-1 @ 14 FT	Solid	11/21/2008 1403	11/24/2008 1151
720-17056-43	TB3-1 @ 17 FT	Solid	11/21/2008 1410	11/24/2008 1151
720-17056-46	TB3-2 @ 14 FT	Solid	11/21/2008 1237	11/24/2008 1151
720-17056-48	TB3-2 @ 17 FT	Solid	11/21/2008 1300	11/24/2008 1151

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1

Lab Sample ID: 720-17056-1

Client Matrix: Water

Date Sampled: 11/21/2008 0810

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44481

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120108\SA-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/01/2008 1303

Final Weight/Volume: 40 mL

Date Prepared: 12/01/2008 1303

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	1.4		1.0
tert-Butylbenzene	4.3		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	1.5		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1

Lab Sample ID: 720-17056-1

Client Matrix: Water

Date Sampled: 11/21/2008 0810

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44481

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120108\SA-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/01/2008 1303

Final Weight/Volume: 40 mL

Date Prepared: 12/01/2008 1303

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	98	74 - 131	
1,2-Dichloroethane-d4 (Surr)	123	76 - 132	
Toluene-d8 (Surr)	108	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3

Lab Sample ID: 720-17056-2

Client Matrix: Water

Date Sampled: 11/20/2008 1320

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44481

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120108\sa-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/01/2008 1518

Final Weight/Volume: 40 mL

Date Prepared: 12/01/2008 1518

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	1.6		1.0
tert-Butylbenzene	5.3		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	2.3		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3

Lab Sample ID: 720-17056-2

Client Matrix: Water

Date Sampled: 11/20/2008 1320

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44481

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120108\sa-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/01/2008 1518

Final Weight/Volume: 40 mL

Date Prepared: 12/01/2008 1518

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	96	74 - 131	
1,2-Dichloroethane-d4 (Surr)	126	76 - 132	
Toluene-d8 (Surr)	103	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4

Lab Sample ID: 720-17056-3

Client Matrix: Water

Date Sampled: 11/21/2008 0820

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44584

Instrument ID: Varian 3900F

Preparation: 5030B

Lab File ID: e:\200812\120308\SA-WA

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/03/2008 1118

Final Weight/Volume: 40 mL

Date Prepared: 12/03/2008 1118

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	160		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	4.2		1.0
sec-Butylbenzene	4.6		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	1.1		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	0.62		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	1.3		0.50
1,2-Dichloroethane	3.6		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	0.69		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	5.2		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	8.0		0.50
4-Isopropyltoluene	5.0		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4

Lab Sample ID: 720-17056-3

Client Matrix: Water

Date Sampled: 11/21/2008 0820

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44584

Instrument ID: Varian 3900F

Preparation: 5030B

Lab File ID: e:\200812\120308\SA-WA

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/03/2008 1118

Final Weight/Volume: 40 mL

Date Prepared: 12/03/2008 1118

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	15		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	1.8		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	1.1		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	92		0.50
1,3,5-Trimethylbenzene	35		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	96	74 - 131	
1,2-Dichloroethane-d4 (Surr)	104	76 - 132	
Toluene-d8 (Surr)	105	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1

Lab Sample ID: 720-17056-4

Client Matrix: Water

Date Sampled: 11/21/2008 1255

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44538

Instrument ID: Varian 3900F

Preparation: 5030B

Lab File ID: e:\200812\120208\SA-WA

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1417

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1417

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	11		1.0
sec-Butylbenzene	21		1.0
tert-Butylbenzene	5.1		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	0.81		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	19		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	98		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1

Lab Sample ID: 720-17056-4

Client Matrix: Water

Date Sampled: 11/21/2008 1255

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44538

Instrument ID: Varian 3900F

Preparation: 5030B

Lab File ID: e:\200812\120208\SA-WA

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1417

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1417

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	24		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	100	74 - 131	
1,2-Dichloroethane-d4 (Surr)	106	76 - 132	
Toluene-d8 (Surr)	106	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2

Lab Sample ID: 720-17056-5

Client Matrix: Water

Date Sampled: 11/21/2008 0805

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44602

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120308\sa-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/03/2008 1406

Final Weight/Volume: 40 mL

Date Prepared: 12/03/2008 1406

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	70		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	1.9		1.0
tert-Butylbenzene	4.2		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	1.8		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	1.5		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2

Lab Sample ID: 720-17056-5

Client Matrix: Water

Date Sampled: 11/21/2008 0805

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44602

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120308\sa-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/03/2008 1406

Final Weight/Volume: 40 mL

Date Prepared: 12/03/2008 1406

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	98	74 - 131	
1,2-Dichloroethane-d4 (Surr)	113	76 - 132	
Toluene-d8 (Surr)	105	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6

Client Matrix: Water

Date Sampled: 11/21/2008 1500

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44537

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120208\SA-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1400

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1400

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	1.5		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	1.0		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	1.1		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	19		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6

Client Matrix: Water

Date Sampled: 11/21/2008 1500

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44537

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120208\SA-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1400

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1400

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	2.5		0.50
1,3,5-Trimethylbenzene	1.6		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	103	74 - 131	
1,2-Dichloroethane-d4 (Surr)	104	76 - 132	
Toluene-d8 (Surr)	101	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2

Lab Sample ID: 720-17056-7

Client Matrix: Water

Date Sampled: 11/21/2008 1328

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44537

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120208\SA-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1327

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1327

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	0.63		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2

Lab Sample ID: 720-17056-7

Client Matrix: Water

Date Sampled: 11/21/2008 1328

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44537

Instrument ID: Varian 3900G

Preparation: 5030B

Lab File ID: e:\data\200812\120208\SA-

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1327

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1327

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	0.59		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	104	74 - 131	
1,2-Dichloroethane-d4 (Surr)	106	76 - 132	
Toluene-d8 (Surr)	100	82 - 120	

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12

Client Matrix: Solid

Date Sampled: 11/21/2008 0933

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44339	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44322	Lab File ID:	112508038.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Date Analyzed:	11/26/2008 0035			Final Weight/Volume:	10 mL
Date Prepared:	11/25/2008 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		9.9

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12

Client Matrix: Solid

Date Sampled: 11/21/2008 0933

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44339

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44322

Lab File ID: 112508038.D

Dilution: 1.0

Initial Weight/Volume: 5.03 g

Date Analyzed: 11/26/2008 0035

Final Weight/Volume: 10 mL

Date Prepared: 11/25/2008 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		90		52 - 128
1,2-Dichloroethane-d4 (Surr)		104		67 - 110
Toluene-d8 (Surr)		103		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 27 FT

Lab Sample ID: 720-17056-17

Client Matrix: Solid

Date Sampled: 11/21/2008 1011

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44339	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44322	Lab File ID:	112508041.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Date Analyzed:	11/26/2008 0150			Final Weight/Volume:	10 mL
Date Prepared:	11/25/2008 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		10
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		10
Chloroform		ND		5.0
Chloromethane		ND		10
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		10
Dichlorodifluoromethane		ND		10
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		10
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		10

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 27 FT

Lab Sample ID: 720-17056-17

Client Matrix: Solid

Date Sampled: 11/21/2008 1011

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44339

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44322

Lab File ID: 112508041.D

Dilution: 1.0

Initial Weight/Volume: 5.02 g

Date Analyzed: 11/26/2008 0150

Final Weight/Volume: 10 mL

Date Prepared: 11/25/2008 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		86		52 - 128
1,2-Dichloroethane-d4 (Surr)		98		67 - 110
Toluene-d8 (Surr)		89		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 14 FT

Lab Sample ID: 720-17056-20

Client Matrix: Solid

Date Sampled: 11/20/2008 1452

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608038.D

Dilution: 1.0

Initial Weight/Volume: 1.16 g

Date Analyzed: 11/26/2008 2241

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		22
Acetone		ND		220
Dichlorobromomethane		ND		22
Bromobenzene		ND		22
Chlorobromomethane		ND		86
Bromoform		ND		22
Bromomethane		ND		43
2-Butanone (MEK)		ND		220
n-Butylbenzene		ND		22
sec-Butylbenzene		86		22
tert-Butylbenzene		50		22
Carbon disulfide		ND		22
Carbon tetrachloride		ND		22
Chlorobenzene		ND		22
Chloroethane		ND		43
Chloroform		ND		22
Chloromethane		ND		43
2-Chlorotoluene		ND		22
4-Chlorotoluene		ND		22
Chlorodibromomethane		ND		22
1,2-Dichlorobenzene		ND		22
1,3-Dichlorobenzene		ND		22
1,4-Dichlorobenzene		ND		22
1,3-Dichloropropane		ND		22
1,1-Dichloropropene		ND		22
1,2-Dibromo-3-Chloropropane		ND		220
Ethylene Dibromide		ND		22
Dibromomethane		ND		43
Dichlorodifluoromethane		ND		43
1,1-Dichloroethane		ND		22
1,2-Dichloroethane		ND		22
1,1-Dichloroethene		ND		22
cis-1,2-Dichloroethene		ND		22
trans-1,2-Dichloroethene		ND		22
1,2-Dichloropropane		ND		22
cis-1,3-Dichloropropene		ND		22
trans-1,3-Dichloropropene		ND		22
Hexachlorobutadiene		ND		22
2-Hexanone		ND		220
Isopropylbenzene		ND		22
4-Isopropyltoluene		ND		22
Methylene Chloride		ND		43
4-Methyl-2-pentanone (MIBK)		ND		220
Naphthalene		ND		43

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 14 FT

Lab Sample ID: 720-17056-20

Date Sampled: 11/20/2008 1452

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608038.D

Dilution: 1.0

Initial Weight/Volume: 1.16 g

Date Analyzed: 11/26/2008 2241

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		22
Styrene		ND		22
1,1,1,2-Tetrachloroethane		ND		22
1,1,2,2-Tetrachloroethane		ND		22
Tetrachloroethene		ND		22
1,2,3-Trichlorobenzene		ND		22
1,2,4-Trichlorobenzene		ND		22
1,1,1-Trichloroethane		ND		22
1,1,2-Trichloroethane		ND		22
Trichloroethene		ND		22
Trichlorofluoromethane		ND		22
1,2,3-Trichloropropane		ND		22
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		22
1,2,4-Trimethylbenzene		ND		22
1,3,5-Trimethylbenzene		ND		22
Vinyl acetate		ND		220
Vinyl chloride		ND		22
2,2-Dichloropropane		ND		22
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		183	X	52 - 128
1,2-Dichloroethane-d4 (Surr)		101		67 - 110
Toluene-d8 (Surr)		105		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 27 FT

Lab Sample ID: 720-17056-27

Client Matrix: Solid

Date Sampled: 11/20/2008 1545

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44339	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44322	Lab File ID:	112508043.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	11/26/2008 0240			Final Weight/Volume:	10 mL
Date Prepared:	11/25/2008 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		10
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		10
Chloroform		ND		5.0
Chloromethane		ND		10
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		10
Dichlorodifluoromethane		ND		10
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		10
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		10

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 27 FT

Lab Sample ID: 720-17056-27

Client Matrix: Solid

Date Sampled: 11/20/2008 1545

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44339

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44322

Lab File ID: 112508043.D

Dilution: 1.0

Initial Weight/Volume: 5.00 g

Date Analyzed: 11/26/2008 0240

Final Weight/Volume: 10 mL

Date Prepared: 11/25/2008 1600

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		88		52 - 128
1,2-Dichloroethane-d4 (Surr)		94		67 - 110
Toluene-d8 (Surr)		89		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4 @ 27 FT

Lab Sample ID: 720-17056-30

Client Matrix: Solid

Date Sampled: 11/21/2008 1101

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44365	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44350	Lab File ID:	112608008.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	11/26/2008 1002			Final Weight/Volume:	10 mL
Date Prepared:	11/26/2008 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		10
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		10
Chloroform		ND		5.0
Chloromethane		ND		10
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		10
Dichlorodifluoromethane		ND		10
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		10
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		10

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4 @ 27 FT

Lab Sample ID: 720-17056-30

Date Sampled: 11/21/2008 1101

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44365

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44350

Lab File ID: 112608008.D

Dilution: 1.0

Initial Weight/Volume: 5.00 g

Date Analyzed: 11/26/2008 1002

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		95		52 - 128
1,2-Dichloroethane-d4 (Surr)		95		67 - 110
Toluene-d8 (Surr)		92		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 6 FT

Lab Sample ID: 720-17056-31

Client Matrix: Solid

Date Sampled: 11/20/2008 1304

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608045.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Date Analyzed: 11/27/2008 0137

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		70		50
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		8.1		5.0
tert-Butylbenzene		19		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		9.9

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 6 FT

Lab Sample ID: 720-17056-31

Client Matrix: Solid

Date Sampled: 11/20/2008 1304

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608045.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Date Analyzed: 11/27/2008 0137

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		221	X	52 - 128
1,2-Dichloroethane-d4 (Surr)		92		67 - 110
Toluene-d8 (Surr)		83		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 10 FT

Lab Sample ID: 720-17056-33

Client Matrix: Solid

Date Sampled: 11/20/2008 1322

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44365	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44350	Lab File ID:	112608009.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	11/26/2008 1027			Final Weight/Volume:	10 mL
Date Prepared:	11/26/2008 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Acetone		58		49
Dichlorobromomethane		ND		4.9
Bromobenzene		ND		4.9
Chlorobromomethane		ND		20
Bromoform		ND		4.9
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		49
n-Butylbenzene		ND		4.9
sec-Butylbenzene		ND		4.9
tert-Butylbenzene		ND		4.9
Carbon disulfide		ND		4.9
Carbon tetrachloride		ND		4.9
Chlorobenzene		ND		4.9
Chloroethane		ND		9.9
Chloroform		ND		4.9
Chloromethane		ND		9.9
2-Chlorotoluene		ND		4.9
4-Chlorotoluene		ND		4.9
Chlorodibromomethane		ND		4.9
1,2-Dichlorobenzene		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,3-Dichloropropane		ND		4.9
1,1-Dichloropropene		ND		4.9
1,2-Dibromo-3-Chloropropane		ND		49
Ethylene Dibromide		ND		4.9
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		4.9
1,2-Dichloroethane		ND		4.9
1,1-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
trans-1,2-Dichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
Hexachlorobutadiene		ND		4.9
2-Hexanone		ND		49
Isopropylbenzene		ND		4.9
4-Isopropyltoluene		ND		4.9
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		49
Naphthalene		ND		9.9

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 10 FT

Lab Sample ID: 720-17056-33

Client Matrix: Solid

Date Sampled: 11/20/2008 1322

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44365

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44350

Lab File ID: 112608009.D

Dilution: 1.0

Initial Weight/Volume: 5.06 g

Date Analyzed: 11/26/2008 1027

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.9
Styrene		ND		4.9
1,1,1,2-Tetrachloroethane		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
Tetrachloroethene		ND		4.9
1,2,3-Trichlorobenzene		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9
1,1,1-Trichloroethane		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Trichloroethene		ND		4.9
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
1,2,4-Trimethylbenzene		ND		4.9
1,3,5-Trimethylbenzene		ND		4.9
Vinyl acetate		ND		4.9
Vinyl chloride		ND		4.9
2,2-Dichloropropane		ND		4.9
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		126		52 - 128
1,2-Dichloroethane-d4 (Surr)		99		67 - 110
Toluene-d8 (Surr)		97		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2 @ 10 FT

Lab Sample ID: 720-17056-36

Client Matrix: Solid

Date Sampled: 11/20/2008 1426

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44467	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44388	Lab File ID:	112608039.D
Dilution:	1.0			Initial Weight/Volume:	2.10 g
Date Analyzed:	11/26/2008 2306			Final Weight/Volume:	10 mL
Date Prepared:	11/26/2008 1725				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		12
Acetone		150		120
Dichlorobromomethane		ND		12
Bromobenzene		ND		12
Chlorobromomethane		ND		48
Bromoform		ND		12
Bromomethane		ND		24
2-Butanone (MEK)		ND		120
n-Butylbenzene		ND		12
sec-Butylbenzene		ND		12
tert-Butylbenzene		14		12
Carbon disulfide		ND		12
Carbon tetrachloride		ND		12
Chlorobenzene		ND		12
Chloroethane		ND		24
Chloroform		ND		12
Chloromethane		ND		24
2-Chlorotoluene		ND		12
4-Chlorotoluene		ND		12
Chlorodibromomethane		ND		12
1,2-Dichlorobenzene		ND		12
1,3-Dichlorobenzene		ND		12
1,4-Dichlorobenzene		ND		12
1,3-Dichloropropane		ND		12
1,1-Dichloropropene		ND		12
1,2-Dibromo-3-Chloropropane		ND		120
Ethylene Dibromide		ND		12
Dibromomethane		ND		24
Dichlorodifluoromethane		ND		24
1,1-Dichloroethane		ND		12
1,2-Dichloroethane		ND		12
1,1-Dichloroethene		ND		12
cis-1,2-Dichloroethene		ND		12
trans-1,2-Dichloroethene		ND		12
1,2-Dichloropropane		ND		12
cis-1,3-Dichloropropene		ND		12
trans-1,3-Dichloropropene		ND		12
Hexachlorobutadiene		ND		12
2-Hexanone		ND		120
Isopropylbenzene		ND		12
4-Isopropyltoluene		ND		12
Methylene Chloride		ND		24
4-Methyl-2-pentanone (MIBK)		ND		120
Naphthalene		ND		24

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2 @ 10 FT

Lab Sample ID: 720-17056-36

Client Matrix: Solid

Date Sampled: 11/20/2008 1426

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608039.D

Dilution: 1.0

Initial Weight/Volume: 2.10 g

Date Analyzed: 11/26/2008 2306

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		12
Styrene		ND		12
1,1,1,2-Tetrachloroethane		ND		12
1,1,2,2-Tetrachloroethane		ND		12
Tetrachloroethene		ND		12
1,2,3-Trichlorobenzene		ND		12
1,2,4-Trichlorobenzene		ND		12
1,1,1-Trichloroethane		ND		12
1,1,2-Trichloroethane		ND		12
Trichloroethene		ND		12
Trichlorofluoromethane		ND		12
1,2,3-Trichloropropane		ND		12
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,2,4-Trimethylbenzene		ND		12
1,3,5-Trimethylbenzene		ND		12
Vinyl acetate		ND		120
Vinyl chloride		ND		12
2,2-Dichloropropane		ND		12
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		117		52 - 128
1,2-Dichloroethane-d4 (Surr)		101		67 - 110
Toluene-d8 (Surr)		98		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 14 FT

Lab Sample ID: 720-17056-41

Client Matrix: Solid

Date Sampled: 11/21/2008 1403

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-44467	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-44388	Lab File ID: 112608042.D
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	11/27/2008 0022		Final Weight/Volume: 10 mL
Date Prepared:	11/26/2008 1725		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		24
Acetone		ND		240
Dichlorobromomethane		ND		24
Bromobenzene		ND		24
Chlorobromomethane		ND		96
Bromoform		ND		24
Bromomethane		ND		48
2-Butanone (MEK)		ND		240
n-Butylbenzene		230		24
sec-Butylbenzene		420		24
tert-Butylbenzene		26		24
Carbon disulfide		ND		24
Carbon tetrachloride		ND		24
Chlorobenzene		ND		24
Chloroethane		ND		48
Chloroform		ND		24
Chloromethane		ND		48
2-Chlorotoluene		ND		24
4-Chlorotoluene		ND		24
Chlorodibromomethane		ND		24
1,2-Dichlorobenzene		ND		24
1,3-Dichlorobenzene		ND		24
1,4-Dichlorobenzene		ND		24
1,3-Dichloropropane		ND		24
1,1-Dichloropropene		ND		24
1,2-Dibromo-3-Chloropropane		ND		240
Ethylene Dibromide		ND		24
Dibromomethane		ND		48
Dichlorodifluoromethane		ND		48
1,1-Dichloroethane		ND		24
1,2-Dichloroethane		ND		24
1,1-Dichloroethene		ND		24
cis-1,2-Dichloroethene		ND		24
trans-1,2-Dichloroethene		ND		24
1,2-Dichloropropane		ND		24
cis-1,3-Dichloropropene		ND		24
trans-1,3-Dichloropropene		ND		24
Hexachlorobutadiene		ND		24
2-Hexanone		ND		240
Isopropylbenzene		1200		24
4-Isopropyltoluene		150		24
Methylene Chloride		ND		48
4-Methyl-2-pentanone (MIBK)		ND		240
Naphthalene		480		48

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 14 FT

Lab Sample ID: 720-17056-41

Client Matrix: Solid

Date Sampled: 11/21/2008 1403

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-44467	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-44388	Lab File ID: 112608042.D
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	11/27/2008 0022		Final Weight/Volume: 10 mL
Date Prepared:	11/26/2008 1725		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		910		24
Styrene		ND		24
1,1,1,2-Tetrachloroethane		ND		24
1,1,2,2-Tetrachloroethane		ND		24
Tetrachloroethene		ND		24
1,2,3-Trichlorobenzene		ND		24
1,2,4-Trichlorobenzene		ND		24
1,1,1-Trichloroethane		ND		24
1,1,2-Trichloroethane		ND		24
Trichloroethene		ND		24
Trichlorofluoromethane		ND		24
1,2,3-Trichloropropane		ND		24
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		24
1,2,4-Trimethylbenzene		350		24
1,3,5-Trimethylbenzene		45		24
Vinyl acetate		ND		240
Vinyl chloride		ND		24
2,2-Dichloropropane		ND		24
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		124		52 - 128
1,2-Dichloroethane-d4 (Surr)		96		67 - 110
Toluene-d8 (Surr)		116	X	58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 17 FT

Lab Sample ID: 720-17056-43

Client Matrix: Solid

Date Sampled: 11/21/2008 1410

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608040.D

Dilution: 1.0

Initial Weight/Volume: 5.00 g

Date Analyzed: 11/26/2008 2331

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		10
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		10
Chloroform		ND		5.0
Chloromethane		ND		10
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		10
Dichlorodifluoromethane		ND		10
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		10
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		10

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 17 FT

Lab Sample ID: 720-17056-43

Client Matrix: Solid

Date Sampled: 11/21/2008 1410

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608040.D

Dilution: 1.0

Initial Weight/Volume: 5.00 g

Date Analyzed: 11/26/2008 2331

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
2,2-Dichloropropane		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		95		52 - 128
1,2-Dichloroethane-d4 (Surr)		96		67 - 110
Toluene-d8 (Surr)		94		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 14 FT

Lab Sample ID: 720-17056-46

Client Matrix: Solid

Date Sampled: 11/21/2008 1237

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44467	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44388	Lab File ID:	112608041.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Date Analyzed:	11/26/2008 2356			Final Weight/Volume:	10 mL
Date Prepared:	11/26/2008 1725				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Acetone		64		49
Dichlorobromomethane		ND		4.9
Bromobenzene		ND		4.9
Chlorobromomethane		ND		20
Bromoform		ND		4.9
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		49
n-Butylbenzene		ND		4.9
sec-Butylbenzene		30		4.9
tert-Butylbenzene		23		4.9
Carbon disulfide		ND		4.9
Carbon tetrachloride		ND		4.9
Chlorobenzene		ND		4.9
Chloroethane		ND		9.9
Chloroform		ND		4.9
Chloromethane		ND		9.9
2-Chlorotoluene		ND		4.9
4-Chlorotoluene		ND		4.9
Chlorodibromomethane		ND		4.9
1,2-Dichlorobenzene		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,3-Dichloropropane		ND		4.9
1,1-Dichloropropene		ND		4.9
1,2-Dibromo-3-Chloropropane		ND		49
Ethylene Dibromide		ND		4.9
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		4.9
1,2-Dichloroethane		ND		4.9
1,1-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
trans-1,2-Dichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
Hexachlorobutadiene		ND		4.9
2-Hexanone		ND		49
Isopropylbenzene		ND		4.9
4-Isopropyltoluene		ND		4.9
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		49
Naphthalene		ND		9.9

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 14 FT

Lab Sample ID: 720-17056-46

Client Matrix: Solid

Date Sampled: 11/21/2008 1237

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44467

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44388

Lab File ID: 112608041.D

Dilution: 1.0

Initial Weight/Volume: 5.07 g

Date Analyzed: 11/26/2008 2356

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 1725

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.9
Styrene		ND		4.9
1,1,1,2-Tetrachloroethane		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
Tetrachloroethene		ND		4.9
1,2,3-Trichlorobenzene		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9
1,1,1-Trichloroethane		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Trichloroethene		ND		4.9
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
1,2,4-Trimethylbenzene		ND		4.9
1,3,5-Trimethylbenzene		ND		4.9
Vinyl acetate		ND		49
Vinyl chloride		ND		4.9
2,2-Dichloropropane		ND		4.9
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		238	X	52 - 128
1,2-Dichloroethane-d4 (Surr)		93		67 - 110
Toluene-d8 (Surr)		104		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 17 FT

Lab Sample ID: 720-17056-48

Date Sampled: 11/21/2008 1300

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	720-44365	Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch:	720-44350	Lab File ID:	112608014.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Date Analyzed:	11/26/2008 1233			Final Weight/Volume:	10 mL
Date Prepared:	11/26/2008 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Acetone		ND		49
Dichlorobromomethane		ND		4.9
Bromobenzene		ND		4.9
Chlorobromomethane		ND		20
Bromoform		ND		4.9
Bromomethane		ND		9.8
2-Butanone (MEK)		ND		49
n-Butylbenzene		14		4.9
sec-Butylbenzene		12		4.9
tert-Butylbenzene		ND		4.9
Carbon disulfide		ND		4.9
Carbon tetrachloride		ND		4.9
Chlorobenzene		ND		4.9
Chloroethane		ND		9.8
Chloroform		ND		4.9
Chloromethane		ND		9.8
2-Chlorotoluene		ND		4.9
4-Chlorotoluene		ND		4.9
Chlorodibromomethane		ND		4.9
1,2-Dichlorobenzene		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,3-Dichloropropane		ND		4.9
1,1-Dichloropropene		ND		4.9
1,2-Dibromo-3-Chloropropane		ND		49
Ethylene Dibromide		ND		4.9
Dibromomethane		ND		9.8
Dichlorodifluoromethane		ND		9.8
1,1-Dichloroethane		ND		4.9
1,2-Dichloroethane		ND		4.9
1,1-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
trans-1,2-Dichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
Hexachlorobutadiene		ND		4.9
2-Hexanone		ND		49
Isopropylbenzene		23		4.9
4-Isopropyltoluene		16		4.9
Methylene Chloride		ND		9.8
4-Methyl-2-pentanone (MIBK)		ND		49
Naphthalene		18		9.8

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 17 FT

Lab Sample ID: 720-17056-48

Client Matrix: Solid

Date Sampled: 11/21/2008 1300

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44365

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44350

Lab File ID: 112608014.D

Dilution: 1.0

Initial Weight/Volume: 5.11 g

Date Analyzed: 11/26/2008 1233

Final Weight/Volume: 10 mL

Date Prepared: 11/26/2008 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		23		4.9
Styrene		ND		4.9
1,1,1,2-Tetrachloroethane		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
Tetrachloroethene		ND		4.9
1,2,3-Trichlorobenzene		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9
1,1,1-Trichloroethane		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Trichloroethene		ND		4.9
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
1,2,4-Trimethylbenzene		49		4.9
1,3,5-Trimethylbenzene		44		4.9
Vinyl acetate		ND		49
Vinyl chloride		ND		4.9
2,2-Dichloropropane		ND		4.9
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		90		52 - 128
1,2-Dichloroethane-d4 (Surr)		89		67 - 110
Toluene-d8 (Surr)		91		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1

Lab Sample ID: 720-17056-1

Client Matrix: Water

Date Sampled: 11/21/2008 0810

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44412	Instrument ID: Varian 3900E
Preparation:	5030B		Lab File ID: e:\data\200811\112608\sa-
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	11/27/2008 0218		Final Weight/Volume: 10 mL
Date Prepared:	11/27/2008 0218		

Analyte	Result (ug/L)	Qualifier	RL
TBA	9.3		5.0
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	2600		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	79		78 - 112
1,2-Dichloroethane-d4 (Surr)	72		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3

Lab Sample ID: 720-17056-2

Date Sampled: 11/20/2008 1320

Client Matrix: Water

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44503	Instrument ID: Varian 3900E
Preparation:	5030B		Lab File ID: e:\data\200812\120108\sa-
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	12/01/2008 1527		Final Weight/Volume: 10 mL
Date Prepared:	12/01/2008 1527		

Analyte	Result (ug/L)	Qualifier	RL
TBA	28		5.0
Benzene	0.54		0.50
Gasoline Range Organics (GRO)-C5-C12	29000		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	1700		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	80		78 - 112
1,2-Dichloroethane-d4 (Surr)	70		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4

Lab Sample ID: 720-17056-3

Client Matrix: Water

Date Sampled: 11/21/2008 0820

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44412

Instrument ID: Varian 3900E

Preparation: 5030B

Lab File ID: e:\data\200811\112608\sa-

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/27/2008 0241

Final Weight/Volume: 10 mL

Date Prepared: 11/27/2008 0241

Analyte	Result (ug/L)	Qualifier	RL
TBA	7.3		5.0
Benzene	0.75		0.50
Gasoline Range Organics (GRO)-C5-C12	1400		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	10		0.50
Xylenes, Total	59		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
1,2-Dichloroethane	3.6		0.50
Ethylbenzene	6.5		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	80		78 - 112
1,2-Dichloroethane-d4 (Surr)	83		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1

Lab Sample ID: 720-17056-4

Client Matrix: Water

Date Sampled: 11/21/2008 1255

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44576

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: d:\data\200812\120208\sa-

Dilution: 10

Initial Weight/Volume: 10 mL

Date Analyzed: 12/03/2008 0412

Final Weight/Volume: 10 mL

Date Prepared: 12/03/2008 0412

Analyte	Result (ug/L)	Qualifier	RL
TBA	ND		50
Benzene	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	28000		500
TAME	ND		5.0
Ethyl tert-butyl ether	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
MTBE	ND		5.0
EDB	ND		5.0
DIPE	ND	*	10
1,2-Dichloroethane	ND		5.0
Ethylbenzene	9.1		5.0
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	90		78 - 112
1,2-Dichloroethane-d4 (Surr)	101		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2

Lab Sample ID: 720-17056-5

Client Matrix: Water

Date Sampled: 11/21/2008 0805

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44503

Instrument ID: Varian 3900E

Preparation: 5030B

Lab File ID: e:\data\200812\120108\sa-

Dilution: 10

Initial Weight/Volume: 10 mL

Date Analyzed: 12/01/2008 1744

Final Weight/Volume: 10 mL

Date Prepared: 12/01/2008 1744

Analyte	Result (ug/L)	Qualifier	RL
TBA	ND		50
Benzene	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	12000		500
TAME	ND		5.0
Ethyl tert-butyl ether	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
MTBE	ND		5.0
EDB	ND		5.0
DIPE	ND		10
1,2-Dichloroethane	ND		5.0
Ethylbenzene	ND		5.0
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	81		78 - 112
1,2-Dichloroethane-d4 (Surr)	75		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6

Client Matrix: Water

Date Sampled: 11/21/2008 1500

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44503	Instrument ID: Varian 3900E
Preparation:	5030B		Lab File ID: e:\data\200812\120108\sa-
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	12/01/2008 1613		Final Weight/Volume: 10 mL
Date Prepared:	12/01/2008 1613		

Analyte	Result (ug/L)	Qualifier	RL
TBA	ND		5.0
Benzene	22		0.50
Gasoline Range Organics (GRO)-C5-C12	1100		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	5.8		1.0
MTBE	1.3		0.50
EDB	ND		0.50
DIPE	ND		1.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	2.1		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	79		78 - 112
1,2-Dichloroethane-d4 (Surr)	80		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2

Lab Sample ID: 720-17056-7

Client Matrix: Water

Date Sampled: 11/21/2008 1328

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44503

Instrument ID: Varian 3900E

Preparation: 5030B

Lab File ID: e:\data\200812\120108\sa-

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 12/01/2008 1636

Final Weight/Volume: 10 mL

Date Prepared: 12/01/2008 1636

Analyte	Result (ug/L)	Qualifier	RL
TBA	ND		5.0
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	890		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	0.55		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	78		78 - 112
1,2-Dichloroethane-d4 (Surr)	80		67 - 126

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12

Client Matrix: Solid

Date Sampled: 11/21/2008 0933

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44468	Instrument ID:	Saturn 2100
Preparation:	5030B	Prep Batch: 720-44479	Lab File ID:	d:\data\200811\112808\sa-s
Dilution:	1.0		Initial Weight/Volume:	5.11 g
Date Analyzed:	11/28/2008 1747		Final Weight/Volume:	10 mL
Date Prepared:	11/28/2008 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0049
Gasoline Range Organics (GRO)-C5-C12		0.91		0.24
TAME		ND		0.0049
Ethyl tert-butyl ether		ND		0.0049
Toluene		ND		0.0049
Xylenes, Total		ND		0.0098
MTBE		ND		0.0049
EDB		ND		0.0049
DIPE		ND		0.0049
1,2-Dichloroethane		ND		0.0049
Ethylbenzene		ND		0.0049

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	85	74 - 118
1,2-Dichloroethane-d4 (Surr)	100	54 - 134

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44484	Instrument ID:	Varian 3900A
Preparation:	5030B	Prep Batch: 720-44494	Lab File ID:	e:\data\2008\200812\12010
Dilution:	1.0		Initial Weight/Volume:	5.24 g
Date Analyzed:	12/01/2008 1716		Final Weight/Volume:	10 mL
Date Prepared:	12/01/2008 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
TBA		ND		0.0095

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	94	74 - 118
1,2-Dichloroethane-d4 (Surr)	108	54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 27 FT

Lab Sample ID: 720-17056-17

Date Sampled: 11/21/2008 1011

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44468	Instrument ID: Saturn 2100
Preparation:	5030B	Prep Batch: 720-44479	Lab File ID: d:\data\200811\112808\sa-s
Dilution:	1.0		Initial Weight/Volume: 5.34 g
Date Analyzed:	11/28/2008 1814		Final Weight/Volume: 10 mL
Date Prepared:	11/28/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		ND		0.23
TAME		ND		0.0047
Ethyl tert-butyl ether		ND		0.0047
Toluene		ND		0.0047
Xylenes, Total		ND		0.0094
MTBE		ND		0.0047
EDB		ND		0.0047
DIPE		ND		0.0047
TBA		ND		0.0094
1,2-Dichloroethane		ND		0.0047
Ethylbenzene		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		85		74 - 118
1,2-Dichloroethane-d4 (Surr)		104		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 14 FT

Lab Sample ID: 720-17056-20

Date Sampled: 11/20/2008 1452

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	200		Initial Weight/Volume: 5.13 g
Date Analyzed:	12/02/2008 1230		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.97
Gasoline Range Organics (GRO)-C5-C12		1600		49
TAME		ND	*	0.97
Ethyl tert-butyl ether		ND		0.97
Toluene		ND		0.97
Xylenes, Total		ND		1.9
MTBE		ND		0.97
EDB		ND		0.97
DIPE		ND	*	0.97
TBA		ND		1.9
1,2-Dichloroethane		ND		0.97
Ethylbenzene		ND		0.97
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		109		70 - 130
1,2-Dichloroethane-d4 (Surr)		126		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 27 FT

Lab Sample ID: 720-17056-27

Client Matrix: Solid

Date Sampled: 11/20/2008 1545

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44468	Instrument ID:	Saturn 2100
Preparation:	5030B	Prep Batch: 720-44479	Lab File ID:	d:\data\200811\112808\sa-s
Dilution:	1.0		Initial Weight/Volume:	5.02 g
Date Analyzed:	11/28/2008 1907		Final Weight/Volume:	10 mL
Date Prepared:	11/28/2008 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0050
TAME		ND		0.0050
Ethyl tert-butyl ether		ND		0.0050
Toluene		ND		0.0050
Xylenes, Total		ND		0.010
MTBE		ND		0.0050
EDB		ND		0.0050
DIPE		ND		0.0050
TBA		ND		0.010
1,2-Dichloroethane		ND		0.0050
Ethylbenzene		ND		0.0050

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	86	74 - 118
1,2-Dichloroethane-d4 (Surr)	101	54 - 134

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44484	Instrument ID:	Varian 3900A
Preparation:	5030B	Prep Batch: 720-44494	Lab File ID:	e:\data\2008\200812\12010
Dilution:	1.0		Initial Weight/Volume:	5.34 g
Date Analyzed:	12/01/2008 1739		Final Weight/Volume:	10 mL
Date Prepared:	12/01/2008 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 118
1,2-Dichloroethane-d4 (Surr)	112	54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4 @ 27 FT

Lab Sample ID: 720-17056-30

Date Sampled: 11/21/2008 1101

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44468	Instrument ID: Saturn 2100
Preparation:	5030B	Prep Batch: 720-44479	Lab File ID: d:\data\200811\112808\sa-s
Dilution:	1.0		Initial Weight/Volume: 5.28 g
Date Analyzed:	11/28/2008 2027		Final Weight/Volume: 10 mL
Date Prepared:	11/28/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		2.0		0.24
TAME		ND		0.0047
Ethyl tert-butyl ether		ND		0.0047
Toluene		ND		0.0047
Xylenes, Total		ND		0.0095
MTBE		ND		0.0047
EDB		ND		0.0047
DIPE		ND		0.0047
TBA		ND		0.0095
1,2-Dichloroethane		ND		0.0047
Ethylbenzene		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		88		74 - 118
1,2-Dichloroethane-d4 (Surr)		107		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 6 FT

Lab Sample ID: 720-17056-31

Client Matrix: Solid

Date Sampled: 11/20/2008 1304

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	200		Initial Weight/Volume: 5.22 g
Date Analyzed:	12/02/2008 1340		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.96
Gasoline Range Organics (GRO)-C5-C12		750		48
TAME		ND	*	0.96
Ethyl tert-butyl ether		ND		0.96
Toluene		ND		0.96
Xylenes, Total		ND		1.9
MTBE		ND		0.96
EDB		ND		0.96
DIPE		ND	*	0.96
TBA		ND		1.9
1,2-Dichloroethane		ND		0.96
Ethylbenzene		ND		0.96
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		88		70 - 130
1,2-Dichloroethane-d4 (Surr)		114		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 10 FT

Lab Sample ID: 720-17056-33

Date Sampled: 11/20/2008 1322

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	200		Initial Weight/Volume: 5.30 g
Date Analyzed:	12/03/2008 0505		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.94
Gasoline Range Organics (GRO)-C5-C12		120		47
TAME		ND	*	0.94
Ethyl tert-butyl ether		ND		0.94
Toluene		ND		0.94
Xylenes, Total		ND		1.9
MTBE		ND		0.94
EDB		ND		0.94
DIPE		ND	*	0.94
TBA		ND		1.9
1,2-Dichloroethane		ND		0.94
Ethylbenzene		ND		0.94
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		106		70 - 130
1,2-Dichloroethane-d4 (Surr)		113		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2 @ 10 FT

Lab Sample ID: 720-17056-36

Date Sampled: 11/20/2008 1426

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	200		Initial Weight/Volume: 5.09 g
Date Analyzed:	12/03/2008 0532		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.98
Gasoline Range Organics (GRO)-C5-C12		140		49
TAME		ND	*	0.98
Ethyl tert-butyl ether		ND		0.98
Toluene		ND		0.98
Xylenes, Total		ND		2.0
MTBE		ND		0.98
EDB		ND		0.98
DIPE		ND	*	0.98
TBA		ND		2.0
1,2-Dichloroethane		ND		0.98
Ethylbenzene		ND		0.98
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		91		70 - 130
1,2-Dichloroethane-d4 (Surr)		115		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 14 FT

Lab Sample ID: 720-17056-41

Date Sampled: 11/21/2008 1403

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	500		Initial Weight/Volume: 5.03 g
Date Analyzed:	12/03/2008 0558		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		2.5
Gasoline Range Organics (GRO)-C5-C12		3800		120
TAME		ND	*	2.5
Ethyl tert-butyl ether		ND		2.5
Toluene		ND		2.5
Xylenes, Total		ND		5.0
MTBE		ND		2.5
EDB		ND		2.5
DIPE		ND	*	2.5
TBA		ND		5.0
1,2-Dichloroethane		ND		2.5
Ethylbenzene		ND		2.5
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		125		70 - 130
1,2-Dichloroethane-d4 (Surr)		124		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 17 FT

Lab Sample ID: 720-17056-43

Client Matrix: Solid

Date Sampled: 11/21/2008 1410

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44590	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-44592	Lab File ID: e:\data\2008\200812\12020
Dilution:	1.0		Initial Weight/Volume: 5.20 g
Date Analyzed:	12/02/2008 1948		Final Weight/Volume: 10 g
Date Prepared:	12/02/2008 1800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
TAME		ND		0.0048
Ethyl tert-butyl ether		ND		0.0048
Toluene		ND		0.0048
Xylenes, Total		ND		0.0096
MTBE		ND		0.0048
EDB		ND		0.0048
DIPE		ND		0.0048
TBA		ND		0.0096
1,2-Dichloroethane		ND		0.0048
Ethylbenzene		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		93		74 - 118
1,2-Dichloroethane-d4 (Surr)		103		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 14 FT

Lab Sample ID: 720-17056-46

Date Sampled: 11/21/2008 1237

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	200		Initial Weight/Volume: 5.19 g
Date Analyzed:	12/02/2008 1407		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.96
Gasoline Range Organics (GRO)-C5-C12		3200		48
TAME		ND		0.96
Ethyl tert-butyl ether		ND		0.96
Toluene		ND		0.96
Xylenes, Total		ND		1.9
MTBE		ND		0.96
EDB		ND		0.96
DIPE		ND		0.96
TBA		ND		1.9
1,2-Dichloroethane		ND		0.96
Ethylbenzene		ND		0.96
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		111		70 - 130
1,2-Dichloroethane-d4 (Surr)		115		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 14 FT

Lab Sample ID: 720-17056-46

Date Sampled: 11/21/2008 1237

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	1000		Initial Weight/Volume: 5.19 g
Date Analyzed:	12/03/2008 0624		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		4.8
Gasoline Range Organics (GRO)-C5-C12		4100		240
TAME		ND	*	4.8
Ethyl tert-butyl ether		ND		4.8
Toluene		ND		4.8
Xylenes, Total		ND		9.6
MTBE		ND		4.8
EDB		ND		4.8
DIPE		ND	*	4.8
TBA		ND		9.6
1,2-Dichloroethane		ND		4.8
Ethylbenzene		ND		4.8
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		105		70 - 130
1,2-Dichloroethane-d4 (Surr)		109		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 17 FT

Lab Sample ID: 720-17056-48

Client Matrix: Solid

Date Sampled: 11/21/2008 1300

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-44549	Instrument ID: Saturn 2100
Preparation:	5030B-Medium	Prep Batch: 720-44594	Lab File ID: d:\data\200812\120208\sa-s
Dilution:	200		Initial Weight/Volume: 5.40 g
Date Analyzed:	12/02/2008 1527		Final Weight/Volume: 10 mL
Date Prepared:	12/02/2008 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.93
Gasoline Range Organics (GRO)-C5-C12		210		46
TAME		ND	*	0.93
Ethyl tert-butyl ether		ND		0.93
Toluene		ND		0.93
Xylenes, Total		ND		1.9
MTBE		ND		0.93
EDB		ND		0.93
DIPE		ND	*	0.93
TBA		ND		1.9
1,2-Dichloroethane		ND		0.93
Ethylbenzene		ND		0.93
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		97		70 - 130
1,2-Dichloroethane-d4 (Surr)		119		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6

Client Matrix: Water

Date Sampled: 11/21/2008 1500

Date Received: 11/24/2008 1151

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-44403	Instrument ID: Sat 2K1
Preparation:	3510C	Prep Batch: 720-44310	Lab File ID: d:\data\200811\112608\720-
Dilution:	1.0		Initial Weight/Volume: 930 mL
Date Analyzed:	11/27/2008 0008		Final Weight/Volume: 1 mL
Date Prepared:	11/25/2008 1622		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	ND		2.2
Bis(2-chloroethyl)ether	ND		2.2
2-Chlorophenol	ND		2.2
1,3-Dichlorobenzene	ND		2.2
1,4-Dichlorobenzene	ND		2.2
Benzyl alcohol	ND		5.4
1,2-Dichlorobenzene	ND		2.2
2-Methylphenol	ND		2.2
4-Methylphenol	ND		2.2
N-Nitrosodi-n-propylamine	ND		2.2
Hexachloroethane	ND		2.2
Nitrobenzene	ND		2.2
Isophorone	ND		2.2
2-Nitrophenol	ND		2.2
2,4-Dimethylphenol	ND		2.2
Bis(2-chloroethoxy)methane	ND		5.4
2,4-Dichlorophenol	ND		5.4
1,2,4-Trichlorobenzene	ND		2.2
Naphthalene	ND		2.2
4-Chloroaniline	ND		2.2
Hexachlorobutadiene	ND		2.2
4-Chloro-3-methylphenol	ND		5.4
2-Methylnaphthalene	ND		2.2
Hexachlorocyclopentadiene	ND		5.4
2,4,6-Trichlorophenol	ND		2.2
2,4,5-Trichlorophenol	ND		2.2
2-Chloronaphthalene	ND		2.2
2-Nitroaniline	ND		11
Dimethyl phthalate	ND		5.4
Acenaphthylene	ND		2.2
3-Nitroaniline	ND		5.4
Acenaphthene	ND		2.2
2,4-Dinitrophenol	ND		11
4-Nitrophenol	ND		11
Dibenzofuran	ND		2.2
2,4-Dinitrotoluene	ND		2.2
2,6-Dinitrotoluene	ND		5.4
Diethyl phthalate	ND		5.4
4-Chlorophenyl phenyl ether	ND		5.4
Fluorene	ND		2.2
4-Nitroaniline	ND		11
2-Methyl-4,6-dinitrophenol	ND		11
N-Nitrosodiphenylamine	ND		2.2
4-Bromophenyl phenyl ether	ND		5.4

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6

Client Matrix: Water

Date Sampled: 11/21/2008 1500

Date Received: 11/24/2008 1151

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-44403	Instrument ID: Sat 2K1
Preparation:	3510C	Prep Batch: 720-44310	Lab File ID: d:\data\200811\112608\720-
Dilution:	1.0		Initial Weight/Volume: 930 mL
Date Analyzed:	11/27/2008 0008		Final Weight/Volume: 1 mL
Date Prepared:	11/25/2008 1622		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Hexachlorobenzene	ND		2.2
Pentachlorophenol	ND		11
Phenanthrene	ND		2.2
Anthracene	ND		2.2
Di-n-butyl phthalate	ND		5.4
Fluoranthene	ND		2.2
Pyrene	ND		2.2
Butyl benzyl phthalate	ND		5.4
3,3'-Dichlorobenzidine	ND		5.4
Benzo[a]anthracene	ND		5.4
Bis(2-ethylhexyl) phthalate	ND		11
Chrysene	ND		2.2
Di-n-octyl phthalate	ND		22
Benzo[b]fluoranthene	ND		2.2
Benzo[a]pyrene	ND		2.2
Benzo[k]fluoranthene	ND		2.2
Indeno[1,2,3-cd]pyrene	ND		2.2
Benzo[g,h,i]perylene	ND		2.2
Benzoic acid	ND		11
Azobenzene	ND		2.2
Dibenz(a,h)anthracene	ND		2.2

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	53	6 - 98
2-Fluorobiphenyl	49	6 - 103
Terphenyl-d14	57	36 - 106
2-Fluorophenol	33	1 - 66
Phenol-d5	23	1 - 47
2,4,6-Tribromophenol	51	22 - 124

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12

Client Matrix: Solid

Date Sampled: 11/21/2008 0933

Date Received: 11/24/2008 1151

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-44483	Instrument ID:	Sat 2K1
Preparation:	3550B	Prep Batch: 720-44435	Lab File ID:	d:\data\200812\120108\720-
Dilution:	1.0		Initial Weight/Volume:	30.32 g
Date Analyzed:	12/01/2008 1553		Final Weight/Volume:	1 mL
Date Prepared:	11/28/2008 1517		Injection Volume:	1.0 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Phenol		0.97		0.066
Bis(2-chloroethyl)ether		ND		0.066
2-Chlorophenol		ND		0.066
1,3-Dichlorobenzene		ND		0.066
1,4-Dichlorobenzene		ND		0.066
Benzyl alcohol		ND		0.17
1,2-Dichlorobenzene		ND		0.066
2-Methylphenol		ND		0.066
4-Methylphenol		ND		0.066
N-Nitrosodi-n-propylamine		ND		0.066
Hexachloroethane		ND		0.066
Nitrobenzene		ND		0.066
Isophorone		ND		0.066
2-Nitrophenol		ND		0.066
2,4-Dimethylphenol		ND		0.066
Bis(2-chloroethoxy)methane		ND		0.17
2,4-Dichlorophenol		ND		0.33
1,2,4-Trichlorobenzene		ND		0.066
Naphthalene		0.28		0.066
4-Chloroaniline		ND		0.066
Hexachlorobutadiene		ND		0.066
4-Chloro-3-methylphenol		ND		0.17
2-Methylnaphthalene		0.16		0.066
Hexachlorocyclopentadiene		ND		0.17
2,4,6-Trichlorophenol		ND		0.066
2,4,5-Trichlorophenol		ND		0.066
2-Chloronaphthalene		ND		0.066
2-Nitroaniline		ND		0.33
Dimethyl phthalate		ND		0.17
Acenaphthylene		ND		0.066
3-Nitroaniline		ND		0.17
Acenaphthene		ND		0.066
2,4-Dinitrophenol		ND		0.33
4-Nitrophenol		ND		0.33
Dibenzofuran		ND		0.066
2,4-Dinitrotoluene		ND		0.066
2,6-Dinitrotoluene		ND		0.066
Diethyl phthalate		ND		0.17
4-Chlorophenyl phenyl ether		ND		0.17
Fluorene		ND		0.066
4-Nitroaniline		ND		0.33
2-Methyl-4,6-dinitrophenol		ND		0.33
N-Nitrosodiphenylamine		ND		0.066
4-Bromophenyl phenyl ether		ND		0.17

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12

Date Sampled: 11/21/2008 0933

Client Matrix: Solid

Date Received: 11/24/2008 1151

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C	Analysis Batch: 720-44483	Instrument ID: Sat 2K1
Preparation: 3550B	Prep Batch: 720-44435	Lab File ID: d:\data\200812\120108\720-
Dilution: 1.0		Initial Weight/Volume: 30.32 g
Date Analyzed: 12/01/2008 1553		Final Weight/Volume: 1 mL
Date Prepared: 11/28/2008 1517		Injection Volume: 1.0 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Hexachlorobenzene		ND		0.066
Pentachlorophenol		ND		0.33
Phenanthrene		0.089		0.066
Anthracene		ND		0.066
Di-n-butyl phthalate		ND		0.17
Fluoranthene		ND		0.066
Pyrene		0.068		0.066
Butyl benzyl phthalate		ND		0.17
3,3'-Dichlorobenzidine		ND	*	0.17
Benzo[a]anthracene		ND		0.33
Bis(2-ethylhexyl) phthalate		ND		0.33
Chrysene		ND		0.066
Di-n-octyl phthalate		ND		0.99
Benzo[b]fluoranthene		ND		0.066
Benzo[a]pyrene		ND		0.066
Benzo[k]fluoranthene		ND		0.066
Indeno[1,2,3-cd]pyrene		ND		0.066
Benzo[g,h,i]perylene		ND		0.066
Benzoic acid		ND	*	0.33
Azobenzene		ND		0.066
Dibenz(a,h)anthracene		ND		0.066

Surrogate	%Rec		Acceptance Limits
Nitrobenzene-d5	0	X	21 - 98
2-Fluorobiphenyl	75		38 - 96
Terphenyl-d14	70		32 - 117
2-Fluorophenol	59		28 - 98
Phenol-d5	84		23 - 101
2,4,6-Tribromophenol	79		37 - 114

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1

Lab Sample ID: 720-17056-1

Client Matrix: Water

Date Sampled: 11/21/2008 0810

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44532

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44469

Lab File ID: N/A

Dilution: 5.0

Initial Weight/Volume: 250 mL

Date Analyzed: 12/02/2008 1141

Final Weight/Volume: 1 mL

Date Prepared: 12/01/2008 1230

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	7400		250
Kerosene Range Organics (C9-C19)	7500		250
Stoddard Solvent Range Organics (C9-C13)	2700		250
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	0	D	50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3

Lab Sample ID: 720-17056-2

Client Matrix: Water

Date Sampled: 11/20/2008 1320

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44436

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44366

Lab File ID: N/A

Dilution: 5.0

Initial Weight/Volume: 250 mL

Date Analyzed: 12/01/2008 1823

Final Weight/Volume: 1 mL

Date Prepared: 11/26/2008 1413

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	8700		250
Kerosene Range Organics (C9-C19)	12000		250
Stoddard Solvent Range Organics (C9-C13)	7900		250
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	0	D	50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4

Lab Sample ID: 720-17056-3

Client Matrix: Water

Date Sampled: 11/21/2008 0820

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44436

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44366

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 250 mL

Date Analyzed: 11/29/2008 1102

Final Weight/Volume: 1 mL

Date Prepared: 11/26/2008 1413

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	290		50
Kerosene Range Organics (C9-C19)	600		50
Stoddard Solvent Range Organics (C9-C13)	520		50
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	77		50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1

Lab Sample ID: 720-17056-4

Client Matrix: Water

Date Sampled: 11/21/2008 1255

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44436

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44366

Lab File ID: N/A

Dilution: 50

Initial Weight/Volume: 250 mL

Date Analyzed: 12/02/2008 1207

Final Weight/Volume: 1 mL

Date Prepared: 11/26/2008 1413

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	52000		2500
Kerosene Range Organics (C9-C19)	97000		2500
Stoddard Solvent Range Organics (C9-C13)	110000		2500
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	0	D	50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2

Lab Sample ID: 720-17056-5

Date Sampled: 11/21/2008 0805

Client Matrix: Water

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44436

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44366

Lab File ID: N/A

Dilution: 200

Initial Weight/Volume: 250 mL

Date Analyzed: 12/01/2008 1918

Final Weight/Volume: 1 mL

Date Prepared: 11/26/2008 1413

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	330000		10000
Kerosene Range Organics (C9-C19)	560000		10000
Stoddard Solvent Range Organics (C9-C13)	560000		10000
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	0	D	50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6

Client Matrix: Water

Date Sampled: 11/21/2008 1500

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44436

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44366

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 250 mL

Date Analyzed: 11/29/2008 1156

Final Weight/Volume: 1 mL

Date Prepared: 11/26/2008 1413

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	700		50
Kerosene Range Organics (C9-C19)	730		50
Stoddard Solvent Range Organics (C9-C13)	490		50
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	85		50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2

Lab Sample ID: 720-17056-7

Client Matrix: Water

Date Sampled: 11/21/2008 1328

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44436

Instrument ID: HP DRO5

Preparation: 3510C

Prep Batch: 720-44366

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 250 mL

Date Analyzed: 11/29/2008 1223

Final Weight/Volume: 1 mL

Date Prepared: 11/26/2008 1413

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	230		50
Kerosene Range Organics (C9-C19)	170		50
Stoddard Solvent Range Organics (C9-C13)	140		50
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	78		50 - 150

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12

Client Matrix: Solid

Date Sampled: 11/21/2008 0933

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 2.0

Initial Weight/Volume: 30.15 g

Date Analyzed: 12/02/2008 1047

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		110		2.0
Kerosene Range Organics (C9-C19)		150		2.0
Stoddard Solvent Range Organics (C9-C13)		170		2.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		61		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 27 FT

Lab Sample ID: 720-17056-17

Date Sampled: 11/21/2008 1011

Client Matrix: Solid

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.32 g

Date Analyzed: 12/01/2008 1850

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Kerosene Range Organics (C9-C19)		ND		0.99
Stoddard Solvent Range Organics (C9-C13)		ND		0.99
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		84		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 14 FT

Lab Sample ID: 720-17056-20

Date Sampled: 11/20/2008 1452

Client Matrix: Solid

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.44 g

Date Analyzed: 12/01/2008 1918

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		66		0.99
Kerosene Range Organics (C9-C19)		110		0.99
Stoddard Solvent Range Organics (C9-C13)		120		0.99
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		80		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 27 FT

Lab Sample ID: 720-17056-27

Client Matrix: Solid

Date Sampled: 11/20/2008 1545

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.17 g

Date Analyzed: 12/01/2008 1945

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.0		0.99
Kerosene Range Organics (C9-C19)		2.8		0.99
Stoddard Solvent Range Organics (C9-C13)		ND		0.99
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		82		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4 @ 27 FT

Lab Sample ID: 720-17056-30

Date Sampled: 11/21/2008 1101

Client Matrix: Solid

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.01 g

Date Analyzed: 12/01/2008 2012

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Kerosene Range Organics (C9-C19)		4.0		1.0
Stoddard Solvent Range Organics (C9-C13)		2.2		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		77		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 6 FT

Lab Sample ID: 720-17056-31

Client Matrix: Solid

Date Sampled: 11/20/2008 1304

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.10 g

Date Analyzed: 12/01/2008 2040

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		18		1.0
Kerosene Range Organics (C9-C19)		35		1.0
Stoddard Solvent Range Organics (C9-C13)		39		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		71		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 10 FT

Lab Sample ID: 720-17056-33

Client Matrix: Solid

Date Sampled: 11/20/2008 1322

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.47 g

Date Analyzed: 12/01/2008 2107

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.8		0.98
Kerosene Range Organics (C9-C19)		3.6		0.98
Stoddard Solvent Range Organics (C9-C13)		1.7		0.98
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		80		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2 @ 10 FT

Lab Sample ID: 720-17056-36

Date Sampled: 11/20/2008 1426

Client Matrix: Solid

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 12/01/2008 2134

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		79		1.0
Kerosene Range Organics (C9-C19)		130		1.0
Stoddard Solvent Range Organics (C9-C13)		150		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		66		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 14 FT

Lab Sample ID: 720-17056-41

Client Matrix: Solid

Date Sampled: 11/21/2008 1403

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.40 g

Date Analyzed: 12/01/2008 2202

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		81		0.99
Kerosene Range Organics (C9-C19)		120		0.99
Stoddard Solvent Range Organics (C9-C13)		130		0.99
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		71		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 17 FT

Lab Sample ID: 720-17056-43

Date Sampled: 11/21/2008 1410

Client Matrix: Solid

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.14 g

Date Analyzed: 12/01/2008 2229

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Kerosene Range Organics (C9-C19)		3.3		1.0
Stoddard Solvent Range Organics (C9-C13)		1.4		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		78		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 14 FT

Lab Sample ID: 720-17056-46

Client Matrix: Solid

Date Sampled: 11/21/2008 1237

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 12/01/2008 2257

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.5		1.0
Kerosene Range Organics (C9-C19)		7.9		1.0
Stoddard Solvent Range Organics (C9-C13)		5.5		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		86		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 17 FT

Lab Sample ID: 720-17056-48

Client Matrix: Solid

Date Sampled: 11/21/2008 1300

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44514

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44428

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 12/01/2008 2324

Final Weight/Volume: 5 mL

Date Prepared: 11/28/2008 1410

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		3.7		1.0
Kerosene Range Organics (C9-C19)		7.0		1.0
Stoddard Solvent Range Organics (C9-C13)		5.6		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		76		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1

Lab Sample ID: 720-17056-1

Client Matrix: Water

Date Sampled: 11/21/2008 0810

Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B

Preparation: 3010A

Dilution: 1.0

Date Analyzed: 12/02/2008 1056

Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530

Prep Batch: 720-44454

Instrument ID: Varian ICP

Lab File ID: N/A

Initial Weight/Volume: 50 mL

Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	0.011		0.0050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3

Lab Sample ID: 720-17056-2
Client Matrix: Water

Date Sampled: 11/20/2008 1320
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 12/02/2008 1249
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	1.6		0.050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4

Lab Sample ID: 720-17056-3
Client Matrix: Water

Date Sampled: 11/21/2008 0820
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 12/02/2008 1304
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	3.4		0.050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1

Lab Sample ID: 720-17056-4
Client Matrix: Water

Date Sampled: 11/21/2008 1255
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 12/02/2008 1307
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	2.0		0.050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2

Lab Sample ID: 720-17056-5
Client Matrix: Water

Date Sampled: 11/21/2008 0805
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 12/02/2008 1311
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	4.7		0.050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1

Lab Sample ID: 720-17056-6
Client Matrix: Water

Date Sampled: 11/21/2008 1500
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 12/02/2008 1136
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	0.38		0.0050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2

Lab Sample ID: 720-17056-7

Date Sampled: 11/21/2008 1328

Client Matrix: Water

Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 720-44530

Instrument ID: Varian ICP

Preparation: 3010A

Prep Batch: 720-44454

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 12/02/2008 1140

Final Weight/Volume: 50 mL

Date Prepared: 12/01/2008 0945

Analyte	Result (mg/L)	Qualifier	RL
Lead	1.2		0.0050

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 18 FT

Lab Sample ID: 720-17056-12
Client Matrix: Solid

Date Sampled: 11/21/2008 0933
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44402	Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 720-44337	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.98 g
Date Analyzed:	11/28/2008 0910		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1000			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.0		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-1 @ 27 FT

Lab Sample ID: 720-17056-17
Client Matrix: Solid

Date Sampled: 11/21/2008 1011
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.95 g
Date Analyzed:	11/28/2008 1146		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		5.1		1.1

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 14 FT

Lab Sample ID: 720-17056-20
Client Matrix: Solid

Date Sampled: 11/20/2008 1452
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch:	720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch:	720-44367	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	11/28/2008 1156			Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		6.6		0.97

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-3 @ 27 FT

Lab Sample ID: 720-17056-27

Date Sampled: 11/20/2008 1545

Client Matrix: Solid

Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 720-44425

Instrument ID: Thermo 6500 ICP

Preparation: 3050B

Prep Batch: 720-44367

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.00 g

Date Analyzed: 11/28/2008 1200

Final Weight/Volume: 50 mL

Date Prepared: 11/26/2008 1416

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		5.8		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB1-4 @ 27 FT

Lab Sample ID: 720-17056-30
Client Matrix: Solid

Date Sampled: 11/21/2008 1101
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch:	720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch:	720-44367	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	11/28/2008 1203			Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		5.9		0.98

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 6 FT

Lab Sample ID: 720-17056-31
Client Matrix: Solid

Date Sampled: 11/20/2008 1304
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.97 g
Date Analyzed:	11/28/2008 1207		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		7.2		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-1 @ 10 FT

Lab Sample ID: 720-17056-33
Client Matrix: Solid

Date Sampled: 11/20/2008 1322
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.98 g
Date Analyzed:	11/28/2008 1217		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		5.4		1.0

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB2-2 @ 10 FT

Lab Sample ID: 720-17056-36
Client Matrix: Solid

Date Sampled: 11/20/2008 1426
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch:	720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch:	720-44367	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	11/28/2008 1221			Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		14		0.96

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 14 FT

Lab Sample ID: 720-17056-41
Client Matrix: Solid

Date Sampled: 11/21/2008 1403
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.95 g
Date Analyzed:	11/28/2008 1224		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.0		1.1

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-1 @ 17 FT

Lab Sample ID: 720-17056-43
Client Matrix: Solid

Date Sampled: 11/21/2008 1410
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.02 g
Date Analyzed:	11/28/2008 1228		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.4		0.98

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 14 FT

Lab Sample ID: 720-17056-46
Client Matrix: Solid

Date Sampled: 11/21/2008 1237
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.95 g
Date Analyzed:	11/28/2008 1231		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		6.7		1.1

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Client Sample ID: TB3-2 @ 17 FT

Lab Sample ID: 720-17056-48
Client Matrix: Solid

Date Sampled: 11/21/2008 1300
Date Received: 11/24/2008 1151

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-44425	Instrument ID:	Thermo 6500 ICP
Preparation:	3050B	Prep Batch: 720-44367	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.95 g
Date Analyzed:	11/28/2008 1235		Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1416			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.5		1.1

DATA REPORTING QUALIFIERS

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate exceeds the control limits
GC Semi VOA		
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-44322					
LCS 720-44322/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44322/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44322/3-A	Method Blank	T	Solid	5030B	
720-17056-12	TB1-1 @ 18 FT	T	Solid	5030B	
720-17056-12MS	Matrix Spike	T	Solid	5030B	
720-17056-12MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-17056-17	TB1-1 @ 27 FT	T	Solid	5030B	
720-17056-27	TB1-3 @ 27 FT	T	Solid	5030B	
Analysis Batch:720-44339					
LCS 720-44322/1-A	Lab Control Spike	T	Solid	8260B	720-44322
LCSD 720-44322/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-44322
MB 720-44322/3-A	Method Blank	T	Solid	8260B	720-44322
720-17056-12	TB1-1 @ 18 FT	T	Solid	8260B	720-44322
720-17056-12MS	Matrix Spike	T	Solid	8260B	720-44322
720-17056-12MSD	Matrix Spike Duplicate	T	Solid	8260B	720-44322
720-17056-17	TB1-1 @ 27 FT	T	Solid	8260B	720-44322
720-17056-27	TB1-3 @ 27 FT	T	Solid	8260B	720-44322
Prep Batch: 720-44350					
LCS 720-44350/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44350/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44350/3-A	Method Blank	T	Solid	5030B	
720-17056-30	TB1-4 @ 27 FT	T	Solid	5030B	
720-17056-33	TB2-1 @ 10 FT	T	Solid	5030B	
720-17056-48	TB3-2 @ 17 FT	T	Solid	5030B	
Analysis Batch:720-44365					
LCS 720-44350/1-A	Lab Control Spike	T	Solid	8260B	720-44350
LCSD 720-44350/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-44350
MB 720-44350/3-A	Method Blank	T	Solid	8260B	720-44350
720-17056-30	TB1-4 @ 27 FT	T	Solid	8260B	720-44350
720-17056-33	TB2-1 @ 10 FT	T	Solid	8260B	720-44350
720-17056-48	TB3-2 @ 17 FT	T	Solid	8260B	720-44350

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-44388					
LCS 720-44388/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44388/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44388/3-A	Method Blank	T	Solid	5030B	
720-17056-20	TB1-3 @ 14 FT	T	Solid	5030B	
720-17056-31	TB2-1 @ 6 FT	T	Solid	5030B	
720-17056-31MS	Matrix Spike	T	Solid	5030B	
720-17056-31MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-17056-36	TB2-2 @ 10 FT	T	Solid	5030B	
720-17056-41	TB3-1 @ 14 FT	T	Solid	5030B	
720-17056-43	TB3-1 @ 17 FT	T	Solid	5030B	
720-17056-46	TB3-2 @ 14 FT	T	Solid	5030B	
Analysis Batch:720-44412					
LCS 720-44412/2	Lab Control Spike	T	Water	8260B/CA_LUFT	
LCSD 720-44412/1	Lab Control Spike Duplicate	T	Water	8260B/CA_LUFT	
MB 720-44412/3	Method Blank	T	Water	8260B/CA_LUFT	
720-17056-1	TB1-1	T	Water	8260B/CA_LUFT	
720-17056-3	TB1-4	T	Water	8260B/CA_LUFT	
Analysis Batch:720-44467					
LCS 720-44388/1-A	Lab Control Spike	T	Solid	8260B	720-44388
LCSD 720-44388/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-44388
MB 720-44388/3-A	Method Blank	T	Solid	8260B	720-44388
720-17056-20	TB1-3 @ 14 FT	T	Solid	8260B	720-44388
720-17056-31	TB2-1 @ 6 FT	T	Solid	8260B	720-44388
720-17056-31MS	Matrix Spike	T	Solid	8260B	720-44388
720-17056-31MSD	Matrix Spike Duplicate	T	Solid	8260B	720-44388
720-17056-36	TB2-2 @ 10 FT	T	Solid	8260B	720-44388
720-17056-41	TB3-1 @ 14 FT	T	Solid	8260B	720-44388
720-17056-43	TB3-1 @ 17 FT	T	Solid	8260B	720-44388
720-17056-46	TB3-2 @ 14 FT	T	Solid	8260B	720-44388
Analysis Batch:720-44468					
LCS 720-44479/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44479
LCSD 720-44479/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44479
MB 720-44479/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44479
720-17056-12	TB1-1 @ 18 FT	T	Solid	8260B/CA_LUFT	720-44479
720-17056-17	TB1-1 @ 27 FT	T	Solid	8260B/CA_LUFT	720-44479
720-17056-27	TB1-3 @ 27 FT	T	Solid	8260B/CA_LUFT	720-44479
720-17056-27MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-44479
720-17056-27MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44479
720-17056-30	TB1-4 @ 27 FT	T	Solid	8260B/CA_LUFT	720-44479

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Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-44479					
LCS 720-44479/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44479/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44479/1-A	Method Blank	T	Solid	5030B	
720-17056-12	TB1-1 @ 18 FT	T	Solid	5030B	
720-17056-17	TB1-1 @ 27 FT	T	Solid	5030B	
720-17056-27	TB1-3 @ 27 FT	T	Solid	5030B	
720-17056-27MS	Matrix Spike	T	Solid	5030B	
720-17056-27MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-17056-30	TB1-4 @ 27 FT	T	Solid	5030B	
Analysis Batch:720-44481					
LCS 720-44481/2	Lab Control Spike	T	Water	8260B	
LCSD 720-44481/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-44481/5	Method Blank	T	Water	8260B	
720-17056-1	TB1-1	T	Water	8260B	
720-17056-1MS	Matrix Spike	T	Water	8260B	
720-17056-1MSD	Matrix Spike Duplicate	T	Water	8260B	
720-17056-2	TB1-3	T	Water	8260B	
Analysis Batch:720-44484					
LCS 720-44494/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44494
LCSD 720-44494/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44494
MB 720-44494/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44494
720-17056-12	TB1-1 @ 18 FT	T	Solid	8260B/CA_LUFT	720-44494
720-17056-27	TB1-3 @ 27 FT	T	Solid	8260B/CA_LUFT	720-44494
Prep Batch: 720-44494					
LCS 720-44494/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44494/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44494/1-A	Method Blank	T	Solid	5030B	
720-17056-12	TB1-1 @ 18 FT	T	Solid	5030B	
720-17056-27	TB1-3 @ 27 FT	T	Solid	5030B	
Analysis Batch:720-44503					
LCS 720-44503/2	Lab Control Spike	T	Water	8260B/CA_LUFT	
LCSD 720-44503/1	Lab Control Spike Duplicate	T	Water	8260B/CA_LUFT	
MB 720-44503/3	Method Blank	T	Water	8260B/CA_LUFT	
720-17056-2	TB1-3	T	Water	8260B/CA_LUFT	
720-17056-5	TB2-2	T	Water	8260B/CA_LUFT	
720-17056-5MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-17056-5MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-17056-6	TB3-1	T	Water	8260B/CA_LUFT	
720-17056-7	TB3-2	T	Water	8260B/CA_LUFT	

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-44537					
LCS 720-44537/2	Lab Control Spike	T	Water	8260B	
LCSD 720-44537/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-44537/3	Method Blank	T	Water	8260B	
720-17056-6	TB3-1	T	Water	8260B	
720-17056-7	TB3-2	T	Water	8260B	
Analysis Batch:720-44538					
LCS 720-44538/2	Lab Control Spike	T	Water	8260B	
LCSD 720-44538/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-44538/3	Method Blank	T	Water	8260B	
720-17056-4	TB2-1	T	Water	8260B	
Analysis Batch:720-44549					
LCS 720-44594/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44594
LCSD 720-44594/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44594
MB 720-44594/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44594
720-17056-20	TB1-3 @ 14 FT	T	Solid	8260B/CA_LUFT	720-44594
720-17056-31	TB2-1 @ 6 FT	T	Solid	8260B/CA_LUFT	720-44594
720-17056-33	TB2-1 @ 10 FT	T	Solid	8260B/CA_LUFT	720-44594
720-17056-36	TB2-2 @ 10 FT	T	Solid	8260B/CA_LUFT	720-44594
720-17056-41	TB3-1 @ 14 FT	T	Solid	8260B/CA_LUFT	720-44594
720-17056-46	TB3-2 @ 14 FT	T	Solid	8260B/CA_LUFT	720-44594
720-17056-48	TB3-2 @ 17 FT	T	Solid	8260B/CA_LUFT	720-44594
Analysis Batch:720-44576					
LCS 720-44576/2	Lab Control Spike	T	Water	8260B/CA_LUFT	
LCSD 720-44576/1	Lab Control Spike Duplicate	T	Water	8260B/CA_LUFT	
MB 720-44576/3	Method Blank	T	Water	8260B/CA_LUFT	
720-17056-4	TB2-1	T	Water	8260B/CA_LUFT	
Analysis Batch:720-44584					
LCS 720-44584/2	Lab Control Spike	T	Water	8260B	
LCSD 720-44584/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-44584/3	Method Blank	T	Water	8260B	
720-17056-3	TB1-4	T	Water	8260B	
Analysis Batch:720-44590					
LCS 720-44592/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44592
LCSD 720-44592/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44592
MB 720-44592/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44592
720-17056-43	TB3-1 @ 17 FT	T	Solid	8260B/CA_LUFT	720-44592

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-44592					
LCS 720-44592/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44592/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44592/1-A	Method Blank	T	Solid	5030B	
720-17056-43	TB3-1 @ 17 FT	T	Solid	5030B	
Prep Batch: 720-44594					
LCS 720-44594/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44594/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44594/1-A	Method Blank	T	Solid	5030B	
720-17056-20	TB1-3 @ 14 FT	T	Solid	5030B	
720-17056-31	TB2-1 @ 6 FT	T	Solid	5030B	
720-17056-33	TB2-1 @ 10 FT	T	Solid	5030B	
720-17056-36	TB2-2 @ 10 FT	T	Solid	5030B	
720-17056-41	TB3-1 @ 14 FT	T	Solid	5030B	
720-17056-46	TB3-2 @ 14 FT	T	Solid	5030B	
720-17056-48	TB3-2 @ 17 FT	T	Solid	5030B	
Analysis Batch:720-44602					
LCS 720-44602/2	Lab Control Spike	T	Water	8260B	
LCSD 720-44602/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-44602/3	Method Blank	T	Water	8260B	
720-17056-5	TB2-2	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-44310					
LCS 720-44310/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-44310/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-44310/1-A	Method Blank	T	Water	3510C	
720-17056-6	TB3-1	T	Water	3510C	
Analysis Batch:720-44403					
LCS 720-44310/2-A	Lab Control Spike	T	Water	8270C	720-44310
LCSD 720-44310/3-A	Lab Control Spike Duplicate	T	Water	8270C	720-44310
MB 720-44310/1-A	Method Blank	T	Water	8270C	720-44310
720-17056-6	TB3-1	T	Water	8270C	720-44310
Prep Batch: 720-44435					
LCS 720-44435/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-44435/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-44435/1-A	Method Blank	T	Solid	3550B	
720-17056-12	TB1-1 @ 18 FT	T	Solid	3550B	
720-17056-12MS	Matrix Spike	T	Solid	3550B	
720-17056-12MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-44483					
LCS 720-44435/2-A	Lab Control Spike	T	Solid	8270C	720-44435
LCSD 720-44435/3-A	Lab Control Spike Duplicate	T	Solid	8270C	720-44435
MB 720-44435/1-A	Method Blank	T	Solid	8270C	720-44435
720-17056-12	TB1-1 @ 18 FT	T	Solid	8270C	720-44435
720-17056-12MS	Matrix Spike	T	Solid	8270C	720-44435
720-17056-12MSD	Matrix Spike Duplicate	T	Solid	8270C	720-44435

Report Basis

T = Total

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-44366					
LCS 720-44366/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-44366/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-44366/1-A	Method Blank	T	Water	3510C	
720-17056-2	TB1-3	T	Water	3510C	
720-17056-3	TB1-4	T	Water	3510C	
720-17056-4	TB2-1	T	Water	3510C	
720-17056-5	TB2-2	T	Water	3510C	
720-17056-6	TB3-1	T	Water	3510C	
720-17056-7	TB3-2	T	Water	3510C	
Prep Batch: 720-44428					
LCS 720-44428/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-44428/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-44428/1-A	Method Blank	T	Solid	3550B	
720-17056-12	TB1-1 @ 18 FT	T	Solid	3550B	
720-17056-17	TB1-1 @ 27 FT	T	Solid	3550B	
720-17056-20	TB1-3 @ 14 FT	T	Solid	3550B	
720-17056-27	TB1-3 @ 27 FT	T	Solid	3550B	
720-17056-30	TB1-4 @ 27 FT	T	Solid	3550B	
720-17056-31	TB2-1 @ 6 FT	T	Solid	3550B	
720-17056-33	TB2-1 @ 10 FT	T	Solid	3550B	
720-17056-36	TB2-2 @ 10 FT	T	Solid	3550B	
720-17056-41	TB3-1 @ 14 FT	T	Solid	3550B	
720-17056-43	TB3-1 @ 17 FT	T	Solid	3550B	
720-17056-46	TB3-2 @ 14 FT	T	Solid	3550B	
720-17056-48	TB3-2 @ 17 FT	T	Solid	3550B	
Analysis Batch:720-44436					
LCS 720-44366/2-A	Lab Control Spike	T	Water	8015B	720-44366
LCSD 720-44366/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-44366
MB 720-44366/1-A	Method Blank	T	Water	8015B	720-44366
720-17056-2	TB1-3	T	Water	8015B	720-44366
720-17056-3	TB1-4	T	Water	8015B	720-44366
720-17056-4	TB2-1	T	Water	8015B	720-44366
720-17056-5	TB2-2	T	Water	8015B	720-44366
720-17056-6	TB3-1	T	Water	8015B	720-44366
720-17056-7	TB3-2	T	Water	8015B	720-44366
Prep Batch: 720-44469					
LCS 720-44469/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-44469/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-44469/1-A	Method Blank	T	Water	3510C	
720-17056-1	TB1-1	T	Water	3510C	

TestAmerica San Francisco

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-44514					
LCS 720-44428/2-A	Lab Control Spike	T	Solid	8015B	720-44428
LCSD 720-44428/3-A	Lab Control Spike Duplicate	T	Solid	8015B	720-44428
MB 720-44428/1-A	Method Blank	T	Solid	8015B	720-44428
720-17056-12	TB1-1 @ 18 FT	T	Solid	8015B	720-44428
720-17056-17	TB1-1 @ 27 FT	T	Solid	8015B	720-44428
720-17056-20	TB1-3 @ 14 FT	T	Solid	8015B	720-44428
720-17056-27	TB1-3 @ 27 FT	T	Solid	8015B	720-44428
720-17056-30	TB1-4 @ 27 FT	T	Solid	8015B	720-44428
720-17056-31	TB2-1 @ 6 FT	T	Solid	8015B	720-44428
720-17056-33	TB2-1 @ 10 FT	T	Solid	8015B	720-44428
720-17056-36	TB2-2 @ 10 FT	T	Solid	8015B	720-44428
720-17056-41	TB3-1 @ 14 FT	T	Solid	8015B	720-44428
720-17056-43	TB3-1 @ 17 FT	T	Solid	8015B	720-44428
720-17056-46	TB3-2 @ 14 FT	T	Solid	8015B	720-44428
720-17056-48	TB3-2 @ 17 FT	T	Solid	8015B	720-44428
Analysis Batch:720-44532					
LCS 720-44469/2-A	Lab Control Spike	T	Water	8015B	720-44469
LCSD 720-44469/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-44469
MB 720-44469/1-A	Method Blank	T	Water	8015B	720-44469
720-17056-1	TB1-1	T	Water	8015B	720-44469

Report Basis

T = Total

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-44337					
LCS 720-44337/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-44337/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-44337/25-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-44337/1-A	Method Blank	T	Solid	3050B	
720-17056-12	TB1-1 @ 18 FT	T	Solid	3050B	
Prep Batch: 720-44367					
LCS 720-44367/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-44367/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-44367/22-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-44367/1-A	Method Blank	T	Solid	3050B	
720-17056-17	TB1-1 @ 27 FT	T	Solid	3050B	
720-17056-17MS	Matrix Spike	T	Solid	3050B	
720-17056-17MSD	Matrix Spike Duplicate	T	Solid	3050B	
720-17056-20	TB1-3 @ 14 FT	T	Solid	3050B	
720-17056-27	TB1-3 @ 27 FT	T	Solid	3050B	
720-17056-30	TB1-4 @ 27 FT	T	Solid	3050B	
720-17056-31	TB2-1 @ 6 FT	T	Solid	3050B	
720-17056-33	TB2-1 @ 10 FT	T	Solid	3050B	
720-17056-36	TB2-2 @ 10 FT	T	Solid	3050B	
720-17056-41	TB3-1 @ 14 FT	T	Solid	3050B	
720-17056-43	TB3-1 @ 17 FT	T	Solid	3050B	
720-17056-46	TB3-2 @ 14 FT	T	Solid	3050B	
720-17056-48	TB3-2 @ 17 FT	T	Solid	3050B	
Analysis Batch:720-44402					
LCS 720-44337/2-A	Lab Control Spike	T	Solid	6010B	720-44337
LCSD 720-44337/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-44337
LCSSRM 720-44337/25-A	LCS-Standard Reference Material	T	Solid	6010B	720-44337
MB 720-44337/1-A	Method Blank	T	Solid	6010B	720-44337
720-17056-12	TB1-1 @ 18 FT	T	Solid	6010B	720-44337

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:720-44425					
LCS 720-44367/2-A	Lab Control Spike	T	Solid	6010B	720-44367
LCSD 720-44367/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-44367
LCSSRM 720-44367/22-A	LCS-Standard Reference Material	T	Solid	6010B	720-44367
MB 720-44367/1-A	Method Blank	T	Solid	6010B	720-44367
720-17056-17	TB1-1 @ 27 FT	T	Solid	6010B	720-44367
720-17056-17MS	Matrix Spike	T	Solid	6010B	720-44367
720-17056-17MSD	Matrix Spike Duplicate	T	Solid	6010B	720-44367
720-17056-20	TB1-3 @ 14 FT	T	Solid	6010B	720-44367
720-17056-27	TB1-3 @ 27 FT	T	Solid	6010B	720-44367
720-17056-30	TB1-4 @ 27 FT	T	Solid	6010B	720-44367
720-17056-31	TB2-1 @ 6 FT	T	Solid	6010B	720-44367
720-17056-33	TB2-1 @ 10 FT	T	Solid	6010B	720-44367
720-17056-36	TB2-2 @ 10 FT	T	Solid	6010B	720-44367
720-17056-41	TB3-1 @ 14 FT	T	Solid	6010B	720-44367
720-17056-43	TB3-1 @ 17 FT	T	Solid	6010B	720-44367
720-17056-46	TB3-2 @ 14 FT	T	Solid	6010B	720-44367
720-17056-48	TB3-2 @ 17 FT	T	Solid	6010B	720-44367
Prep Batch: 720-44454					
LCS 720-44454/2-A	Lab Control Spike	T	Water	3010A	
LCSD 720-44454/3-A	Lab Control Spike Duplicate	T	Water	3010A	
MB 720-44454/1-A	Method Blank	T	Water	3010A	
720-17056-1	TB1-1	T	Water	3010A	
720-17056-2	TB1-3	T	Water	3010A	
720-17056-3	TB1-4	T	Water	3010A	
720-17056-4	TB2-1	T	Water	3010A	
720-17056-5	TB2-2	T	Water	3010A	
720-17056-6	TB3-1	T	Water	3010A	
720-17056-7	TB3-2	T	Water	3010A	
Analysis Batch:720-44530					
LCS 720-44454/2-A	Lab Control Spike	T	Water	6010B	720-44454
LCSD 720-44454/3-A	Lab Control Spike Duplicate	T	Water	6010B	720-44454
MB 720-44454/1-A	Method Blank	T	Water	6010B	720-44454
720-17056-1	TB1-1	T	Water	6010B	720-44454
720-17056-2	TB1-3	T	Water	6010B	720-44454
720-17056-3	TB1-4	T	Water	6010B	720-44454
720-17056-4	TB2-1	T	Water	6010B	720-44454
720-17056-5	TB2-2	T	Water	6010B	720-44454
720-17056-6	TB3-1	T	Water	6010B	720-44454
720-17056-7	TB3-2	T	Water	6010B	720-44454

Report Basis

T = Total

TestAmerica San Francisco

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44322

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44322/3-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 11/25/2008 1751

Date Prepared: 11/25/2008 1600

Analysis Batch: 720-44339

Prep Batch: 720-44322

Units: ug/Kg

Instrument ID: Agilent 75MSD

Lab File ID: 112508022.D

Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50
Isopropylbenzene	ND		5.0

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44322

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-44322/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/25/2008 1751
Date Prepared: 11/25/2008 1600

Analysis Batch: 720-44339
Prep Batch: 720-44322
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112508022.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
2,2-Dichloropropane	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	98	52 - 128	
1,2-Dichloroethane-d4 (Surr)	100	67 - 110	
Toluene-d8 (Surr)	93	58 - 109	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44322**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44322/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/25/2008 1701
Date Prepared: 11/25/2008 1600

Analysis Batch: 720-44339
Prep Batch: 720-44322
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112508020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44322/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/25/2008 1726
Date Prepared: 11/25/2008 1600

Analysis Batch: 720-44339
Prep Batch: 720-44322
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112508021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	89	80 - 109	1	20		
Chlorobenzene	91	90	81 - 114	1	20		
1,1-Dichloroethene	92	91	66 - 131	2	20		
Toluene	91	90	79 - 110	1	20		
Trichloroethene	92	90	75 - 114	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	99		95		52 - 128		
1,2-Dichloroethane-d4 (Surr)	98		94		67 - 110		
Toluene-d8 (Surr)	93		88		58 - 109		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44322

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 0100
Date Prepared: 11/25/2008 1600

Analysis Batch: 720-44339
Prep Batch: 720-44322

Instrument ID: Agilent 75MSD
Lab File ID: 112508039.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 0125
Date Prepared: 11/25/2008 1600

Analysis Batch: 720-44339
Prep Batch: 720-44322

Instrument ID: Agilent 75MSD
Lab File ID: 112508040.D
Initial Weight/Volume: 5.05 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	98	96	73 - 116	3	20		
Chlorobenzene	90	91	70 - 118	0	20		
1,1-Dichloroethene	108	105	68 - 138	3	20		
Toluene	100	98	68 - 117	4	20		
Trichloroethene	98	97	60 - 126	2	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	92		93	52 - 128			
1,2-Dichloroethane-d4 (Surr)	98		97	67 - 110			
Toluene-d8 (Surr)	99		96	58 - 109			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44350

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-44350/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 0924
Date Prepared: 11/26/2008 0800

Analysis Batch: 720-44365
Prep Batch: 720-44350
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112608007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50
Isopropylbenzene	ND		5.0

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44350

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44350/3-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 11/26/2008 0924

Date Prepared: 11/26/2008 0800

Analysis Batch: 720-44365

Prep Batch: 720-44350

Units: ug/Kg

Instrument ID: Agilent 75MSD

Lab File ID: 112608007.D

Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
2,2-Dichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	52 - 128
1,2-Dichloroethane-d4 (Surr)	96	67 - 110
Toluene-d8 (Surr)	91	58 - 109

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44350**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44350/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 0834
Date Prepared: 11/26/2008 0800

Analysis Batch: 720-44365
Prep Batch: 720-44350
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112608005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44350/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 0859
Date Prepared: 11/26/2008 0800

Analysis Batch: 720-44365
Prep Batch: 720-44350
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112608006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	82	86	80 - 109	4	20		
Chlorobenzene	88	91	81 - 114	4	20		
1,1-Dichloroethene	84	88	66 - 131	5	20		
Toluene	85	88	79 - 110	4	20		
Trichloroethene	85	88	75 - 114	4	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	83		92		52 - 128		
1,2-Dichloroethane-d4 (Surr)	87		94		67 - 110		
Toluene-d8 (Surr)	81		88		58 - 109		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44388

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44388/3-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 11/26/2008 2216

Date Prepared: 11/26/2008 1725

Analysis Batch: 720-44467

Prep Batch: 720-44388

Units: ug/Kg

Instrument ID: Agilent 75MSD

Lab File ID: 112608037.D

Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50
Isopropylbenzene	ND		5.0

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44388

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44388/3-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 11/26/2008 2216

Date Prepared: 11/26/2008 1725

Analysis Batch: 720-44467

Prep Batch: 720-44388

Units: ug/Kg

Instrument ID: Agilent 75MSD

Lab File ID: 112608037.D

Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
2,2-Dichloropropane	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	95	52 - 128	
1,2-Dichloroethane-d4 (Surr)	101	67 - 110	
Toluene-d8 (Surr)	93	58 - 109	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44388**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44388/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 2126
Date Prepared: 11/26/2008 1725

Analysis Batch: 720-44467
Prep Batch: 720-44388
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112608035.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44388/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/26/2008 2151
Date Prepared: 11/26/2008 1725

Analysis Batch: 720-44467
Prep Batch: 720-44388
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 112608036.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	94	80 - 109	11	20		
Chlorobenzene	86	94	81 - 114	9	20		
1,1-Dichloroethene	82	90	66 - 131	10	20		
Toluene	86	95	79 - 110	10	20		
Trichloroethene	84	93	75 - 114	9	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	91		98		52 - 128		
1,2-Dichloroethane-d4 (Surr)	94		100		67 - 110		
Toluene-d8 (Surr)	89		95		58 - 109		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-44388**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-17056-31
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/27/2008 0047
Date Prepared: 11/26/2008 1725

Analysis Batch: 720-44467
Prep Batch: 720-44388

Instrument ID: Agilent 75MSD
Lab File ID: 112608043.D
Initial Weight/Volume: 5.17 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17056-31
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/27/2008 0112
Date Prepared: 11/26/2008 1725

Analysis Batch: 720-44467
Prep Batch: 720-44388

Instrument ID: Agilent 75MSD
Lab File ID: 112608044.D
Initial Weight/Volume: 5.23 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	82	84	73 - 116	1	20		
Chlorobenzene	70	74	70 - 118	4	20		
1,1-Dichloroethene	78	78	68 - 138	1	20		
Toluene	78	81	68 - 117	2	20		
Trichloroethene	75	78	60 - 126	2	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene		209	X	240	X	52 - 128	
1,2-Dichloroethane-d4 (Surr)		93		94		67 - 110	
Toluene-d8 (Surr)		85		85		58 - 109	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44481

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44481/5

Analysis Batch: 720-44481

Instrument ID: Varian 3900G

Client Matrix: Water

Prep Batch: N/A

Lab File ID: e:\data\200812\120108\MB

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 12/01/2008 1123

Final Weight/Volume: 40 mL

Date Prepared: 12/01/2008 1123

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44481

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44481/5

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 12/01/2008 1123

Date Prepared: 12/01/2008 1123

Analysis Batch: 720-44481

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900G

Lab File ID: e:\data\200812\120108\MB

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	74 - 131
1,2-Dichloroethane-d4 (Surr)	105	76 - 132
Toluene-d8 (Surr)	106	82 - 120

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44481**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44481/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 0910
Date Prepared: 12/01/2008 0910

Analysis Batch: 720-44481
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120108\LS-
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-44481/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 0944
Date Prepared: 12/01/2008 0944

Analysis Batch: 720-44481
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120108\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	86	81	70 - 130	6	20		
Chlorobenzene	101	106	70 - 130	5	20		
1,1-Dichloroethene	88	88	70 - 130	0	20		
Toluene	95	93	70 - 130	2	20		
Trichloroethene	85	79	70 - 130	7	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	91		89		74 - 131		
1,2-Dichloroethane-d4 (Surr)	112		115		76 - 132		
Toluene-d8 (Surr)	98		89		82 - 120		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44481

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 720-17056-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 1411
Date Prepared: 12/01/2008 1411

Analysis Batch: 720-44481
Prep Batch: N/A

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120108\SA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-17056-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 1444
Date Prepared: 12/01/2008 1444

Analysis Batch: 720-44481
Prep Batch: N/A

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120108\SA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	69	78	70 - 130	12	20	F	
Chlorobenzene	104	104	70 - 130	0	20		
1,1-Dichloroethene	94	98	70 - 130	4	20		
Toluene	95	99	70 - 130	4	20		
Trichloroethene	85	88	70 - 130	3	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	96		98	74 - 131			
1,2-Dichloroethane-d4 (Surr)	117		123	76 - 132			
Toluene-d8 (Surr)	103		106	82 - 120			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44537

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44537/3

Analysis Batch: 720-44537

Instrument ID: Varian 3900G

Client Matrix: Water

Prep Batch: N/A

Lab File ID: e:\data\200812\120208\MB

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1113

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1113

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44537

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44537/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 12/02/2008 1113

Date Prepared: 12/02/2008 1113

Analysis Batch: 720-44537

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900G

Lab File ID: e:\data\200812\120208\MB

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	102	74 - 131
1,2-Dichloroethane-d4 (Surr)	111	76 - 132
Toluene-d8 (Surr)	104	82 - 120

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44537**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44537/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 1006
Date Prepared: 12/02/2008 1006

Analysis Batch: 720-44537
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120208\LS-
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-44537/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 1040
Date Prepared: 12/02/2008 1040

Analysis Batch: 720-44537
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120208\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	89	90	70 - 130	1	20		
Chlorobenzene	97	102	70 - 130	6	20		
1,1-Dichloroethene	81	90	70 - 130	10	20		
Toluene	86	88	70 - 130	3	20		
Trichloroethene	74	76	70 - 130	4	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	100		101		74 - 131		
1,2-Dichloroethane-d4 (Surr)	108		124		76 - 132		
Toluene-d8 (Surr)	92		98		82 - 120		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44538

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44538/3

Analysis Batch: 720-44538

Instrument ID: Varian 3900F

Client Matrix: Water

Prep Batch: N/A

Lab File ID: e:\200812\120208\MB-WA

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 12/02/2008 1048

Final Weight/Volume: 40 mL

Date Prepared: 12/02/2008 1048

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44538

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44538/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 12/02/2008 1048

Date Prepared: 12/02/2008 1048

Analysis Batch: 720-44538

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900F

Lab File ID: e:\200812\120208\MB-WA

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	74 - 131
1,2-Dichloroethane-d4 (Surr)	102	76 - 132
Toluene-d8 (Surr)	106	82 - 120

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44538**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44538/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 0942
Date Prepared: 12/02/2008 0942

Analysis Batch: 720-44538
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: e:\200812\120208\LS-WA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-44538/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 1015
Date Prepared: 12/02/2008 1015

Analysis Batch: 720-44538
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: e:\200812\120208\LD-WA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	94	97	70 - 130	3	20		
Chlorobenzene	101	111	70 - 130	9	20		
1,1-Dichloroethene	89	91	70 - 130	2	20		
Toluene	95	100	70 - 130	5	20		
Trichloroethene	91	94	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	91		95		74 - 131		
1,2-Dichloroethane-d4 (Surr)	94		95		76 - 132		
Toluene-d8 (Surr)	96		98		82 - 120		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44584

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-44584/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2008 1011
Date Prepared: 12/03/2008 1011

Analysis Batch: 720-44584
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: e:\200812\120308\MB-WA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44584

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44584/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 12/03/2008 1011

Date Prepared: 12/03/2008 1011

Analysis Batch: 720-44584

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900F

Lab File ID: e:\200812\120308\MB-WA

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	74 - 131
1,2-Dichloroethane-d4 (Surr)	98	76 - 132
Toluene-d8 (Surr)	104	82 - 120

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44584**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44584/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2008 0905
Date Prepared: 12/03/2008 0905

Analysis Batch: 720-44584
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: e:\200812\120308\LS-WA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-44584/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2008 0938
Date Prepared: 12/03/2008 0938

Analysis Batch: 720-44584
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: e:\200812\120308\LD-WA
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	101	104	70 - 130	3	20		
Chlorobenzene	104	111	70 - 130	6	20		
1,1-Dichloroethene	93	100	70 - 130	8	20		
Toluene	98	101	70 - 130	3	20		
Trichloroethene	96	98	70 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	94		91		74 - 131		
1,2-Dichloroethane-d4 (Surr)	94		94		76 - 132		
Toluene-d8 (Surr)	99		97		82 - 120		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44602

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44602/3

Analysis Batch: 720-44602

Instrument ID: Varian 3900G

Client Matrix: Water

Prep Batch: N/A

Lab File ID: e:\data\200812\120308\MB

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 12/03/2008 0904

Final Weight/Volume: 40 mL

Date Prepared: 12/03/2008 0904

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44602

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-44602/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 12/03/2008 0904

Date Prepared: 12/03/2008 0904

Analysis Batch: 720-44602

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900G

Lab File ID: e:\data\200812\120308\MB

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	107	74 - 131
1,2-Dichloroethane-d4 (Surr)	109	76 - 132
Toluene-d8 (Surr)	104	82 - 120

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44602**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44602/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2008 0758
Date Prepared: 12/03/2008 0758

Analysis Batch: 720-44602
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120308\LS-
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-44602/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2008 0831
Date Prepared: 12/03/2008 0831

Analysis Batch: 720-44602
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: e:\data\200812\120308\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	92	93	70 - 130	1	20		
Chlorobenzene	103	105	70 - 130	2	20		
1,1-Dichloroethene	89	95	70 - 130	6	20		
Toluene	92	89	70 - 130	3	20		
Trichloroethene	81	80	70 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	96		98		74 - 131		
1,2-Dichloroethane-d4 (Surr)	101		114		76 - 132		
Toluene-d8 (Surr)	92		92		82 - 120		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44412

Lab Sample ID: MB 720-44412/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 1846
Date Prepared: 11/26/2008 1846

Analysis Batch: 720-44412
Prep Batch: N/A
Units: ug/L

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Varian 3900E
Lab File ID: e:\data\200811\112608\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
TBA	ND		5.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	82	78 - 112	
1,2-Dichloroethane-d4 (Surr)	84	67 - 126	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44412**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44412/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 1917
Date Prepared: 11/26/2008 1917

Analysis Batch: 720-44412
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: e:\data\200811\112608\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44412/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 1940
Date Prepared: 11/26/2008 1940

Analysis Batch: 720-44412
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: e:\data\200811\112608\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	83	86	72 - 117	3	20		
Gasoline Range Organics (GRO)-C5-C12	64	63	43 - 95	2	20		
Toluene	90	84	78 - 123	6	20		
MTBE	80	76	64 - 131	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	82		78		78 - 112		
1,2-Dichloroethane-d4 (Surr)	84		81		67 - 126		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44479

Method: 8260B/CA_LUFTMS Preparation: 5030B

Lab Sample ID: MB 720-44479/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1621
Date Prepared: 11/28/2008 0800

Analysis Batch: 720-44468
Prep Batch: 720-44479
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200811\112808\mb
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
TAME	ND		0.0050
Ethyl tert-butyl ether	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
MTBE	ND		0.0050
EDB	ND		0.0050
DIPE	ND		0.0050
TBA	ND		0.010
1,2-Dichloroethane	ND		0.0050
Ethylbenzene	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	83	74 - 118	
1,2-Dichloroethane-d4 (Surr)	107	54 - 134	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44479**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44479/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1648
Date Prepared: 11/28/2008 0800

Analysis Batch: 720-44468
Prep Batch: 720-44479
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200811\112808\ls-s
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44479/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1714
Date Prepared: 11/28/2008 0800

Analysis Batch: 720-44468
Prep Batch: 720-44479
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200811\112808\ld-sc
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	81	96	66 - 128	17	20		
Gasoline Range Organics (GRO)-C5-C12	61	69	43 - 95	12	20		
Toluene	79	95	76 - 128	18	20		
MTBE	89	104	59 - 145	16	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	84		86		74 - 118		
1,2-Dichloroethane-d4 (Surr)	102		93		54 - 134		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44479

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-17056-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1934
Date Prepared: 11/28/2008 0800

Analysis Batch: 720-44468
Prep Batch: 720-44479

Instrument ID: Saturn 2100
Lab File ID: d:\data\200811\112808\sa-
Initial Weight/Volume: 5.03 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17056-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 2001
Date Prepared: 11/28/2008 0800

Analysis Batch: 720-44468
Prep Batch: 720-44479

Instrument ID: Saturn 2100
Lab File ID: d:\data\200811\112808\sa-
Initial Weight/Volume: 5.14 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	92	83	55 - 140	12	20		
Gasoline Range Organics (GRO)-C5-C12	45	46	43 - 95	1	20		
Toluene	93	85	61 - 138	10	20		
MTBE	98	94	49 - 161	6	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Toluene-d8 (Surr)	84		81	74 - 118			
1,2-Dichloroethane-d4 (Surr)	90		100	54 - 134			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44494

Method: 8260B/CA_LUFTMS Preparation: 5030B

Lab Sample ID: MB 720-44494/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 0941
Date Prepared: 12/01/2008 0800

Analysis Batch: 720-44484
Prep Batch: 720-44494
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\12010
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
TAME	ND		0.0050
Ethyl tert-butyl ether	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
MTBE	ND		0.0050
EDB	ND		0.0050
DIPE	ND		0.0050
TBA	ND		0.010
1,2-Dichloroethane	ND		0.0050
Ethylbenzene	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	94	74 - 118	
1,2-Dichloroethane-d4 (Surr)	109	54 - 134	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44494**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44494/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1049
Date Prepared: 12/01/2008 0800

Analysis Batch: 720-44484
Prep Batch: 720-44494
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120108
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44494/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1112
Date Prepared: 12/01/2008 0800

Analysis Batch: 720-44484
Prep Batch: 720-44494
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120108
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	103	66 - 128	0	20		
Gasoline Range Organics (GRO)-C5-C12	81	80	43 - 95	1	20		
Toluene	96	99	76 - 128	3	20		
MTBE	105	103	59 - 145	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	96		100		74 - 118		
1,2-Dichloroethane-d4 (Surr)	117		123		54 - 134		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44503

Lab Sample ID: MB 720-44503/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 1341
Date Prepared: 12/01/2008 1341

Analysis Batch: 720-44503
Prep Batch: N/A
Units: ug/L

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120108\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
TBA	ND		5.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	82	78 - 112	
1,2-Dichloroethane-d4 (Surr)	77	67 - 126	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44503**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44503/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 1404
Date Prepared: 12/01/2008 1404

Analysis Batch: 720-44503
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120108\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44503/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 1427
Date Prepared: 12/01/2008 1427

Analysis Batch: 720-44503
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120108\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	94	72 - 117	4	20		
Gasoline Range Organics (GRO)-C5-C12	66	64	43 - 95	4	20		
Toluene	99	93	78 - 123	5	20		
MTBE	83	87	64 - 131	4	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	81		79		78 - 112		
1,2-Dichloroethane-d4 (Surr)	78		87		67 - 126		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44503

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-17056-5
Client Matrix: Water
Dilution: 10
Date Analyzed: 12/01/2008 1807
Date Prepared: 12/01/2008 1807

Analysis Batch: 720-44503
Prep Batch: N/A

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120108\sa-
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17056-5
Client Matrix: Water
Dilution: 10
Date Analyzed: 12/01/2008 1830
Date Prepared: 12/01/2008 1830

Analysis Batch: 720-44503
Prep Batch: N/A

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120108\sa-
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	90	90	58 - 134	0	20		
Gasoline Range Organics (GRO)-C5-C12	150	499	43 - 95	84	20	F	F
Toluene	88	97	72 - 129	10	20		
MTBE	81	82	22 - 185	1	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Toluene-d8 (Surr)	75	X	79	78 - 112			
1,2-Dichloroethane-d4 (Surr)	78		87	67 - 126			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44576

Lab Sample ID: MB 720-44576/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 2133
Date Prepared: 12/02/2008 2133

Analysis Batch: 720-44576
Prep Batch: N/A
Units: ug/L

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120208\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
TAME	ND		0.50
Ethyl tert-butyl ether	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
EDB	ND		0.50
DIPE	ND		1.0
TBA	ND		5.0
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	86	78 - 112	
1,2-Dichloroethane-d4 (Surr)	103	67 - 126	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44576**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44576/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 2200
Date Prepared: 12/02/2008 2200

Analysis Batch: 720-44576
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120208\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44576/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 2227
Date Prepared: 12/02/2008 2227

Analysis Batch: 720-44576
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120208\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	79	80	72 - 117	1	20		
Gasoline Range Organics (GRO)-C5-C12	57	63	43 - 95	9	20		
Toluene	81	82	78 - 123	2	20		
MTBE	74	88	64 - 131	18	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	83		82		78 - 112		
1,2-Dichloroethane-d4 (Surr)	90		87		67 - 126		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44592**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44592/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/02/2008 1903
Date Prepared: 12/02/2008 1800

Analysis Batch: 720-44590
Prep Batch: 720-44592
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120208
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 g

LCSD Lab Sample ID: LCSD 720-44592/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/02/2008 1925
Date Prepared: 12/02/2008 1800

Analysis Batch: 720-44590
Prep Batch: 720-44592
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120208
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 g

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	105	66 - 128	7	20		
Gasoline Range Organics (GRO)-C5-C12	82	87	43 - 95	6	20		
Toluene	98	107	76 - 128	8	20		
MTBE	117	115	59 - 145	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	95		94		74 - 118		
1,2-Dichloroethane-d4 (Surr)	110		101		54 - 134		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44594

Method: 8260B/CA_LUFTMS Preparation: 5030B

Lab Sample ID: MB 720-44594/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/02/2008 0855
Date Prepared: 12/02/2008 0800

Analysis Batch: 720-44549
Prep Batch: 720-44594
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120208\mb
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
TAME	ND		1.0
Ethyl tert-butyl ether	ND		1.0
Toluene	ND		1.0
Xylenes, Total	ND		2.0
MTBE	ND		1.0
EDB	ND		1.0
DIPE	ND		1.0
TBA	ND		2.0
1,2-Dichloroethane	ND		1.0
Ethylbenzene	ND		1.0
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	100	70 - 130	
1,2-Dichloroethane-d4 (Surr)	108	70 - 130	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44594**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44594/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/02/2008 1257
Date Prepared: 12/02/2008 0800

Analysis Batch: 720-44549
Prep Batch: 720-44594
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120208\ls-s
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44594/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/02/2008 1203
Date Prepared: 12/02/2008 0800

Analysis Batch: 720-44549
Prep Batch: 720-44594
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120208\ld-sc
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	114	109	74 - 121	5	20		
Toluene	114	110	86 - 121	4	20		
MTBE	124	114	84 - 127	9	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	107		116		70 - 130		
1,2-Dichloroethane-d4 (Surr)	121		121		70 - 130		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44310

Lab Sample ID: MB 720-44310/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2154
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Method: 8270C Preparation: 3510C

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\mb
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	ND		2.0
Bis(2-chloroethyl)ether	ND		2.0
2-Chlorophenol	ND		2.0
1,3-Dichlorobenzene	ND		2.0
1,4-Dichlorobenzene	ND		2.0
Benzyl alcohol	ND		5.0
1,2-Dichlorobenzene	ND		2.0
2-Methylphenol	ND		2.0
4-Methylphenol	ND		2.0
N-Nitrosodi-n-propylamine	ND		2.0
Hexachloroethane	ND		2.0
Nitrobenzene	ND		2.0
Isophorone	ND		2.0
2-Nitrophenol	ND		2.0
2,4-Dimethylphenol	ND		2.0
Bis(2-chloroethoxy)methane	ND		5.0
2,4-Dichlorophenol	ND		5.0
1,2,4-Trichlorobenzene	ND		2.0
Naphthalene	ND		2.0
4-Chloroaniline	ND		2.0
Hexachlorobutadiene	ND		2.0
4-Chloro-3-methylphenol	ND		5.0
2-Methylnaphthalene	ND		2.0
Hexachlorocyclopentadiene	ND		5.0
2,4,6-Trichlorophenol	ND		2.0
2,4,5-Trichlorophenol	ND		2.0
2-Chloronaphthalene	ND		2.0
2-Nitroaniline	ND		10
Dimethyl phthalate	ND		5.0
Acenaphthylene	ND		2.0
3-Nitroaniline	ND		5.0
Acenaphthene	ND		2.0
2,4-Dinitrophenol	ND		10
4-Nitrophenol	ND		10
Dibenzofuran	ND		2.0
2,4-Dinitrotoluene	ND		2.0
2,6-Dinitrotoluene	ND		5.0
Diethyl phthalate	ND		5.0
4-Chlorophenyl phenyl ether	ND		5.0
Fluorene	ND		2.0
4-Nitroaniline	ND		10

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44310

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-44310/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2154
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\mb
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		10
N-Nitrosodiphenylamine	ND		2.0
4-Bromophenyl phenyl ether	ND		5.0
Hexachlorobenzene	ND		2.0
Pentachlorophenol	ND		10
Phenanthrene	ND		2.0
Anthracene	ND		2.0
Di-n-butyl phthalate	ND		5.0
Fluoranthene	ND		2.0
Pyrene	ND		2.0
Butyl benzyl phthalate	ND		5.0
3,3'-Dichlorobenzidine	ND		5.0
Benzo[a]anthracene	ND		5.0
Bis(2-ethylhexyl) phthalate	ND		10
Chrysene	ND		2.0
Di-n-octyl phthalate	ND		20
Benzo[b]fluoranthene	ND		2.0
Benzo[a]pyrene	ND		2.0
Benzo[k]fluoranthene	ND		2.0
Indeno[1,2,3-cd]pyrene	ND		2.0
Benzo[g,h,i]perylene	ND		2.0
Benzoic acid	ND		10
Azobenzene	ND		2.0
Dibenz(a,h)anthracene	ND		2.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	56	6 - 98
2-Fluorobiphenyl	58	6 - 103
Terphenyl-d14	74	36 - 106
2-Fluorophenol	32	1 - 66
Phenol-d5	20	1 - 47
2,4,6-Tribromophenol	61	22 - 124

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44310

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-44310/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2227
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 720-44310/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2301
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\lcscd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phenol	26	27	12 - 89	2	35		
Bis(2-chloroethyl)ether	69	66	43 - 126	4	35		
2-Chlorophenol	60	60	23 - 134	1	25		
1,3-Dichlorobenzene	48	49	17 - 153	1	35		
1,4-Dichlorobenzene	47	46	36 - 97	3	30		
Benzyl alcohol	60	60	10 - 130	0	35		
1,2-Dichlorobenzene	52	51	37 - 92	2	35		
2-Methylphenol	57	56	10 - 130	0	35		
4-Methylphenol	47	48	10 - 130	1	35		
N-Nitrosodi-n-propylamine	67	68	10 - 130	2	34		
Hexachloroethane	44	45	30 - 103	3	35		
Nitrobenzene	67	68	48 - 106	2	35		
Isophorone	73	76	47 - 180	4	35		
2-Nitrophenol	71	71	45 - 166	1	35		
2,4-Dimethylphenol	72	68	42 - 109	6	35		
Bis(2-chloroethoxy)methane	71	70	43 - 164	1	35		
2,4-Dichlorophenol	70	71	53 - 121	1	35		
1,2,4-Trichlorobenzene	59	61	44 - 142	3	35		
Naphthalene	61	60	36 - 119	2	35		
4-Chloroaniline	55	51	10 - 130	7	35		
Hexachlorobutadiene	55	53	38 - 102	4	35		
4-Chloro-3-methylphenol	73	72	22 - 147	1	31		
2-Methylnaphthalene	63	58	10 - 130	9	35		
Hexachlorocyclopentadiene	69	72	10 - 130	3	35		
2,4,6-Trichlorophenol	73	80	47 - 108	9	35		
2,4,5-Trichlorophenol	77	77	20 - 120	1	35		
2-Chloronaphthalene	68	72	10 - 130	7	35		
2-Nitroaniline	77	78	10 - 130	1	35		
Dimethyl phthalate	89	87	10 - 130	1	35		
Acenaphthylene	85	82	54 - 126	3	35		
3-Nitroaniline	87	82	10 - 130	5	35		
Acenaphthene	70	69	48 - 104	1	30		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44310

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-44310/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2227
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 720-44310/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2301
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\lcscd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2,4-Dinitrophenol	82	85	10 - 130	4	35		
4-Nitrophenol	42	46	1 - 132	9	35		
Dibenzofuran	74	72	10 - 130	3	35		
2,4-Dinitrotoluene	82	82	39 - 139	0	35		
2,6-Dinitrotoluene	85	83	10 - 130	2	35		
Diethyl phthalate	84	81	10 - 130	4	35		
4-Chlorophenyl phenyl ether	72	76	39 - 144	7	35		
Fluorene	76	74	55 - 111	3	35		
4-Nitroaniline	86	90	10 - 130	5	35		
2-Methyl-4,6-dinitrophenol	82	91	53 - 110	10	35		
N-Nitrosodiphenylamine	84	88	14 - 170	5	35		
4-Bromophenyl phenyl ether	75	82	10 - 130	9	35		
Hexachlorobenzene	72	83	8 - 140	13	35		
Pentachlorophenol	76	80	45 - 125	6	35		
Phenanthrene	73	80	44 - 125	9	35		
Anthracene	67	77	44 - 118	14	35		
Di-n-butyl phthalate	78	82	9 - 111	6	35		
Fluoranthene	76	78	43 - 121	2	35		
Pyrene	77	73	52 - 115	4	35		
Butyl benzyl phthalate	93	78	10 - 139	18	35		
3,3'-Dichlorobenzidine	105	101	9 - 212	3	35		
Benzo[a]anthracene	81	83	42 - 133	2	35		
Bis(2-ethylhexyl) phthalate	82	78	29 - 136	5	35		
Chrysene	73	71	42 - 139	3	35		
Di-n-octyl phthalate	78	80	10 - 130	3	35		
Benzo[b]fluoranthene	96	79	42 - 140	19	35		
Benzo[a]pyrene	74	68	32 - 148	9	35		
Benzo[k]fluoranthene	73	68	26 - 145	6	35		
Indeno[1,2,3-cd]pyrene	91	86	10 - 150	5	35		
Benzo[g,h,i]perylene	85	82	10 - 140	3	35		
Benzoic acid	30	27	10 - 130	9	35		
Azobenzene	79	78	12 - 89	2	35		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44310**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 720-44310/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2227
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 720-44310/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/26/2008 2301
Date Prepared: 11/25/2008 1622

Analysis Batch: 720-44403
Prep Batch: 720-44310
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200811\112608\lcscd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dibenz(a,h)anthracene	85	80	10 - 130	7	35		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Nitrobenzene-d5	73		71		6 - 98		
2-Fluorobiphenyl	71		72		6 - 103		
Terphenyl-d14	89		81		36 - 106		
2-Fluorophenol	37		38		1 - 66		
Phenol-d5	26		25		1 - 47		
2,4,6-Tribromophenol	81		85		22 - 124		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44435

Method: 8270C

Preparation: 3550B

Lab Sample ID: MB 720-44435/1-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 12/01/2008 1413

Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483

Prep Batch: 720-44435

Units: mg/Kg

Instrument ID: Sat 2K1

Lab File ID: d:\data\200812\120108\mb

Initial Weight/Volume: 30.31 g

Final Weight/Volume: 1 mL

Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	ND		0.066
Bis(2-chloroethyl)ether	ND		0.066
2-Chlorophenol	ND		0.066
1,3-Dichlorobenzene	ND		0.066
1,4-Dichlorobenzene	ND		0.066
Benzyl alcohol	ND		0.17
1,2-Dichlorobenzene	ND		0.066
2-Methylphenol	ND		0.066
4-Methylphenol	ND		0.066
N-Nitrosodi-n-propylamine	ND		0.066
Hexachloroethane	ND		0.066
Nitrobenzene	ND		0.066
Isophorone	ND		0.066
2-Nitrophenol	ND		0.066
2,4-Dimethylphenol	ND		0.066
Bis(2-chloroethoxy)methane	ND		0.17
2,4-Dichlorophenol	ND		0.33
1,2,4-Trichlorobenzene	ND		0.066
Naphthalene	ND		0.066
4-Chloroaniline	ND		0.066
Hexachlorobutadiene	ND		0.066
4-Chloro-3-methylphenol	ND		0.17
2-Methylnaphthalene	ND		0.066
Hexachlorocyclopentadiene	ND		0.17
2,4,6-Trichlorophenol	ND		0.066
2,4,5-Trichlorophenol	ND		0.066
2-Chloronaphthalene	ND		0.066
2-Nitroaniline	ND		0.33
Dimethyl phthalate	ND		0.17
Acenaphthylene	ND		0.066
3-Nitroaniline	ND		0.17
Acenaphthene	ND		0.066
2,4-Dinitrophenol	ND		0.33
4-Nitrophenol	ND		0.33
Dibenzofuran	ND		0.066
2,4-Dinitrotoluene	ND		0.066
2,6-Dinitrotoluene	ND		0.066
Diethyl phthalate	ND		0.17
4-Chlorophenyl phenyl ether	ND		0.17
Fluorene	ND		0.066
4-Nitroaniline	ND		0.33

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44435

Method: 8270C

Preparation: 3550B

Lab Sample ID: MB 720-44435/1-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 12/01/2008 1413

Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483

Prep Batch: 720-44435

Units: mg/Kg

Instrument ID: Sat 2K1

Lab File ID: d:\data\200812\120108\mb

Initial Weight/Volume: 30.31 g

Final Weight/Volume: 1 mL

Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		0.33
N-Nitrosodiphenylamine	ND		0.066
4-Bromophenyl phenyl ether	ND		0.17
Hexachlorobenzene	ND		0.066
Pentachlorophenol	ND		0.33
Phenanthrene	ND		0.066
Anthracene	ND		0.066
Di-n-butyl phthalate	ND		0.17
Fluoranthene	ND		0.066
Pyrene	ND		0.066
Butyl benzyl phthalate	ND		0.17
3,3'-Dichlorobenzidine	ND		0.17
Benzo[a]anthracene	ND		0.33
Bis(2-ethylhexyl) phthalate	ND		0.33
Chrysene	ND		0.066
Di-n-octyl phthalate	ND		0.99
Benzo[b]fluoranthene	ND		0.066
Benzo[a]pyrene	ND		0.066
Benzo[k]fluoranthene	ND		0.066
Indeno[1,2,3-cd]pyrene	ND		0.066
Benzo[g,h,i]perylene	ND		0.066
Benzoic acid	ND		0.33
Azobenzene	ND		0.066
Dibenz(a,h)anthracene	ND		0.066

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	74	21 - 98
2-Fluorobiphenyl	69	38 - 96
Terphenyl-d14	85	32 - 117
2-Fluorophenol	72	28 - 98
Phenol-d5	81	23 - 101
2,4,6-Tribromophenol	75	37 - 114

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44435

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-44435/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1446
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\LC
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 720-44435/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1520
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\LCSD
Initial Weight/Volume: 30.36 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phenol	70	73	48 - 90	4	35		
Bis(2-chloroethyl)ether	79	79	45 - 92	0	35		
2-Chlorophenol	74	74	48 - 93	0	35		
1,3-Dichlorobenzene	72	74	41 - 91	2	35		
1,4-Dichlorobenzene	68	70	40 - 89	4	35		
Benzyl alcohol	78	80	54 - 102	3	35		
1,2-Dichlorobenzene	71	73	44 - 92	4	35		
2-Methylphenol	75	79	54 - 97	5	35		
4-Methylphenol	72	74	50 - 95	2	35		
N-Nitrosodi-n-propylamine	79	78	46 - 98	0	35		
Hexachloroethane	70	74	44 - 94	7	35		
Nitrobenzene	72	83	48 - 99	14	35		
Isophorone	80	87	54 - 100	9	35		
2-Nitrophenol	75	80	48 - 99	6	35		
2,4-Dimethylphenol	68	74	52 - 106	8	35		
Bis(2-chloroethoxy)methane	72	80	46 - 97	11	35		
2,4-Dichlorophenol	73	79	49 - 100	7	35		
1,2,4-Trichlorobenzene	74	78	47 - 95	5	35		
Naphthalene	75	77	44 - 92	2	35		
4-Chloroaniline	40	42	20 - 49	7	35		
Hexachlorobutadiene	71	80	44 - 95	11	35		
4-Chloro-3-methylphenol	75	84	58 - 104	12	35		
2-Methylnaphthalene	72	78	49 - 100	8	35		
Hexachlorocyclopentadiene	90	94	42 - 132	5	35		
2,4,6-Trichlorophenol	67	78	45 - 102	15	35		
2,4,5-Trichlorophenol	71	81	48 - 105	13	35		
2-Chloronaphthalene	78	79	52 - 102	1	35		
2-Nitroaniline	73	84	54 - 105	14	35		
Dimethyl phthalate	85	88	64 - 119	3	35		
Acenaphthylene	85	89	61 - 129	5	35		
3-Nitroaniline	80	79	50 - 103	1	35		
Acenaphthene	81	79	50 - 98	2	35		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44435

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-44435/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1446
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\LC
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 720-44435/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1520
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\LCSD
Initial Weight/Volume: 30.36 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2,4-Dinitrophenol	59	72	21 - 96	20	35		
4-Nitrophenol	95	104	54 - 125	9	35		
Dibenzofuran	73	82	55 - 100	12	35		
2,4-Dinitrotoluene	83	84	57 - 110	1	35		
2,6-Dinitrotoluene	85	81	54 - 119	5	35		
Diethyl phthalate	77	85	49 - 117	10	35		
4-Chlorophenyl phenyl ether	72	85	57 - 103	17	35		
Fluorene	76	78	54 - 104	3	35		
4-Nitroaniline	83	84	59 - 114	1	35		
2-Methyl-4,6-dinitrophenol	75	83	48 - 111	9	35		
N-Nitrosodiphenylamine	80	86	56 - 105	7	35		
4-Bromophenyl phenyl ether	82	82	53 - 101	1	35		
Hexachlorobenzene	74	77	55 - 105	4	35		
Pentachlorophenol	67	74	35 - 90	10	35		
Phenanthrene	80	80	54 - 100	0	35		
Anthracene	74	75	55 - 101	1	35		
Di-n-butyl phthalate	73	78	55 - 102	7	35		
Fluoranthene	70	79	54 - 102	11	35		
Pyrene	75	79	48 - 91	6	35		
Butyl benzyl phthalate	83	83	53 - 98	0	35		
3,3'-Dichlorobenzidine	94	93	42 - 87	1	35	*	*
Benzo[a]anthracene	79	82	55 - 91	3	35		
Bis(2-ethylhexyl) phthalate	79	83	53 - 98	6	35		
Chrysene	75	77	49 - 96	3	35		
Di-n-octyl phthalate	78	81	53 - 91	5	35		
Benzo[b]fluoranthene	78	83	56 - 105	6	35		
Benzo[a]pyrene	60	75	55 - 102	22	35		
Benzo[k]fluoranthene	69	84	51 - 93	20	35		
Indeno[1,2,3-cd]pyrene	79	98	56 - 110	21	35		
Benzo[g,h,i]perylene	82	88	56 - 106	7	35		
Benzoic acid	19	29	8 - 35	43	35		*
Azobenzene	75	85	52 - 100	12	35		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44435**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-44435/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1446
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\LC
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 720-44435/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1520
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\LCSD
Initial Weight/Volume: 30.36 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dibenz(a,h)anthracene	79	94	58 - 108	17	35		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Nitrobenzene-d5	77		83		21 - 98		
2-Fluorobiphenyl	76		72		38 - 96		
Terphenyl-d14	90		84		32 - 117		
2-Fluorophenol	70		72		28 - 98		
Phenol-d5	83		85		23 - 101		
2,4,6-Tribromophenol	84		92		37 - 114		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44435

Method: 8270C
Preparation: 3550B

MS Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1627
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\720-17056-12
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

MSD Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1700
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\720-17056-12
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	52	38	23 - 95	13	35		
Bis(2-chloroethyl)ether	72	73	27 - 90	2	35		
2-Chlorophenol	72	77	16 - 102	7	35		
1,3-Dichlorobenzene	0	0	22 - 86	NC	35	F	F
1,4-Dichlorobenzene	62	61	21 - 83	1	35		
Benzyl alcohol	80	87	28 - 104	8	35		
1,2-Dichlorobenzene	0	0	25 - 90	NC	35	F	F
2-Methylphenol	81	86	32 - 100	7	35		
4-Methylphenol	66	68	28 - 100	3	35		
N-Nitrosodi-n-propylamine	76	81	27 - 92	6	35		
Hexachloroethane	64	61	19 - 93	5	35		
Nitrobenzene	99	92	30 - 99	7	35		
Isophorone	82	80	36 - 101	2	35		
2-Nitrophenol	134	146	11 - 116	8	35	F	F
2,4-Dimethylphenol	78	80	36 - 108	3	35		
Bis(2-chloroethoxy)methane	74	74	28 - 96	0	35		
2,4-Dichlorophenol	76	71	17 - 117	7	35		
1,2,4-Trichlorobenzene	72	70	29 - 92	2	35		
Naphthalene	71	70	22 - 97	1	35		
4-Chloroaniline	50	50	7 - 63	1	35		
Hexachlorobutadiene	77	76	26 - 92	2	35		
4-Chloro-3-methylphenol	79	77	42 - 106	3	35		
2-Methylnaphthalene	68	63	28 - 101	6	35		
Hexachlorocyclopentadiene	89	89	15 - 109	1	35		
2,4,6-Trichlorophenol	81	82	25 - 112	2	35		
2,4,5-Trichlorophenol	82	78	38 - 111	5	35		
2-Chloronaphthalene	80	70	38 - 97	13	35		
2-Nitroaniline	79	86	43 - 103	8	35		
Dimethyl phthalate	83	87	55 - 116	5	35		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44435

Method: 8270C
Preparation: 3550B

MS Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1627
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\720-17056-12
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

MSD Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1700
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\720-17056-12
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthylene	84	81	49 - 120	4	35		
3-Nitroaniline	77	85	39 - 103	10	35		
Acenaphthene	70	70	42 - 90	0	35		
2,4-Dinitrophenol	77	82	13 - 122	6	35		
4-Nitrophenol	105	105	25 - 147	0	35		
Dibenzofuran	68	72	43 - 96	6	35		
2,4-Dinitrotoluene	82	88	47 - 107	8	35		
2,6-Dinitrotoluene	80	83	55 - 111	3	35		
Diethyl phthalate	82	83	48 - 105	1	35		
4-Chlorophenyl phenyl ether	78	78	44 - 105	0	35		
Fluorene	76	74	41 - 102	3	35		
4-Nitroaniline	75	79	47 - 120	6	35		
2-Methyl-4,6-dinitrophenol	88	99	19 - 132	12	35		
N-Nitrosodiphenylamine	79	93	43 - 107	16	35		
4-Bromophenyl phenyl ether	76	80	45 - 96	5	35		
Hexachlorobenzene	86	83	48 - 99	4	35		
Pentachlorophenol	79	83	7 - 132	5	35		
Phenanthrene	73	83	38 - 107	12	35		
Anthracene	71	83	47 - 98	15	35		
Di-n-butyl phthalate	78	87	46 - 112	11	35		
Fluoranthene	75	87	40 - 113	15	35		
Pyrene	76	86	35 - 101	12	35		
Butyl benzyl phthalate	88	93	40 - 106	5	35		
3,3'-Dichlorobenzidine	102	103	17 - 96	1	35	F	F
Benzo[a]anthracene	86	90	42 - 102	4	35		
Bis(2-ethylhexyl) phthalate	89	94	42 - 102	5	35		
Chrysene	76	79	37 - 97	3	35		
Di-n-octyl phthalate	86	88	46 - 94	2	35		
Benzo[b]fluoranthene	77	78	43 - 100	2	35		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44435

Method: 8270C
Preparation: 3550B

MS Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1627
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\720-17056-1
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

MSD Lab Sample ID: 720-17056-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1700
Date Prepared: 11/28/2008 1517

Analysis Batch: 720-44483
Prep Batch: 720-44435

Instrument ID: Sat 2K1
Lab File ID: d:\data\200812\120108\720-17056-1
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	58	60	48 - 95	4	35		
Benzo[k]fluoranthene	65	66	39 - 88	1	35		
Indeno[1,2,3-cd]pyrene	76	80	50 - 105	6	35		
Benzo[g,h,i]perylene	69	77	43 - 113	11	35		
Benzoic acid	35	38	0 - 85	10	35		
Azobenzene	75	76	48 - 95	1	35		
Dibenz(a,h)anthracene	73	76	49 - 103	4	35		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Nitrobenzene-d5	0	X	0	X	21 - 98		
2-Fluorobiphenyl	75		78		38 - 96		
Terphenyl-d14	89		96		32 - 117		
2-Fluorophenol	59		63		28 - 98		
Phenol-d5	76		80		23 - 101		
2,4,6-Tribromophenol	81		87		37 - 114		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44366

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-44366/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 1139
Date Prepared: 11/26/2008 1413

Analysis Batch: 720-44436
Prep Batch: 720-44366
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Kerosene Range Organics (C9-C19)	ND		50
Stoddard Solvent Range Organics (C9-C13)	ND		50
Surrogate	% Rec	Acceptance Limits	
p-Terphenyl	92	50 - 150	

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44366

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-44366/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/27/2008 0829
Date Prepared: 11/26/2008 1413

Analysis Batch: 720-44436
Prep Batch: 720-44366
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-44366/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/27/2008 0856
Date Prepared: 11/26/2008 1413

Analysis Batch: 720-44436
Prep Batch: 720-44366
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	88	79	50 - 130	11	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
p-Terphenyl	91		86	50 - 150			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44428

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-44428/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1139
Date Prepared: 11/28/2008 1410

Analysis Batch: 720-44514
Prep Batch: 720-44428
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Kerosene Range Organics (C9-C19)	ND		1.0
Stoddard Solvent Range Organics (C9-C13)	ND		1.0
Surrogate	% Rec	Acceptance Limits	
p-Terphenyl	80	40 - 119	

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44428

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-44428/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1045
Date Prepared: 11/28/2008 1410

Analysis Batch: 720-44514
Prep Batch: 720-44428
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.28 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-44428/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/01/2008 1112
Date Prepared: 11/28/2008 1410

Analysis Batch: 720-44514
Prep Batch: 720-44428
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	73	69	50 - 130	6	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	77		77		40 - 119		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44469

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-44469/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 0141
Date Prepared: 12/01/2008 1230

Analysis Batch: 720-44532
Prep Batch: 720-44469
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Kerosene Range Organics (C9-C19)	ND		50
Stoddard Solvent Range Organics (C9-C13)	ND		50
Surrogate	% Rec	Acceptance Limits	
p-Terphenyl	85	50 - 150	

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44469

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-44469/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2008 2134
Date Prepared: 12/01/2008 1230

Analysis Batch: 720-44532
Prep Batch: 720-44469
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-44469/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 0113
Date Prepared: 12/01/2008 1230

Analysis Batch: 720-44532
Prep Batch: 720-44469
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	87	80	50 - 130	9	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
p-Terphenyl	91		84	50 - 150			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44337

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-44337/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 0733
Date Prepared: 11/26/2008 1000

Analysis Batch: 720-44402
Prep Batch: 720-44337
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.97

LCS-Standard Reference Material - Batch: 720-44337

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-44337/25-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 0914
Date Prepared: 11/26/2008 1000

Analysis Batch: 720-44402
Prep Batch: 720-44337
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	44.1	39.5	89	62 - 113	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44337**

**Method: 6010B
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-44337/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 0736
Date Prepared: 11/26/2008 1000

Analysis Batch: 720-44402
Prep Batch: 720-44337
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.98 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-44337/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 0740
Date Prepared: 11/26/2008 1000

Analysis Batch: 720-44402
Prep Batch: 720-44337
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.96 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	96	99	80 - 120	6	20		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44367

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-44367/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1118
Date Prepared: 11/26/2008 1416

Analysis Batch: 720-44425
Prep Batch: 720-44367
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.96 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		1.0

LCS-Standard Reference Material - Batch: 720-44367

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-44367/22-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1153
Date Prepared: 11/26/2008 1422

Analysis Batch: 720-44425
Prep Batch: 720-44367
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	44.1	40.5	92	62 - 113	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44367

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-44367/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1121
Date Prepared: 11/26/2008 1416

Analysis Batch: 720-44425
Prep Batch: 720-44367
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.96 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-44367/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1134
Date Prepared: 11/26/2008 1416

Analysis Batch: 720-44425
Prep Batch: 720-44367
Units: mg/Kg

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.96 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	90	95	80 - 120	6	20		

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-44367

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 720-17056-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1138
Date Prepared: 11/26/2008 1416

Analysis Batch: 720-44425
Prep Batch: 720-44367

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.96 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-17056-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/28/2008 1142
Date Prepared: 11/26/2008 1416

Analysis Batch: 720-44425
Prep Batch: 720-44367

Instrument ID: Thermo 6500 ICP
Lab File ID: N/A
Initial Weight/Volume: 0.96 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	87	81	75 - 125	7	20		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Method Blank - Batch: 720-44454

Lab Sample ID: MB 720-44454/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 1024
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454
Units: mg/L

Method: 6010B Preparation: 3010A

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.0050

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44454

Method: 6010B Preparation: 3010A

LCS Lab Sample ID: LCS 720-44454/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 1027
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-44454/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/02/2008 1031
Date Prepared: 12/01/2008 0945

Analysis Batch: 720-44530
Prep Batch: 720-44454
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	101	102	80 - 120	1	20		

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

Sidhu, Surinder

720-17056-email

From: Elena Manzo [emanzo@somaenv.com]
Sent: Tuesday, November 25, 2008 11:43 AM
To: Sidhu, Surinder
Subject: 316 38th street

Surinder,

Please also analyze TB2-1 @ 6 ft everything (8260, 8015, lead) but the SVOCs. Please let me know if you have any questions.

Sincerely,

Elena K. Manzo

Senior Project Scientist

SOMA Environmental Engineering

Phone:(925)734-6400

Fax:(925)734-6401

Sidhu, Surinder

720-17056-email

From: Elena Manzo [emanzo@somaenv.com]

Sent: Tuesday, November 25, 2008 10:55 AM

To: Sidhu, Surinder

Subject: Re: 316 38th street

Dear Surinder,

Please analyze the following TB1-1@18' for SVOCs by EPA 8270

Thank you

Elena K. Manzo

Senior Project Scientist

SOMA Environmental Engineering

Phone:(925)734-6400

Fax:(925)734-6401

720-17056

Chain of Custody Record

113522
TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

COC No:

1 of 6 COCs

Job No.

SDG No.

Sample Specific Notes:

Client Contact		Project Manager:		Site Contact: Lizzie Hightower		Date: 11/24/08		COC No:			
SOMA Environmental Engineering		Tel/Fax: jbobek@somaenv.com		Lab Contact:		Carrier:		1 of 6 COCs			
6620 Owens Drive, Suite A		Analysis Turnaround Time		Filtered Sample TPH-g, BTEX, GAS OX, VOCs 8260 TPH-d, TPH-ss, Kerosene 8015 Total Lead SVOCs 8270				Job No.			
Pleasanton, CA 94588		Calendar (C) or Work Days (W)									
(925) 734-6400 Phone		TAT if different from Below <u>Standard</u>									
(925) 734-6401 FAX		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Project Name: 316 38th St., Oakland											
Site:											
P O # 2722											
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.					
TB1-1		11/21/08	8:10	Grab Sample	Water	9 VOAS	X				
TB1-1		↓	↓	Grab Sample	Water	1 - 1L Amber		X			
TB1-1		↓	↓	Grab Sample	Water	1 - 250 mL Poly			X		
TB1-3		11/20/08	13:20	Grab Sample	Water	9 VOAS	X				
TB1-3		↓	↓	Grab Sample	Water	1 - 1L Amber		X			
TB1-3		↓	↓	Grab Sample	Water	1 - 250 mL Poly			X		
TB1-4		11/21/08	08:20	Grab Sample	Water	9 VOAS	X				
TB1-4		↓	↓	Grab Sample	Water	1 - 1L Amber		X			
TB1-4		↓	↓	Grab Sample	Water	1 - 250 mL Poly			X		
TB2-1		11/21/08	12:55	Grab Sample	Water	9 VOAS	X				
TB2-1		↓	↓	Grab Sample	Water	1 - 1L Amber		X			
TB2-1		↓	↓	Grab Sample	Water	1 - 250 mL Poly			X		
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other							2	1	4		
Possible Hazard Identification							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Special Instructions/QC Requirements & Comments: EDF OUTPUT REQUIRED											
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
E. Hightower		SOMA		11/24/08 11:15		L. S. 2/2		SOMA		11/24/08 11:15	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
L. S. 2/2		SOMA		11/24/08 11:51		Joan Mullen		Test America		11-24-08 11:51	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	

720-17056
Chain of Custody Record

113527
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

[illegible]

720-17056

Chain of Custody Record

Client Contact		Project Manager:		Site Contact: Lizzie Hightower		Date: 11/24/08		COC No:			
SOMA Environmental Engineering		Tel/Fax: jbobek@somaenv.com		Lab Contact:		Carrier:		3 of 6 COCs			
6620 Owens Drive, Suite A		Analysis Turnaround Time		Filtered Sample TPH-g, BTEX, GAS OX, VOCs 8260 TPH-d, TPH-ss, Kerosene 8015 Total Lead SVOCs 8270				Job No.			
Pleasanton, CA 94588		Calendar (C) or Work Days (W)						SDG No.			
(925) 734-6400 Phone		TAT if different from Below <u>Standard</u>									
(925) 734-6401 FAX		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Project Name: 316 38th St., Oakland											
Site:											
P O # 2722											
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.			Sample Specific Notes:		
TB1-1 @ 10 ft		11/21/08	9:05	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 12 ft			9:01	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 14 ft			9:19	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 16 ft			9:15	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 18 ft			9:33	Soil Boring	Soil	1 - 6 in sleeve	X	X	X		
TB1-1 @ 20 ft			9:36	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 22 ft			9:51	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 24 ft			9:53	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 26 ft			10:09	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-1 @ 27 ft			10:11	Soil Boring	Soil	1 - 6 in sleeve	X	X	X		
TB1-3 @ 10 ft		11/20/08	14:34	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB1-3 @ 12 ft			14:30	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other							1	1	1	Hold	
Possible Hazard Identification							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Special Instructions/QC Requirements & Comments: EDF OUTPUT REQUIRED											
Relinquished by: <u>E. Hightower</u>		Company: <u>SOMA</u>		Date/Time: <u>11/24/08 11:15</u>		Received by: <u>[Signature]</u>		Company: <u>SOMA</u>		Date/Time: <u>11/24/08 11:15</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>SOMA</u>		Date/Time: <u>11/24/08 11:57</u>		Received by: <u>[Signature]</u>		Company: <u>Test America</u>		Date/Time: <u>11-24-08 11:51</u>	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	

1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

720-17056
Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

113522

TestAmerica Laboratories, Inc.

Client Contact		Project Manager:		Site Contact: Lizzie Hightower		Date: 11/24/08		COC No:												
SOMA Environmental Engineering 6620 Owens Drive, Suite A Pleasanton, CA 94588 (925) 734-6400 Phone (925) 734-6401 FAX Project Name: 316 38th St., Oakland Site: PO # 2722		Tel/Fax: jbobek@somaenv.com		Lab Contact:		Carrier:		4 of 6 COCs												
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.													Job No.	
																			SDG No.	
TB1-3 @ 14 ft	11/20/08	14:52	Soil Boring	Soil	1 - 6 in sleeve	X X X														
TB1-3 @ 16 ft		14:46	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-3 @ 18 ft		15:02	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-3 @ 20 ft		15:20	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-3 @ 22 ft		15:24	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-3 @ 24 ft		15:27	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-3 @ 26 ft		15:41	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-3 @ 27 ft		15:45	Soil Boring	Soil	1 - 6 in sleeve	X X X														
TB1-4 @ 24 ft	11/21/08	11:09	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-4 @ 26 ft		11:04	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
TB1-4 @ 27 ft		11:01	Soil Boring	Soil	1 - 6 in sleeve	X X X														
TB2-1 @ 6 ft	11/20/08	13:04	Soil Boring	Soil	1 - 6 in sleeve	X X X													Hold	
Preservation Used: 1= Ice, 2= HCl; 3= H ₂ SO ₄ ; 4= HNO ₃ ; 5= NaOH; 6= Other _____							1	1	1											
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Special Instructions/QC Requirements & Comments: EDF OUTPUT REQUIRED							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For ____ Months													
Relinquished by: 	Company: SOMA	Date/Time: 11/24/08 11:15	Received by: 	Company: SOMA	Date/Time: 11/24/08 11:51	Received by: Joan Mulder	Company: Test America	Date/Time: 11-24-08 11:51												
Relinquished by: 	Company: SOMA	Date/Time: 11/24/08 11:51	Received by:	Company:	Date/Time:	Received by:	Company:	Date/Time:												
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	Received by:	Company:	Date/Time:												

Page 192 of 195

TestAmerica San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

phone 925.484.1919 fax 925.600.3002

720-17056
Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

113522
TestAmerica Laboratories, Inc.

Client Contact		Project Manager:		Site Contact: Lizzie Hightower		Date: 11/24/08		COC No:			
SOMA Environmental Engineering		Tel/Fax: jhobek@somaenv.com		Lab Contact:		Carrier:		5 of 6 COCs			
6620 Owens Drive, Suite A		Analysis Turnaround Time		Filtered Sample TPH-g, BTEX, GAS OX, VOCs 8260 TPH-d, TPH-ss, Kerosene 8015 Total Lead SVOCs 8270				Job No.			
Pleasanton, CA 94588		Calendar (C) or Work Days (W)						SDG No.			
(925) 734-6400 Phone		TAT if different from Below <u>Standard</u>									
(925) 734-6401 FAX		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Project Name: 316 38th St., Oakland											
Site:											
P O # 2722											
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.			Sample Specific Notes:		
TB2-1 @ 8 ft		11/20/08	13:18	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB2-1 @ 10 ft		↓	13:22	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	.	
TB2-2 @ 6 ft		11/20/08	14:00	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB2-2 @ 8 ft		↓	14:24	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB2-2 @ 10 ft		↓	14:26	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	.	
TB3-1 @ 6 ft		11/21/08	13:52	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB3-1 @ 8 ft		↓	13:50	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB3-1 @ 10 ft		↓	14:00	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB3-1 @ 12 ft		↓	13:56	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB3-1 @ 14 ft		↓	14:03	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	.	
TB3-1 @ 16 ft		↓	14:15	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	Hold	
TB3-1 @ 17 ft		↓	14:10	Soil Boring	Soil	1 - 6 in sleeve	X	X	X	.	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other							1	1	1		
Possible Hazard Identification							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Special Instructions/QC Requirements & Comments: EDF OUTPUT REQUIRED											
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
L. Hightower		SOMA		11/24/08 11:15		C. Sze		SOMA		11/24/08 11:15	
C. Sze		SOMA		11/24/08 11:51		Joan Muller		TestAmerica		11-24-08 11:51	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	

 32
 33
 34
 35
 36
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 38
 39
 40
 41
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 43
 Page 193 of 195

1220 Quarry Lane

Pleasanton, CA 94566

phone 925.484.1919 fax 925.600.3002

720-17056
Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

113522
TestAmerica Laboratories, Inc.

[illegible]

Login Sample Receipt Check List

Client: Soma Environmental Engineering

Job Number: 720-17056-1

Login Number: 17056

Creator: Mullen, Joan

List Number: 1

List Source: TestAmerica San Francisco

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

ANALYTICAL REPORT

Job Number: 720-17056-2

Job Description: 316 38th ST Oakland

For:

Soma Environmental Engineering
6620 Owens Drive, Suite A
Pleasanton, CA 94588

Attention: Ms. Joyce Bobek

Surinder Sidhu

Approved for release.
Surinder Sidhu
Customer Service Manager
12/12/2008 11:20 AM

Surinder Sidhu
Customer Service Manager
surinder.sidhu@testamericainc.com
12/12/2008

cc: Ms. Erica Fisker

Job Narrative
720-J17056-2

Comments

No additional comments.

Receipt

Received 2 samples with the ID TB1-1. One of them was not on COC sampled 11-20-08 @16:00. Logged on hold.

One or more containers for the following sample was received broken or leaking: TB1-3 3 voas . They appeared to have been frozen. There is still enough voas for the analyses.

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

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: TB1-1 @ 12 FT (720-17056-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Surrogate recovery for matrix spike duplicate (MSD) is out of control limit. The associated laboratory control standard and laboratory control standard duplicated (LCS/LCSD) met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Concentrations reported represent individual or discrete peaks: 17056-38

No other analytical or quality issues were noted.

Organic Prep

Method(s) 3550B: The following sample(s) was prepared outside of preparation holding time: TB1-3 @ 10 FT (720-17056-18), TB1-3 @ 12 FT (720-17056-19), TB2-2 @ 6 FT (720-17056-34), TB2-2 @ 8 FT (720-17056-35).

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-17056-8 TB1-1 @ 10 FT					
Gasoline Range Organics (GRO)-C5-C12		3.1	1.2	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		3.3	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		6.0	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		4.5	1.0	mg/Kg	8015B
720-17056-9 TB1-1 @ 12 FT					
Gasoline Range Organics (GRO)-C5-C12		850	120	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		260	5.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		340	5.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		340	5.0	mg/Kg	8015B
720-17056-18 TB1-3 @ 10 FT					
Gasoline Range Organics (GRO)-C5-C12		7.3	0.23	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		12 H	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		22 H	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		21 H	1.0	mg/Kg	8015B
720-17056-19 TB1-3 @ 12 FT					
Gasoline Range Organics (GRO)-C5-C12		300	49	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		35 H	1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		53 H	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		58 H	1.0	mg/Kg	8015B
720-17056-28 TB1-4 @ 24 FT					
Kerosene Range Organics (C9-C19)		3.7	1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		1.8	1.0	mg/Kg	8015B
720-17056-34 TB2-2 @ 6 FT					
Gasoline Range Organics (GRO)-C5-C12		250	48	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		15 H	0.99	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		27 H	0.99	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		28 H	0.99	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-17056-35	TB2-2 @ 8 FT					
Gasoline Range Organics (GRO)-C5-C12		3900		120	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		630	H	9.9	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		950	H	9.9	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		950	H	9.9	mg/Kg	8015B
720-17056-37	TB3-1 @ 6 FT					
Diesel Range Organics [C10-C28]		2.5		1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		1.4		1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		1.1		1.0	mg/Kg	8015B
720-17056-38	TB3-1 @ 8 FT					
Gasoline Range Organics (GRO)-C5-C12		220		97	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		4.4		0.98	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		7.4		0.98	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		4.0		0.98	mg/Kg	8015B
720-17056-44	TB3-2 @ 6 FT					
Diesel Range Organics [C10-C28]		31		1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		5.0		1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		2.5		1.0	mg/Kg	8015B
720-17056-45	TB3-2 @ 12 FT					
Gasoline Range Organics (GRO)-C5-C12		2100		240	mg/Kg	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		12		1.0	mg/Kg	8015B
Kerosene Range Organics (C9-C19)		17		1.0	mg/Kg	8015B
Stoddard Solvent Range Organics (C9-C13)		15		1.0	mg/Kg	8015B

METHOD SUMMARY

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

SAMPLE SUMMARY

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-17056-8	TB1-1 @ 10 FT	Solid	11/21/2008 0905	11/24/2008 1151
720-17056-9	TB1-1 @ 12 FT	Solid	11/21/2008 0901	11/24/2008 1151
720-17056-18	TB1-3 @ 10 FT	Solid	11/20/2008 1434	11/24/2008 1151
720-17056-19	TB1-3 @ 12 FT	Solid	11/20/2008 1430	11/24/2008 1151
720-17056-28	TB1-4 @ 24 FT	Solid	11/21/2008 1109	11/24/2008 1151
720-17056-34	TB2-2 @ 6 FT	Solid	11/20/2008 1400	11/24/2008 1151
720-17056-35	TB2-2 @ 8 FT	Solid	11/20/2008 1424	11/24/2008 1151
720-17056-37	TB3-1 @ 6 FT	Solid	11/21/2008 1352	11/24/2008 1151
720-17056-38	TB3-1 @ 8 FT	Solid	11/21/2008 1350	11/24/2008 1151
720-17056-44	TB3-2 @ 6 FT	Solid	11/21/2008 1208	11/24/2008 1151
720-17056-45	TB3-2 @ 12 FT	Solid	11/21/2008 1218	11/24/2008 1151

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-1 @ 12 FT

Lab Sample ID: 720-17056-9

Client Matrix: Solid

Date Sampled: 11/21/2008 0901

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44659

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44655

Lab File ID: 120408018.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Date Analyzed: 12/04/2008 1904

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 1500

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Tetrachloroethene		ND		5.0
Trichloroethene		ND		5.0
Vinyl chloride		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		268	X	52 - 128
1,2-Dichloroethane-d4 (Surr)		97		67 - 110
Toluene-d8 (Surr)		95		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-3 @ 12 FT

Lab Sample ID: 720-17056-19

Client Matrix: Solid

Date Sampled: 11/20/2008 1430

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44659

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44655

Lab File ID: 120408016.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Date Analyzed: 12/04/2008 1814

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 1500

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Tetrachloroethene		ND		5.0
Trichloroethene		ND		5.0
Vinyl chloride		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		66		52 - 128
1,2-Dichloroethane-d4 (Surr)		101		67 - 110
Toluene-d8 (Surr)		105		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-4 @ 24 FT

Lab Sample ID: 720-17056-28

Client Matrix: Solid

Date Sampled: 11/21/2008 1109

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44659

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44655

Lab File ID: 120408019.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Date Analyzed: 12/04/2008 1929

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 1500

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Tetrachloroethene		ND		5.0
Trichloroethene		ND		5.0
Vinyl chloride		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		91		52 - 128
1,2-Dichloroethane-d4 (Surr)		97		67 - 110
Toluene-d8 (Surr)		94		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB2-2 @ 6 FT

Lab Sample ID: 720-17056-34

Client Matrix: Solid

Date Sampled: 11/20/2008 1400

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44659

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44655

Lab File ID: 120408017.D

Dilution: 1.0

Initial Weight/Volume: 5.08 g

Date Analyzed: 12/04/2008 1839

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 1500

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Tetrachloroethene		ND		4.9
Trichloroethene		ND		4.9
Vinyl chloride		ND		4.9
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		75		52 - 128
1,2-Dichloroethane-d4 (Surr)		99		67 - 110
Toluene-d8 (Surr)		93		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-1 @ 6 FT

Lab Sample ID: 720-17056-37

Client Matrix: Solid

Date Sampled: 11/21/2008 1352

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44659

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44655

Lab File ID: 120408020.D

Dilution: 1.0

Initial Weight/Volume: 5.09 g

Date Analyzed: 12/04/2008 1954

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 1500

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Tetrachloroethene		ND		4.9
Trichloroethene		ND		4.9
Vinyl chloride		ND		4.9
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		82		52 - 128
1,2-Dichloroethane-d4 (Surr)		97		67 - 110
Toluene-d8 (Surr)		86		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-2 @ 6 FT

Lab Sample ID: 720-17056-44

Client Matrix: Solid

Date Sampled: 11/21/2008 1208

Date Received: 11/24/2008 1151

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-44659

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-44655

Lab File ID: 120408021.D

Dilution: 1.0

Initial Weight/Volume: 5.02 g

Date Analyzed: 12/04/2008 2019

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 1500

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Tetrachloroethene		ND		5.0
Trichloroethene		ND		5.0
Vinyl chloride		ND		5.0
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		87		52 - 128
1,2-Dichloroethane-d4 (Surr)		97		67 - 110
Toluene-d8 (Surr)		91		58 - 109

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-1 @ 10 FT

Lab Sample ID: 720-17056-8

Date Sampled: 11/21/2008 0905

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44685

Instrument ID: Varian 3900E

Preparation: 5030B

Prep Batch: 720-44684

Lab File ID: e:\data\200812\120508\sa-s

Dilution: 1.0

Initial Weight/Volume: 1.07 g

Date Analyzed: 12/05/2008 1439

Final Weight/Volume: 10 mL

Date Prepared: 12/05/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.023
Gasoline Range Organics (GRO)-C5-C12		3.1		1.2
Toluene		ND		0.023
Xylenes, Total		ND		0.047
Ethylbenzene		ND		0.023
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		86		74 - 118
1,2-Dichloroethane-d4 (Surr)		101		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-1 @ 12 FT

Lab Sample ID: 720-17056-9

Date Sampled: 11/21/2008 0901

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44737

Instrument ID: Saturn 2100

Preparation: 5030B-Medium

Prep Batch: 720-44738

Lab File ID: d:\data\200812\120508\sa-s

Dilution: 500

Initial Weight/Volume: 5.12 g

Date Analyzed: 12/05/2008 1830

Final Weight/Volume: 10 mL

Date Prepared: 12/05/2008 1300

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		2.4
Gasoline Range Organics (GRO)-C5-C12		850		120
Toluene		ND		2.4
o-Xylene		ND		2.4
Ethylbenzene		ND		2.4
Xylenes, Total		ND		4.9
m-Xylene & p-Xylene		ND		2.4
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		91		70 - 130
1,2-Dichloroethane-d4 (Surr)		107		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-3 @ 10 FT

Lab Sample ID: 720-17056-18

Client Matrix: Solid

Date Sampled: 11/20/2008 1434

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44700

Instrument ID: Varian 3900A

Preparation: 5030B

Prep Batch: 720-44703

Lab File ID: e:\data\2008\200812\12040

Dilution: 1.0

Initial Weight/Volume: 5.40 g

Date Analyzed: 12/04/2008 1608

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		7.3		0.23
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		92		74 - 118
1,2-Dichloroethane-d4 (Surr)		92		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-3 @ 12 FT

Lab Sample ID: 720-17056-19

Date Sampled: 11/20/2008 1430

Client Matrix: Solid

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44647

Instrument ID: Varian 3900A

Preparation: 5030B-Medium

Prep Batch: 720-44649

Lab File ID: e:\data\2008\200812\12040

Dilution: 200

Initial Weight/Volume: 5.13 g

Date Analyzed: 12/04/2008 1801

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.97
Gasoline Range Organics (GRO)-C5-C12		300		49
Toluene		ND		0.97
o-Xylene		ND		0.97
Ethylbenzene		ND		0.97
Xylenes, Total		ND		1.9
m-Xylene & p-Xylene		ND		0.97
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		99		70 - 130
1,2-Dichloroethane-d4 (Surr)		110		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-4 @ 24 FT

Lab Sample ID: 720-17056-28

Client Matrix: Solid

Date Sampled: 11/21/2008 1109

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44685

Instrument ID: Varian 3900E

Preparation: 5030B

Prep Batch: 720-44684

Lab File ID: e:\data\200812\120508\sa-s

Dilution: 1.0

Initial Weight/Volume: 5.28 g

Date Analyzed: 12/05/2008 1416

Final Weight/Volume: 10 mL

Date Prepared: 12/05/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
m-Xylene & p-Xylene		ND		0.0047
o-Xylene		ND		0.0047
Toluene		ND		0.0047
Xylenes, Total		ND		0.0095
Ethylbenzene		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		87		74 - 118
1,2-Dichloroethane-d4 (Surr)		105		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB2-2 @ 6 FT

Lab Sample ID: 720-17056-34

Client Matrix: Solid

Date Sampled: 11/20/2008 1400

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44647

Instrument ID: Varian 3900A

Preparation: 5030B-Medium

Prep Batch: 720-44649

Lab File ID: e:\data\2008\200812\12040

Dilution: 200

Initial Weight/Volume: 5.20 g

Date Analyzed: 12/04/2008 1824

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.96
Gasoline Range Organics (GRO)-C5-C12		250		48
Toluene		ND		0.96
o-Xylene		ND		0.96
Ethylbenzene		ND		0.96
Xylenes, Total		ND		1.9
m-Xylene & p-Xylene		ND		0.96
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		113		70 - 130
1,2-Dichloroethane-d4 (Surr)		113		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB2-2 @ 8 FT

Lab Sample ID: 720-17056-35

Client Matrix: Solid

Date Sampled: 11/20/2008 1424

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44647

Instrument ID: Varian 3900A

Preparation: 5030B-Medium

Prep Batch: 720-44649

Lab File ID: e:\data\2008\200812\12040

Dilution: 500

Initial Weight/Volume: 5.08 g

Date Analyzed: 12/04/2008 1931

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		2.5
Gasoline Range Organics (GRO)-C5-C12		3900		120
Toluene		ND		2.5
o-Xylene		ND		2.5
Ethylbenzene		ND		2.5
Xylenes, Total		ND		4.9
m-Xylene & p-Xylene		ND		2.5
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		114		70 - 130
1,2-Dichloroethane-d4 (Surr)		111		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-1 @ 6 FT

Lab Sample ID: 720-17056-37

Client Matrix: Solid

Date Sampled: 11/21/2008 1352

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44700

Instrument ID: Varian 3900A

Preparation: 5030B

Prep Batch: 720-44703

Lab File ID: e:\data\2008\200812\12040

Dilution: 1.0

Initial Weight/Volume: 5.02 g

Date Analyzed: 12/04/2008 1653

Final Weight/Volume: 10 mL

Date Prepared: 12/04/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0050
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
m-Xylene & p-Xylene		ND		0.0050
o-Xylene		ND		0.0050
Toluene		ND		0.0050
Xylenes, Total		ND		0.010
Ethylbenzene		ND		0.0050
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		87		74 - 118
1,2-Dichloroethane-d4 (Surr)		100		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-1 @ 8 FT

Lab Sample ID: 720-17056-38

Client Matrix: Solid

Date Sampled: 11/21/2008 1350

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44737

Instrument ID: Saturn 2100

Preparation: 5030B-Medium

Prep Batch: 720-44738

Lab File ID: d:\data\200812\120508\sa-s

Dilution: 400

Initial Weight/Volume: 5.14 g

Date Analyzed: 12/05/2008 1803

Final Weight/Volume: 10 mL

Date Prepared: 12/05/2008 1300

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		1.9
Gasoline Range Organics (GRO)-C5-C12		220		97
Toluene		ND		1.9
o-Xylene		ND		1.9
Ethylbenzene		ND		1.9
Xylenes, Total		ND		3.9
m-Xylene & p-Xylene		ND		1.9
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		92		70 - 130
1,2-Dichloroethane-d4 (Surr)		107		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-2 @ 6 FT

Lab Sample ID: 720-17056-44

Client Matrix: Solid

Date Sampled: 11/21/2008 1208

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44685

Instrument ID: Varian 3900E

Preparation: 5030B

Prep Batch: 720-44684

Lab File ID: e:\data\200812\120508\sa-s

Dilution: 1.0

Initial Weight/Volume: 5.05 g

Date Analyzed: 12/05/2008 1353

Final Weight/Volume: 10 mL

Date Prepared: 12/05/2008 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0050
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
m-Xylene & p-Xylene		ND		0.0050
o-Xylene		ND		0.0050
Toluene		ND		0.0050
Xylenes, Total		ND		0.0099
Ethylbenzene		ND		0.0050
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		85		74 - 118
1,2-Dichloroethane-d4 (Surr)		101		54 - 134

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-2 @ 12 FT

Lab Sample ID: 720-17056-45

Client Matrix: Solid

Date Sampled: 11/21/2008 1218

Date Received: 11/24/2008 1151

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS

Analysis Batch: 720-44737

Instrument ID: Saturn 2100

Preparation: 5030B-Medium

Prep Batch: 720-44738

Lab File ID: d:\data\200812\120508\sa-s

Dilution: 1000

Initial Weight/Volume: 5.14 g

Date Analyzed: 12/05/2008 1857

Final Weight/Volume: 10 mL

Date Prepared: 12/05/2008 1300

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		4.9
Gasoline Range Organics (GRO)-C5-C12		2100		240
Toluene		ND		4.9
o-Xylene		ND		4.9
Ethylbenzene		ND		4.9
Xylenes, Total		ND		9.7
m-Xylene & p-Xylene		ND		4.9
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		101		70 - 130
1,2-Dichloroethane-d4 (Surr)		112		70 - 130

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-1 @ 10 FT

Lab Sample ID: 720-17056-8

Client Matrix: Solid

Date Sampled: 11/21/2008 0905

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.10 g

Date Analyzed: 12/09/2008 1334

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		3.3		1.0
Kerosene Range Organics (C9-C19)		6.0		1.0
Stoddard Solvent Range Organics (C9-C13)		4.5		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		90		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-1 @ 12 FT

Lab Sample ID: 720-17056-9

Date Sampled: 11/21/2008 0901

Client Matrix: Solid

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 5.0

Initial Weight/Volume: 30.26 g

Date Analyzed: 12/08/2008 1738

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		260		5.0
Kerosene Range Organics (C9-C19)		340		5.0
Stoddard Solvent Range Organics (C9-C13)		340		5.0
Surrogate	%Rec			Acceptance Limits
p-Terphenyl	0	D		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-3 @ 10 FT

Lab Sample ID: 720-17056-18

Client Matrix: Solid

Date Sampled: 11/20/2008 1434

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.12 g

Date Analyzed: 12/09/2008 1401

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		12	H	1.0
Kerosene Range Organics (C9-C19)		22	H	1.0
Stoddard Solvent Range Organics (C9-C13)		21	H	1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		90		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-3 @ 12 FT

Lab Sample ID: 720-17056-19

Client Matrix: Solid

Date Sampled: 11/20/2008 1430

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.01 g

Date Analyzed: 12/09/2008 1427

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		35	H	1.0
Kerosene Range Organics (C9-C19)		53	H	1.0
Stoddard Solvent Range Organics (C9-C13)		58	H	1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		88		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB1-4 @ 24 FT

Lab Sample ID: 720-17056-28

Client Matrix: Solid

Date Sampled: 11/21/2008 1109

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.02 g

Date Analyzed: 12/09/2008 1454

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Kerosene Range Organics (C9-C19)		3.7		1.0
Stoddard Solvent Range Organics (C9-C13)		1.8		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		81		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB2-2 @ 6 FT

Lab Sample ID: 720-17056-34

Client Matrix: Solid

Date Sampled: 11/20/2008 1400

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.21 g

Date Analyzed: 12/09/2008 1521

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		15	H	0.99
Kerosene Range Organics (C9-C19)		27	H	0.99
Stoddard Solvent Range Organics (C9-C13)		28	H	0.99
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		89		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB2-2 @ 8 FT

Lab Sample ID: 720-17056-35

Client Matrix: Solid

Date Sampled: 11/20/2008 1424

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 10

Initial Weight/Volume: 30.27 g

Date Analyzed: 12/08/2008 1805

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		630	H	9.9
Kerosene Range Organics (C9-C19)		950	H	9.9
Stoddard Solvent Range Organics (C9-C13)		950	H	9.9
Surrogate	%Rec			Acceptance Limits
p-Terphenyl	0		D	40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-1 @ 6 FT

Lab Sample ID: 720-17056-37

Client Matrix: Solid

Date Sampled: 11/21/2008 1352

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 12/08/2008 1859

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.5		1.0
Kerosene Range Organics (C9-C19)		1.4		1.0
Stoddard Solvent Range Organics (C9-C13)		1.1		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		83		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-1 @ 8 FT

Lab Sample ID: 720-17056-38

Client Matrix: Solid

Date Sampled: 11/21/2008 1350

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.46 g

Date Analyzed: 12/09/2008 1548

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.4		0.98
Kerosene Range Organics (C9-C19)		7.4		0.98
Stoddard Solvent Range Organics (C9-C13)		4.0		0.98
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		95		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-2 @ 6 FT

Lab Sample ID: 720-17056-44

Client Matrix: Solid

Date Sampled: 11/21/2008 1208

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.10 g

Date Analyzed: 12/09/2008 1642

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		31		1.0
Kerosene Range Organics (C9-C19)		5.0		1.0
Stoddard Solvent Range Organics (C9-C13)		2.5		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		92		40 - 119

Analytical Data

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Client Sample ID: TB3-2 @ 12 FT

Lab Sample ID: 720-17056-45

Client Matrix: Solid

Date Sampled: 11/21/2008 1218

Date Received: 11/24/2008 1151

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B

Analysis Batch: 720-44778

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-44671

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 12/09/2008 1616

Final Weight/Volume: 5 mL

Date Prepared: 12/05/2008 0859

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		12		1.0
Kerosene Range Organics (C9-C19)		17		1.0
Stoddard Solvent Range Organics (C9-C13)		15		1.0
Surrogate		%Rec		Acceptance Limits
p-Terphenyl		89		40 - 119

DATA REPORTING QUALIFIERS

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Lab Section	Qualifier	Description
GC/MS VOA	X	Surrogate exceeds the control limits
GC Semi VOA	H	Sample was prepped or analyzed beyond the specified holding time
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-44647					
LCS 720-44649/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44649
LCSD 720-44649/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44649
MB 720-44649/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44649
720-17056-19	TB1-3 @ 12 FT	T	Solid	8260B/CA_LUFT	720-44649
720-17056-34	TB2-2 @ 6 FT	T	Solid	8260B/CA_LUFT	720-44649
720-17056-35	TB2-2 @ 8 FT	T	Solid	8260B/CA_LUFT	720-44649
Prep Batch: 720-44649					
LCS 720-44649/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44649/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44649/1-A	Method Blank	T	Solid	5030B	
720-17056-19	TB1-3 @ 12 FT	T	Solid	5030B	
720-17056-34	TB2-2 @ 6 FT	T	Solid	5030B	
720-17056-35	TB2-2 @ 8 FT	T	Solid	5030B	
Prep Batch: 720-44655					
LCS 720-44655/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44655/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44655/3-A	Method Blank	T	Solid	5030B	
720-17056-9	TB1-1 @ 12 FT	T	Solid	5030B	
720-17056-19	TB1-3 @ 12 FT	T	Solid	5030B	
720-17056-19MS	Matrix Spike	T	Solid	5030B	
720-17056-19MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-17056-28	TB1-4 @ 24 FT	T	Solid	5030B	
720-17056-34	TB2-2 @ 6 FT	T	Solid	5030B	
720-17056-37	TB3-1 @ 6 FT	T	Solid	5030B	
720-17056-44	TB3-2 @ 6 FT	T	Solid	5030B	
Analysis Batch:720-44659					
LCS 720-44655/1-A	Lab Control Spike	T	Solid	8260B	720-44655
LCSD 720-44655/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-44655
MB 720-44655/3-A	Method Blank	T	Solid	8260B	720-44655
720-17056-9	TB1-1 @ 12 FT	T	Solid	8260B	720-44655
720-17056-19	TB1-3 @ 12 FT	T	Solid	8260B	720-44655
720-17056-19MS	Matrix Spike	T	Solid	8260B	720-44655
720-17056-19MSD	Matrix Spike Duplicate	T	Solid	8260B	720-44655
720-17056-28	TB1-4 @ 24 FT	T	Solid	8260B	720-44655
720-17056-34	TB2-2 @ 6 FT	T	Solid	8260B	720-44655
720-17056-37	TB3-1 @ 6 FT	T	Solid	8260B	720-44655
720-17056-44	TB3-2 @ 6 FT	T	Solid	8260B	720-44655

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-44684					
LCS 720-44684/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44684/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44684/1-A	Method Blank	T	Solid	5030B	
720-17056-8	TB1-1 @ 10 FT	T	Solid	5030B	
720-17056-28	TB1-4 @ 24 FT	T	Solid	5030B	
720-17056-44	TB3-2 @ 6 FT	T	Solid	5030B	
Analysis Batch:720-44685					
LCS 720-44684/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44684
LCSD 720-44684/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44684
MB 720-44684/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44684
720-17056-8	TB1-1 @ 10 FT	T	Solid	8260B/CA_LUFT	720-44684
720-17056-28	TB1-4 @ 24 FT	T	Solid	8260B/CA_LUFT	720-44684
720-17056-44	TB3-2 @ 6 FT	T	Solid	8260B/CA_LUFT	720-44684
Analysis Batch:720-44700					
LCS 720-44703/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44703
LCSD 720-44703/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44703
MB 720-44703/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44703
720-17056-18	TB1-3 @ 10 FT	T	Solid	8260B/CA_LUFT	720-44703
720-17056-37	TB3-1 @ 6 FT	T	Solid	8260B/CA_LUFT	720-44703
720-17056-37MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-44703
720-17056-37MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44703
Prep Batch: 720-44703					
LCS 720-44703/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44703/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44703/1-A	Method Blank	T	Solid	5030B	
720-17056-18	TB1-3 @ 10 FT	T	Solid	5030B	
720-17056-37	TB3-1 @ 6 FT	T	Solid	5030B	
720-17056-37MS	Matrix Spike	T	Solid	5030B	
720-17056-37MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:720-44737					
LCS 720-44738/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-44738
LCSD 720-44738/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-44738
MB 720-44738/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-44738
720-17056-9	TB1-1 @ 12 FT	T	Solid	8260B/CA_LUFT	720-44738
720-17056-38	TB3-1 @ 8 FT	T	Solid	8260B/CA_LUFT	720-44738
720-17056-45	TB3-2 @ 12 FT	T	Solid	8260B/CA_LUFT	720-44738

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-44738					
LCS 720-44738/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-44738/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-44738/1-A	Method Blank	T	Solid	5030B	
720-17056-9	TB1-1 @ 12 FT	T	Solid	5030B	
720-17056-38	TB3-1 @ 8 FT	T	Solid	5030B	
720-17056-45	TB3-2 @ 12 FT	T	Solid	5030B	

Report Basis

T = Total

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-44671					
LCS 720-44671/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-44671/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-44671/1-A	Method Blank	T	Solid	3550B	
720-17056-8	TB1-1 @ 10 FT	T	Solid	3550B	
720-17056-9	TB1-1 @ 12 FT	T	Solid	3550B	
720-17056-18	TB1-3 @ 10 FT	T	Solid	3550B	
720-17056-19	TB1-3 @ 12 FT	T	Solid	3550B	
720-17056-28	TB1-4 @ 24 FT	T	Solid	3550B	
720-17056-28MS	Matrix Spike	T	Solid	3550B	
720-17056-28MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-17056-34	TB2-2 @ 6 FT	T	Solid	3550B	
720-17056-35	TB2-2 @ 8 FT	T	Solid	3550B	
720-17056-37	TB3-1 @ 6 FT	T	Solid	3550B	
720-17056-38	TB3-1 @ 8 FT	T	Solid	3550B	
720-17056-44	TB3-2 @ 6 FT	T	Solid	3550B	
720-17056-45	TB3-2 @ 12 FT	T	Solid	3550B	
Analysis Batch:720-44778					
LCS 720-44671/2-A	Lab Control Spike	T	Solid	8015B	720-44671
LCSD 720-44671/3-A	Lab Control Spike Duplicate	T	Solid	8015B	720-44671
MB 720-44671/1-A	Method Blank	T	Solid	8015B	720-44671
720-17056-8	TB1-1 @ 10 FT	T	Solid	8015B	720-44671
720-17056-9	TB1-1 @ 12 FT	T	Solid	8015B	720-44671
720-17056-18	TB1-3 @ 10 FT	T	Solid	8015B	720-44671
720-17056-19	TB1-3 @ 12 FT	T	Solid	8015B	720-44671
720-17056-28	TB1-4 @ 24 FT	T	Solid	8015B	720-44671
720-17056-28MS	Matrix Spike	T	Solid	8015B	720-44671
720-17056-28MSD	Matrix Spike Duplicate	T	Solid	8015B	720-44671
720-17056-34	TB2-2 @ 6 FT	T	Solid	8015B	720-44671
720-17056-35	TB2-2 @ 8 FT	T	Solid	8015B	720-44671
720-17056-37	TB3-1 @ 6 FT	T	Solid	8015B	720-44671
720-17056-38	TB3-1 @ 8 FT	T	Solid	8015B	720-44671
720-17056-44	TB3-2 @ 6 FT	T	Solid	8015B	720-44671
720-17056-45	TB3-2 @ 12 FT	T	Solid	8015B	720-44671

Report Basis

T = Total

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Method Blank - Batch: 720-44655

Lab Sample ID: MB 720-44655/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1633
Date Prepared: 12/04/2008 1500

Analysis Batch: 720-44659
Prep Batch: 720-44655
Units: ug/Kg

Method: 8260B Preparation: 5030B

Instrument ID: Agilent 75MSD
Lab File ID: 120408012.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Chlorobenzene	ND		5.0
1,1-Dichloroethene	ND		5.0
Tetrachloroethene	ND		5.0
Trichloroethene	ND		5.0
Vinyl chloride	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	97	52 - 128	
1,2-Dichloroethane-d4 (Surr)	107	67 - 110	
Toluene-d8 (Surr)	99	58 - 109	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44655**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44655/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1543
Date Prepared: 12/04/2008 1500

Analysis Batch: 720-44659
Prep Batch: 720-44655
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 120408010.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44655/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1608
Date Prepared: 12/04/2008 1500

Analysis Batch: 720-44659
Prep Batch: 720-44655
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 120408011.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	93	92	80 - 109	1	20		
Chlorobenzene	94	93	81 - 114	1	20		
1,1-Dichloroethene	91	90	66 - 131	1	20		
Trichloroethene	95	93	75 - 114	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	92		90		52 - 128		
1,2-Dichloroethane-d4 (Surr)	105		97		67 - 110		
Toluene-d8 (Surr)	96		91		58 - 109		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-44655**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-17056-19
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 2044
Date Prepared: 12/04/2008 1500

Analysis Batch: 720-44659
Prep Batch: 720-44655

Instrument ID: Agilent 75MSD
Lab File ID: 120408022.D
Initial Weight/Volume: 5.08 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17056-19
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 2109
Date Prepared: 12/04/2008 1500

Analysis Batch: 720-44659
Prep Batch: 720-44655

Instrument ID: Agilent 75MSD
Lab File ID: 120408023.D
Initial Weight/Volume: 5.05 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	84	91	73 - 116	8	20		
Chlorobenzene	82	89	70 - 118	9	20		
1,1-Dichloroethene	82	86	68 - 138	5	20		
Trichloroethene	83	89	60 - 126	7	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	62		151	X	52 - 128		
1,2-Dichloroethane-d4 (Surr)	96		96		67 - 110		
Toluene-d8 (Surr)	92		97		58 - 109		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Method Blank - Batch: 720-44649

Lab Sample ID: MB 720-44649/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/04/2008 1220
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44647
Prep Batch: 720-44649
Units: mg/Kg

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\1
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Toluene	ND		1.0
o-Xylene	ND		1.0
Ethylbenzene	ND		1.0
Xylenes, Total	ND		2.0
m-Xylene & p-Xylene	ND		1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	112	70 - 130
1,2-Dichloroethane-d4 (Surr)	116	70 - 130

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44649**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44649/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/04/2008 1242
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44647
Prep Batch: 720-44649
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\ld-
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44649/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/04/2008 1413
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44647
Prep Batch: 720-44649
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\ld-
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	119	105	74 - 121	13	20		
Toluene	113	99	86 - 121	13	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	120		124		70 - 130		
1,2-Dichloroethane-d4 (Surr)	129		125		70 - 130		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Method Blank - Batch: 720-44684

Lab Sample ID: MB 720-44684/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/05/2008 1031
Date Prepared: 12/05/2008 0800

Analysis Batch: 720-44685
Prep Batch: 720-44684
Units: mg/Kg

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120508\mb-so
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
Toluene	ND		0.0050
MTBE	ND		0.0050
o-Xylene	ND		0.0050
Ethylbenzene	ND		0.0050
Xylenes, Total	ND		0.010
m-Xylene & p-Xylene	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	90	74 - 118	
1,2-Dichloroethane-d4 (Surr)	110	54 - 134	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44684**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44684/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/05/2008 1101
Date Prepared: 12/05/2008 0800

Analysis Batch: 720-44685
Prep Batch: 720-44684
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120508\ls-so-
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44684/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/05/2008 1124
Date Prepared: 12/05/2008 0800

Analysis Batch: 720-44685
Prep Batch: 720-44684
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: e:\data\200812\120508\ld-so-8-
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	78	82	66 - 128	4	20		
Gasoline Range Organics (GRO)-C5-C12	64	63	43 - 95	2	20		
Toluene	79	81	76 - 128	3	20		
MTBE	95	90	59 - 145	6	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	86		89		74 - 118		
1,2-Dichloroethane-d4 (Surr)	103		102		54 - 134		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Method Blank - Batch: 720-44703

Lab Sample ID: MB 720-44703/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1102
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44700
Prep Batch: 720-44703
Units: mg/Kg

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\1
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
Toluene	ND		0.0050
MTBE	ND		0.0050
o-Xylene	ND		0.0050
Ethylbenzene	ND		0.0050
Xylenes, Total	ND		0.010
m-Xylene & p-Xylene	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	94	74 - 118	
1,2-Dichloroethane-d4 (Surr)	98	54 - 134	

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44703**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44703/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1134
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44700
Prep Batch: 720-44703
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\ld
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44703/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1157
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44700
Prep Batch: 720-44703
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\ld
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	109	105	66 - 128	4	20		
Gasoline Range Organics (GRO)-C5-C12	85	86	43 - 95	1	20		
Toluene	105	102	76 - 128	3	20		
MTBE	119	105	59 - 145	13	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	94		92		74 - 118		
1,2-Dichloroethane-d4 (Surr)	112		107		54 - 134		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-44703**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-17056-37
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1716
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44700
Prep Batch: 720-44703

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\1
Initial Weight/Volume: 5.46 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17056-37
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/04/2008 1738
Date Prepared: 12/04/2008 0800

Analysis Batch: 720-44700
Prep Batch: 720-44703

Instrument ID: Varian 3900A
Lab File ID: e:\data\2008\200812\120408\1
Initial Weight/Volume: 5.47 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	97	97	55 - 140	1	20		
Gasoline Range Organics (GRO)-C5-C12	47	45	43 - 95	4	20		
Toluene	87	87	61 - 138	1	20		
MTBE	102	99	49 - 161	3	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Toluene-d8 (Surr)	86		89	74 - 118			
1,2-Dichloroethane-d4 (Surr)	102		99	54 - 134			

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Method Blank - Batch: 720-44738

Lab Sample ID: MB 720-44738/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/05/2008 1643
Date Prepared: 12/05/2008 1300

Analysis Batch: 720-44737
Prep Batch: 720-44738
Units: mg/Kg

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120508\mb-so
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Toluene	ND		1.0
o-Xylene	ND		1.0
Ethylbenzene	ND		1.0
Xylenes, Total	ND		2.0
m-Xylene & p-Xylene	ND		1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	88	70 - 130
1,2-Dichloroethane-d4 (Surr)	101	70 - 130

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-44738**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-44738/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/05/2008 1710
Date Prepared: 12/05/2008 1300

Analysis Batch: 720-44737
Prep Batch: 720-44738
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120508\ls-so-8-
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-44738/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 12/05/2008 1736
Date Prepared: 12/05/2008 1300

Analysis Batch: 720-44737
Prep Batch: 720-44738
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200812\120508\ld-so-8-
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	89	89	74 - 121	0	20		
Toluene	94	95	86 - 121	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	98		92		70 - 130		
1,2-Dichloroethane-d4 (Surr)	105		107		70 - 130		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Method Blank - Batch: 720-44671

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-44671/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2008 1119
Date Prepared: 12/05/2008 0859

Analysis Batch: 720-44778
Prep Batch: 720-44671
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Kerosene Range Organics (C9-C19)	ND		1.0
Stoddard Solvent Range Organics (C9-C13)	ND		1.0
Surrogate	% Rec	Acceptance Limits	
p-Terphenyl	99	40 - 119	

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 720-44671

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-44671/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2008 1025
Date Prepared: 12/05/2008 0859

Analysis Batch: 720-44778
Prep Batch: 720-44671
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-44671/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2008 1052
Date Prepared: 12/05/2008 0859

Analysis Batch: 720-44778
Prep Batch: 720-44671
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	88	78	50 - 130	12	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	96		86		40 - 119		

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

Quality Control Results

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-44671

Method: 8015B

Preparation: 3550B

MS Lab Sample ID: 720-17056-28
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2008 1710
Date Prepared: 12/05/2008 0859

Analysis Batch: 720-44778
Prep Batch: 720-44671

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.28 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 720-17056-28
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2008 1737
Date Prepared: 12/05/2008 0859

Analysis Batch: 720-44778
Prep Batch: 720-44671

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	62	78	50 - 130	23	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
p-Terphenyl	76		80	40 - 119			

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

Sidhu, Surinder

From: Elena Manzo [emanzo@somaenv.com]
Sent: Thursday, December 04, 2008 11:52 AM
To: Sidhu, Surinder
Subject: FW: Re: Hold Samples run for 316 38th Street
Importance: High

720-17056.2

Dear Surinder,

Please analyze the following hold samples: (as per our conversation \$55 for just TVHs, \$90 wo PCE... and \$125 with PCE... per sample)-standard turn 5 days if possible

- 8. TB1-1@10' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX
- 29. TB1-1@12' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX+PCE, TCE and vinyl chloride
- 18. TB1-3@10' TPH-g, TPH-d, Kerosene, Stoddard Solvent,
- 19. TB1-3@12' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX+PCE, TCE and vinyl chloride
- 34. TB2-2@6' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX+PCE, TCE and vinyl chloride
- 35. TB2-2@8' TPH-g, TPH-d, Kerosene, Stoddard Solvent,
- 37. TB3-1@6' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX+PCE, TCE and vinyl chloride
- 38. TB3-1@8' TPH-g, TPH-d, Kerosene, Stoddard Solvent,
- 44. TB3-2@6' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX+PCE, TCE and vinyl chloride
- 45. TB3-2@12' TPH-g, TPH-d, Kerosene, Stoddard Solvent,
- 28. TB1-4@24' TPH-g, TPH-d, Kerosene, Stoddard Solvent, BTEX+PCE, TCE and vinyl chloride

Thank you

Elena K. Manzo*Senior Project Scientist**SOMA Environmental Engineering*

Phone:(925)734-6400

Fax:(925)734-6401

Elena K. Manzo*Senior Project Scientist*

Login Sample Receipt Check List

Client: Soma Environmental Engineering

Job Number: 720-17056-2

Login Number: 17056

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

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