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October 18, 2010

Mr. Jerry Wickham, PG
Alameda County
Department of Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Fuel Leak Case#RO0002996**
Site Address: 316 38th Street, Oakland, CA

Dear Mr. Wickham:

SOMA's "Additional Soil and Groundwater Investigation" for the subject property has been uploaded to the State's GeoTracker database and Alameda County's FTP site for your review.

Thank you for your time in reviewing our report. If you have any questions or comments, please call me at (925) 734-6400.

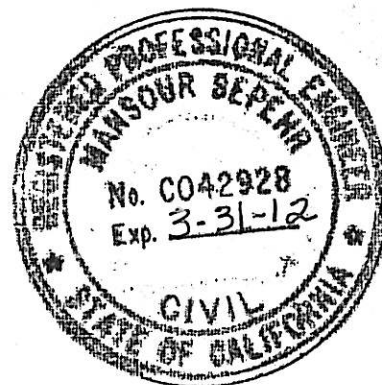
Sincerely,

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

Mansour Sepenr, Ph.D., PE
Principal Hydrogeologist

Enclosure

cc: Mr. Peter McGaw, Esq.



Additional Soil and Groundwater Investigation

**316 38th Street
Oakland, California
Case RO0002996**

October 18, 2010

Project 2722

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




ENVIRONMENTAL ENGINEERING, INC.

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PERJURY STATEMENT

Site Location: 316 38th Street, Oakland, California

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



Earl Thompson, Jr.
75 Court Street
Quincy, CA 95971-9444
Owner

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, in accordance with SOMA's workplan dated March 3, 2010 and Alameda County Environmental Health Services approval letter dated April 12, 2010.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist

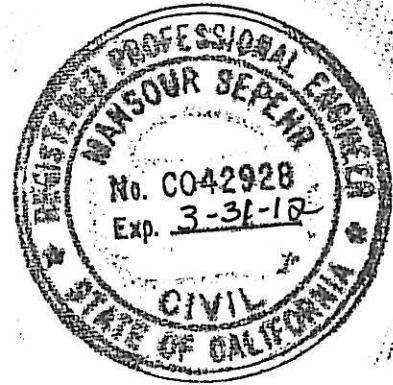


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1. INTRODUCTION

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 (Thompson Property). The site is located in an area of primarily commercial and residential property uses (Figure 1). Figure 2 shows locations of decommissioned underground storage tanks (USTs), historical and new boreholes, and wells in the vicinity.

This report summarizes results of further investigation to delineate the extent of apparent contamination observed during tank decommissioning and follow-up soil and groundwater investigation. This report was prepared in accordance with SOMA's workplan dated March 3, 2010 and Alameda County Environmental Health Services (ACEHS) approval letter dated April 12, 2010.

1.1 Site Vicinity

Properties in the vicinity of the Thompson Property are primarily commercial and residential. Reportedly, six USTs were previously located at or near the nearby Glovatorium site located upgradient from the subject site at 3820 Manila Avenue (Glovatorium Property). The location of the Glovatorium Property is shown on Figures 1 and 2. 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 the six Glovatorium USTs have been reported as ranging from 800 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 USTs. USTs inside the building were interconnected through a series of pipes and valves. It was reported that in about the late 1970s a significant release of TPH-ss occurred when a new piping system was installed. 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 Property are currently monitored semi-annually. Past groundwater monitoring events have indicated the presence of volatile organic compounds (VOCs) and petroleum hydrocarbons (PHCs) in groundwater beneath the Glovatorium and adjacent properties.

Surrounding properties are primarily commercial and residential. TOSCO Marketing Company is located north and upgradient of the site, at 40th Street and Broadway, and contains a number of groundwater monitoring wells.

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 (Temescal Formation), which typically consists of lenses of clayey gravel, sandy silty clay, and sand-clay-silt mixtures. 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.

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. Beneath the clay zone is a coarse-grained zone (ranges from approximately 15 to 25 feet bgs), which extends throughout most of the site. This coarse grained zone is most likely the main water-bearing and contaminant transport zone.

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 ranging between 0.019 ft/ft and 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.

Based on confirmation soil borings advanced during USTs closure, the site is underlaid with unconfined sediments as follows: primarily 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. During tank decommissioning, 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.

2. SCOPE OF WORK

Based on results of the most recent site investigation, and on ACEHS approval, SOMA advanced 10 soil borings to delineate horizontal extent of contaminant plume upgradient and downgradient of decommissioned USTs, located beneath the sidewalk adjacent to the subject site, and sampled existing groundwater monitoring wells in the vicinity of former the USTs.

Task 1: Permit acquisition, Health and Safety Plan preparation, and subsurface utility clearance

- Task 2: Sampling of groundwater monitoring wells
- Task 3: Advancement of direct push (DP) soil borings
- Task 4: Report preparation

Following are descriptions of these tasks.

3. FIELD ACTIVITIES

3.1 Pre-Investigation Activities

Prior to proposed drilling activities, SOMA obtained excavation and obstruction permits from the City of Oakland, Office of Planning and Building (X1001003, OB100431, Appendix A). Based on communication with and approval from the City of Oakland, the above permits were obtained without the need for an encroachment permit. A traffic control plan was prepared and submitted along with permit application (Appendix A). SOMA retained Traffic Management Inc. to implement the approved traffic control plan during drilling and surface restoration activities commencing on August 9 through August 11, 2010.

Before initiating drilling activities, SOMA obtained a drilling permit from Alameda County Public Works Agency (ACPWA) (No. W2010-0566, Appendix A). Notifications of drilling start date and inspections scheduling were emailed to all appropriate regulatory agencies as required. SOMA scheduled and held all appropriate inspections pertaining to drilling at the site with the City of Oakland and ACPWA

SOMA prepared a site-specific Health and Safety Plan (HASP). The HASP was prepared according to 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 was designed to address safety provisions during field activities and protect the field crew from physical and chemical hazards resulting from drilling and sampling. The HASP established 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.

SOMA contacted Underground Service Alert (USA #225486) to ensure that drilling areas are clear of underground utilities. Following USA clearance, SOMA retained a private utility locator (Cruz Brothers Locators) to survey proposed drilling areas on July 27, 2010 and locate any additional subsurface conduits. Marked utility lines are shown in Figure 2.

On July 27, 2010, SOMA evaluated the 54-inch storm drain, by opening manhole MH-2 and surveying the depth to the storm lateral inlets. The water was observed to flow freely on the bottom of the open storm drain (2 to 3 inches of water) in the general groundwater flow direction (southwesterly). Data from this survey was utilized in the field when positioning proposed soil borings.

3.2 Sampling of Groundwater Monitoring Wells

As part of the soil and groundwater investigation, SOMA conducted groundwater monitoring of wells LFR-4, GW-5, and GW-6A, on August 4 and 5, 2010, prior to initiating soil and groundwater investigation at the site. This section summarizes results of this monitoring and includes laboratory results for groundwater samples.

3.2.1 Field Observations

Depth to groundwater in GW-5 was observed at 12.33 feet (without sufficient water for purging or sampling of kerosene or TPH as diesel [TPH-d]) and in LFR-4 at 16.89 feet. GW-6A was completely dry. In the vicinity of the site, the groundwater flow is predominantly southwest; however, because GW-6A was dry, a triangulation to determine flow gradient could not be conducted.

Field notes for physical, chemical and biodegradation parameters measured during this monitoring event are included in Appendix A. Water in GW-5 and GW-6A was insufficient for evaluating biodegradation parameters. Due to insufficient groundwater, only a grab groundwater sample was collected from GW-5, and no sample was collected from GW-6A.

Upon equalization of the surrounding aquifer, when the purge cycle was terminated in LFR-4, DO concentrations stabilized at 0.38 mg/L. A DO concentration lower than 0.5 mg/L indicates anaerobic conditions. Oxidation-reduction potential (ORP) showed negative redox potential of -15.9 mV. ORP may range from greater than 800 mV to less than -400 mV, with lower values expected in areas where anaerobic processes are occurring. Oxidation of petroleum hydrocarbons in anaerobic conditions could be occurring in the subsurface due to a detection of a negative redox potential indicating that contaminants in groundwater are conducive to anaerobic biodegradation.

Ferrous iron and dissolved manganese were detected at 3.17 mg/L and 5.3 mg/L, respectively, and nitrate, nitrite and sulfate were not detected above the minimum equipment tolerance level. After DO has been depleted, nitrate may be used as an electron acceptor for anaerobic biodegradation.

3.2.2 Analytical Results

Tables 3 and 4 present laboratory analysis results for groundwater samples collected during monitoring of these three wells, and Appendix B contains chain of custody documentation and laboratory analytical reports.

Maximum TPH as gasoline (TPH-g) and TPH-ss were detected in LFR-4 at 420 µg/L, 270 µg/L, respectively. These contaminants of concern (COCs) were not detected above laboratory-reporting limits in GW-5 (groundwater was insufficient for kerosene and TPH-d analysis).

It should be noted, that many of TPH-g and TPH-ss detections were flagged by the analytical laboratory with “Y” qualifier, identifying samples that exhibited chromatographic patterns that did not resemble laboratory standard. It should be also noted that due to the fact that TPH-ss, kerosene and TPH-g have common carbon ranges, some overlap of detected concentrations of above PHC could have occurred.

Figure 10 displays map of cumulative TPH-g, TPH-d, and TPH-ss concentrations in groundwater (inclusive of concentrations detected during current and historical soil and groundwater investigation).

3.3 Direct Push Borings, Collection of Soil and Groundwater Samples

3.3.1 Direct Push Borings

The purpose of this subsurface assessment was to determine the lateral extent of elevated contaminant levels reported in soil and groundwater samples collected in the area of former USTs.

DP borings were advanced under SOMA’s oversight on August 9 and 10 by Fisch Drilling, a C-57 licensed driller, using DPT limited access rig. Eight borings (DP-1 through DP-8) were originally proposed adjacent to and downgradient from decommissioned USTs. As was stated in SOMA’s workplan, several proposed boring locations were in the area of anticipated utility lines. During a pre-drilling utility survey conducted at the site on July 27, 2010, the originally proposed drilling locations (DP-2, DP-7 and DP-8) were found to be over multiple utility lines, rendering them unsuitable. With concurrence from ACEHS, borings DP-7 and DP-8 were moved to the sidewalk area, and due to lack of other alternatives boring DP-2 was attempted in its proposed location. However, after multiple attempts a shallow obstruction was continuously encountered at DP-2 location, with concurrence from ACEHS, DP-2 boring advancement was abandoned (Figure 2). It should be noted that DP-2 boring was proposed adjacent to the 54-inch storm conduit to determine whether any contaminants are migrating via preferential flow path.

To determine whether contaminant migration is taking place via preferential pathways, results from boring DP-3 advanced adjacent to the storm drain, crossgradient from the site, and borings DP-7 and DP-8 advanced adjacent to the storm drain, downgradient from the site, were evaluated.

Boring DP-4 was advanced in close proximity to LFR-4 for evaluation of existing screening interval in relation to contaminant transport and geology of saturated sediments. Borings advanced adjacent to decommissioned USTs were utilized in determining the vertical extent of contamination; borings positioned downgradient from the source area were utilized in determining horizontal extent of contamination.

Due to obstructions discussed above at DP-2 boring location adjacent to the 54-inch storm conduit, a definitive conclusion regarding contaminant migration via preferential flow conduits could not be drawn. However, it should be noted that there was no indication of soil or groundwater contamination at boring DP-7, advanced adjacent to the storm drain in the downgradient area.

3.3.1.1 Soil Sampling

Direct Push (DP) 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 was 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. Encountered subsurface lithologies from all advanced borings were recorded on geologic borehole logs (Appendix A). At each interval of depth-discrete soil sampling, the DP drilling rig obtained a 4-foot soil core sample. The contents of each sediment-filled tube were screened using photoionization detector (PID) for volatile compounds, results were documented on geologic borehole logs. SOMA's workplan proposed that soil samples be collected at depths where PID readings or visual observations indicate significant soil contamination.

Each DP boring was proposed to be advanced to approximately 30 feet bgs since the deepest UST was installed to the total depth of 25 feet bgs. During advancement of borings DP-1 through DP-8, SOMA encountered refusal at 27 feet in boring DP-5, at 27 feet in boring DP-7, and at 27 feet in boring DP-8. The rest of the borings were advanced to the proposed depth of 30 feet bgs.

Each boring was hand augured to 5 feet bgs, to clear underground utilities, and continuously cored, evaluated for lithological characteristics and screened with PID. SOMA utilized PID readings and field observations of odor and staining to collect soil samples at appropriate depths. The maximum PID readings were

detected in boring DP-1, ranging between 1,139 ppm and 1,353 ppm, recorded at depths of 16 and 19 feet bgs.

During soil sampling, SOMA's field geologist selected and cut sections of the soil-filled tubes into 6-inch-long sections and capped ends of each sample with a Teflon liner and polyethylene end caps. Samples were labeled with unique sample identifiers corresponding to boring locations and immediately placed in a chilled ice chest, pending transport to a California state-certified environmental laboratory for analysis. Depths at which soil samples were collected and respective analytical results are documented in Tables 1 and 2.

3.3.1.2 Groundwater Sampling

A hypopunch-type groundwater profiler was used to collect groundwater samples. This sampler is designed for discrete groundwater sampling without cross-contaminating water-bearing zones (WBZs) at different depth intervals. The dual-walled sampler involves hydraulically driving or hammering a cased set of rods into the ground with the lead rod section consisting of a hollow acetate-lined sampler. After pushing the cased rods to the desired depth, the drilling rods were withdrawn from within the 1.25-inch-diameter outer casing to insert the screened sampler. A Watera sampler was used to collect groundwater samples from all advanced boreholes (regular and limited access); during sampling the low-flow sampling technique was utilized to minimize turbidity of groundwater samples and help ensure collection of groundwater samples that are representative of the subsurface conditions.

The Table below lists depths to water in advanced soil borings at the time of sampling:

Boring	Depth to water (feet bgs)
DP-1	18.4
DP-3	19
DP-4	19.8
DP-5	16.7
DP-6	20.5
DP-7	21.8
DP-8	15.2

During the November 2008 investigation, shallow groundwater was observed in borings TB2-1 at 7 feet bgs, TB2-2 at 7 feet bgs, TB3-1 at 8 feet bgs, and TB3-2 at 5 feet bgs. Therefore, only one groundwater sample per boring was collected and submitted for laboratory analysis. However, during this investigation, SOMA did not observe any shallow groundwater, likely due to the dry time of year at the time of sampling.

Each sample was decanted, minimizing volatilization, into an appropriate laboratory-supplied container. Samples for dissolved lead analysis were field filtered. Groundwater samples were labeled with unique sample identifiers corresponding to each boring location, and immediately placed in a chilled ice chest, pending transport to a California state-certified environmental laboratory for analysis.

3.3.2 Limited Access Direct Push Borings

Three limited access borings (LDP-1 through LDP-3) were advanced inside the subject site building on August 12, 2010, by Vironex, a C-57 licensed driller. Due to access limitations, these borings were advanced using Ram-Set hand portable equipment that utilizes DP technology.

Borings were advanced upgradient of decommissioned USTs and adjacent to the areas of former piping and existing floor drain (Figure 2). The Ram-Set utilized, a portable hydraulically powered direct push soil probe unit designed for extremely tight space conditions, requires only 5 feet of vertical clearance and has a footprint of only 2 square feet; its depth limitation in normally consolidated soil ranges between 25 and 80 feet bgs.

Each Limited Direct Push (LDP) boring was proposed to be advanced to approximately 25 feet bgs. SOMA encountered refusal at 21 feet during advancement of LDP-1, at 23 feet during advancement of LDP-2, and at 22 feet during advancement of LDP-3. In LDP-1 a hydropunch sampling tool was used to advance the boring beyond the area of refusal, to allow for groundwater collection. One groundwater sample was collected from each boring. In LDP-1 through LDP-3, depth to groundwater at time of sampling had stabilized at 19 feet bgs, 21 feet bgs, and 20 feet bgs, respectively. Similarly to outdoor sampling, SOMA did not observe any shallow groundwater, as observed during the November 2008 investigation, in TB2-1 at 7 feet bgs, TB2-2 at 7 feet bgs, TB3-1 at 8 feet bgs, and TB3-2 at 5 feet bgs during November 2008 investigation.

Each boring was hand augured to 5 feet bgs, to clear underground utilities, and continuously cored, evaluated for lithological characteristics and screened with PID. PID readings, collected samples, and encountered lithology was recorded on individual boring logs (Appendix A). SOMA utilized PID readings and field observations of odor and staining to collect soil samples at appropriate depths. Maximum PID readings were recorded in LDP-1 through LDP-3 at 1,342 ppm (15 feet bgs), 1,407 ppm (20 feet bgs), and 627 ppm (12 feet bgs), respectively. Soil samples were collected at 6, 12, 15, and 19 feet bgs in LDP-1; at 5, 13, 18, and 21 feet bgs in LDP-2; and at 8, 12, and 16 feet bgs in LDP-3. Samples were collected according to applicable protocol documented in the approved workplan, and as described in sections above. Depths at which soil samples were collected for analysis and respective analytical results are documented in Tables 1 and 2.

3.3.3 Boring Decommissioning and Waste Disposal

Following soil and groundwater sampling, all borings were abandoned in accordance with the drilling permit by sealing with a bentonite grout mixture. All drilling locations were completed at the surface with materials to match existing grade.

Soil and wastewater generated during boring activities was temporarily stored on-site in separate DOT-rated 55-gallon steel drums pending characterization, profiling and transport to an approved disposal/recycling facility. On August 24, SOMA oversaw removal of two 55-gallon drums by Advanced Chemical Transport, to be disposed of at an approved facility. Waste manifest is attached in Appendix C.

3.3.4 Ground Surface Restoration

On August 13, 2010, per approved excavation permits obtained from the City of Oakland, disturbed sidewalk and street areas at boring locations, were restored with concrete and hot patch asphalt. SOMA retained a licensed paving contractor, Jim's Quality Paving, to conduct the surface restoration.

Sidewalk squares of approximately 2.5 by 2.5 feet were placed with reinforced concrete at sidewalk drilling locations DP-2 and DP-7, and squares of approximately 1 by 1 foot were replaced with asphalt at DP-1, and DP-4 through DP-6, drilling locations. The original concrete/asphalt surface in above areas was removed and rubble disposed of off-site and replaced by a new surface, to match existing grade.

All grab groundwater and soil samples were submitted to a California state-certified environmental laboratory under appropriate chain-of-custody protocol for analysis of the following:

- TPH-g, TPH-d, and TPH-ss, EPA Method 8015, using silica gel cleanup method
- Kerosene, EPA Method 8015
- Benzene, toluene, ethylbenzene, total xylenes (collectively termed BTEX), EPA Method 8260
- VOCs such as perchloroethylene (PCE), trichloroethylene (TCE), vinyl chloride (VC), and naphthalene, and gasoline oxygenates such as methyl tertiary-butyl ether (MtBE) and tertiary-butyl alcohol (TBA), EPA Method 8260
- Lead, EPA Method 6010. Groundwater samples for lead analyses were filtered in the field during sample collection.

4. SITE GEOLOGY AND EXTENT OF CONTAMINATION

4.1 Site Geology Overview

Results from historical and recent soil and groundwater investigations were utilized to create geologic cross sections, reflecting site geology as well as vertical and horizontal extent of contamination. Locations of geologic cross-sections A-A', B-B', and C-C' are shown in Figure 3. Geologic cross-sections are shown in Figures 4 through 6.

These Figures show a lithologic sequence of sediments underlying the site consisting of dark brown sandy clay to silty clay/clay from the surface to approximately 12 to 17 feet bgs. As shown in cross-sections A-A' and B-B' (Figures 4 and 5), between approximately 8 and 12 feet bgs, the sediments become sandy gravel to a gravelly clay across the site in the east west direction, but are discontinuous in the north-south direction, while in cross-section C-C' (Figure 6), the sandy gravel is encountered only in the vicinity of Tank #1, at the southeastern end of the section. Monitoring well GW-5 is screened across this gravelly clay unit, which during the recent investigation had insufficient groundwater for proper purging or TPH-d and kerosene sampling. In TB3-1 and TB3-2, a sand backfill was observed from 5 feet bgs to approximately 8-11.5 feet bgs; both borings were hand augured to 5 feet with no observations made of the cuttings. From 15-25 feet bgs, the main water-bearing zone is composed of interbedded layers of grayish-green to tan silt and well to poorly graded greenish-gray to tan fine- to medium-grained sand. Below 22-26 feet bgs, the water-bearing zone is underlaid with a hard, tan to light brown, lean clay. In DP-1, a sandy clay layer was observed from 27 to 30 feet bgs. Refusal was encountered in DP-5, DP-7 and DP-8 at 27 feet bgs, and at 21, 23, and 22 feet bgs in LDP-1, LDP-2, and LDP-3 within the building.

Groundwater was first encountered in borings from the current investigation from approximately 16 to 22 feet bgs. Groundwater levels stabilized at between 15.2 feet bgs in DP-8 and 21.8 feet bgs in DP-7. Shallow groundwater was encountered between 5 and 12 feet bgs during tank decommissioning in November 2008 and LFR well installations in July 1999. This shallow groundwater was not encountered during the current investigation. Based on observations from groundwater monitoring events at the adjoining site, groundwater flow is to the southwest at an average gradient of 0.024 ft/ft.

PHC impact was observed in the borings in the form of green to greenish gray sediments, moderate to strong PHC odor, and elevated PID readings. PHC impact was seen in DP-1 (14 to 19 feet bgs), DP-5 (7.5 to 14.5 feet bgs), LDP-3 (8 to 11 feet bgs), in LDP-1 from 11 to 20 feet bgs and in LDP-2 from 4.5 to 8 feet bgs and from 16 to 22 feet bgs.

4.2 Identification of Chemicals of Potential Concern

Based on historical and current investigations, the primary COCs for the site are as follows: TPH-g, TPH-d, TPH-ss, kerosene, benzene, ethylbenzene, xylenes, VC, 1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene (cis,1-2-DCE), and naphthalene. Tables 1 through 4 summarize current and historical COC concentrations in soil and groundwater. In addition to compounds documented above, other VOC's, consisting of but not limited to acetone, 1,2 dichloropropane, isopropilbenzene, propylbenzene, tert-butylbenzene, and chlorobenzene, were detected at relatively low (slightly exceeding the laboratory reporting limits) concentrations in collected samples.

4.3 Soil Contamination

During the current investigation, elevated PID readings and hydrocarbon staining were observed in borings DP-1, DP-5, and indoor borings LDP-1 through LDP-3.

As Table 1 indicates, TPH-g and TPH-ss were detected at elevated concentrations in DP-1 at 16 feet bgs (5,400 mg/kg and 3,500 mg/kg, respectively); in DP-5 at 8 feet bgs (810 mg/kg and 820 mg/kg,) and at 13.5 feet bgs (1,100 mg/kg and 700 mg/kg); in LDP-1 at 12 feet bgs (1,500 mg/kg and 950 mg/kg) and at 19 feet (750 mg/kg and 480 mg/kg); in LDP-2 at 5 feet (780 mg/kg and 500 mg/kg) and at 18 feet bgs (5,800 mg/kg and 3,700 mg/kg); and in LDP-3 at 8 feet bgs (510 mg/kg and 320 mg/kg). Kerosene, TPH-d, ethylbenzene, xylenes, naphthalene and lead were also detected in soil samples, Tables 1 and 2 summarize analytical results for soil sampling.

It should be noted that similarly to groundwater samples, many of TPH-g, TPH-d, and TPH-ss detections in soil were flagged by the analytical laboratory with "Y" qualifier, for samples exhibiting chromatographic patterns which did not resemble standard (Tables 1 and 2). Due to the fact that TPH-ss, kerosene and TPH-g carbon have common carbon ranges, some overlap of detected concentrations of above PHC could have occurred. A complete laboratory analytical result illustrating all detections is attached in Appendix B.

During the November 2008 investigation, elevated PID levels and hydrocarbon staining were observed in confirmation borings TB1-1, TB1-3, TB2-1, TB3-1, and TB3-2 (Figure 2). As Table 1 indicates, TPH-g was detected 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 in TB1-1 at 18 feet bgs (110 mg/kg). TPH-ss and kerosene were observed 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). Soil analytical results are documented in Tables 1 and 2.

Vertical and horizontal extent of soil contamination is illustrated in Figures 4 through 6 (on geologic cross-sections A-A', B-B', and C-C'). It appears that two distinct shallow and deep soil contamination areas exist at the site, likely due to the presence of shallow and deeper sources of historical contamination (bottom of shallow UST was located at 8 feet bgs and subsurface piping, bottom of deeper USTs at 15 and 25 feet bgs).

SOMA reviewed sampling intervals 5 to 8 feet bgs, 12 to 16 feet bgs, and 17 to 19 feet bgs, to evaluate lateral and vertical extent of contamination at different soil horizons. Figure 7 illustrates lateral distribution of TPH-g, TPH-d, and TPH-ss in soil between 5 and 8 feet bgs. Figure 8 illustrates lateral distribution of TPH-g, TPH-d, and TPH-ss in soil between 12 and 16 feet bgs. Figure 9 illustrates lateral distribution of TPH-g, TPH-d, and TPH-ss in soil between 17 and 19 feet bgs. Maximum concentrations detected within studied depths are graphically depicted in these Figures.

As shown in above Figures, in the 5-8 foot bgs sampling interval, maximum TPH-g, TPH-d, and TPH-ss were detected between indoor boring LDP-2 and historical shallow boring TB2-2 (adjacent to Tank #2). In the 12-16 foot sampling interval, maximum TPH-g, TPH-d, and TPH-ss were detected between indoor boring LDP-1, historical shallow borings TB3-1 and TB3-2 (adjacent to Tank #3), and current boring DP-1. In the 17-19 foot sampling interval, maximum TPH-g, TPH-d, and TPH-ss were detected in indoor boring LDP-2, and based on observed PID readings inferred to boring DP-1.

Furthermore, it appears that vertical extent of soil contamination is limited to the explored depths in borings DP-1 through DP-8, as illustrated by low to non-detectable (below laboratory-reporting limits) of COCs in deeper samples. In above borings, the deepest samples collected ranged in depth between 16 feet bgs (DP-4, DP-7, and DP-8) and 26 feet bgs (DP-3). It appears that vertical extent of soil contamination has not been fully delineated in borings LDP-1 and LDP-2, as illustrated by elevated COCs at 19 feet bgs and 21 feet bgs, respectively.

4.4 Groundwater Contamination

During current groundwater sampling, TPH-g detections ranged from <50 µg/L (downgradient locations) to 380,000 µg/L (indoor boring LDP-2), TPH-d from <51 µg/L (DP-6) to 46,000 µg/L (indoor boring LDP-2), TPH-ss from <50 (downgradient locations) to 24,000 µg/L (indoor boring LDP-2), and kerosene from <51 µg/L (DP-6) to 49,000 µg/L (indoor boring LDP-2). Benzene was detected in DP-1 at 14 µg/L, DP-4 at 20 µg/L, LDP-1 at 4.2 µg/L, and LDP-2 at 44 µg/L. No PCE, TCE, or 1,2-DCA were detected during current investigation above laboratory-reporting limits. Maximum vinyl chloride concentration was detected in indoor boring LDP-1 at 15 µg/L, maximum naphthalene was detected in indoor boring LDP-2 at 76 µg/L, and cis-1,2-DCE in indoor boring LDP-1 at 35 µg/L. Groundwater analytical results are tabulated in Tables 3 and 4. It should be

noted, that many of TPH-g, TPH-d, and TPH-ss detections were flagged by the analytical laboratory with “Y” qualifier, identifying samples that exhibited chromatographic patterns which did not resemble laboratory standard. These flagged results are documented in Tables 3 and 4. It should be also noted that due to the fact that TPH-ss, kerosene and TPH-g carbon have common carbon ranges, some overlap of detected concentrations of above PHC could have occurred, carbon ranges are also referenced in table footnotes. A complete laboratory analytical result illustrating all detections is attached in Appendix B.

During historical sampling, TPH-g ranged from 890 µg/L to 29,000 µg/L, TPH-d from 230 µg/L to 330,000 µg/L, TPH-ss from 140 µg/L to 560,000 µg/L, and kerosene from 170 µg/L to 560,000 µg/L. All samples except those from TB3-2 showed contaminants concentrations. Benzene was detected in TB3-1 (22 µg/L) and total xylenes were detected in TB1-3 (1,700 µg/L). BTEX was below laboratory-detection limits in remaining samples. Table 4 shows that VOCs were detected in TB1-3 (TBA at 28 µg/L), TB1-4 (1,2-DCA at 3.6 µg/L), TB2-1 and TB3-1 (naphthalene at 98 and 19 µg/L, respectively). All other VOCs were below laboratory-detection limits. Historical analytical results are documented in Tables 3 and 4.

Figure 10 shows cumulative (current and historical) groundwater concentrations for TPH-g, TPH-d, and TPH-ss. As shown by this Figure, maximum TPH-g concentrations were detected in boring LDP-2 (groundwater sample collected at 21 feet bgs, upgradient from decommissioned USTs), maximum TPH-d and TPH-ss concentrations were detected in historical shallow boring TB2-2 (groundwater sample collected at 7 feet bgs, adjacent to former Tank #2).

Groundwater samples indicate that COC contamination in groundwater is located in the vicinity of decommissioned USTs, and in upgradient areas adjacent to the area of storage and abandoned piping. No free product was noted during boring advancement.

Based on low to non-detectable concentrations in crossgradient borings DP-3 and DP-6 (west and east of decommissioned USTs) as well as the most downgradient borings DP-7 and DP-8, the lateral extent of groundwater contamination in westerly, easterly, and southerly (downgradient) direction has been delineated.

The most upgradient sampling location LDP-3, advanced adjacent to the floor drain (located approximately 40 feet upgradient from the nearest UST under the sidewalk), has shown detections of TPH-g, TPH-ss, kerosene, and TPH-d in groundwater at 410 µg/L, 260 µg/L, 330 µg/L, and 310 µg/L, respectively.

4.5 Evaluation of Existing Groundwater Monitoring Well Network

Three existing groundwater monitoring wells are associated with the adjacent Glovatorium property: GW-5, GW-6A, and LFR-4. Other nearby wells and borings, GW-5A, GW-6, GW-7 and GW-8 were decommissioned between July 1999 and July 2000 (Figure 2).

GW-5 is screened from 8 to 13 feet bgs, GW-6A from 5 to 15 feet bgs, and LFR-4 from 9 to 19 feet bgs. During current investigation, stabilized groundwater was observed in all soil borings at depths ranging between 15.2 feet bgs and 21.8 feet bgs, indicating that some of above wells may be too shallow and may not be screened appropriately for monitoring groundwater contamination at the site. The depth of the 54-inch storm drain as it runs below 38th Street is between 8.5 and 14 feet bgs.

These wells are located 10 to 40 feet downgradient and crossgradient of the decommissioned USTs. During the aforementioned monitoring event, contamination was observed in LFR-4 (the closest well to the former USTs) with TPH-g detected at 420 µg/L and TPH-ss at 270 µg/L. The rest of the analytes listed in Tables 3 and 4 were below laboratory reporting limits. Well GW-5, located immediately adjacent to the 54-inch storm drain, had minimal groundwater, and no kerosene and TPH-d sampling was conducted. Remaining analytes (listed in Tables 3 and 4) were detected below the laboratory-reporting limits, indicating that shallow contaminated groundwater adjacent to the former USTs does not impact the storm drain. Furthermore, results from borings DP-3, DP-7 and DP-8, except for minor MtBE detections in downgradient borings, did not indicate any significant soil or groundwater impact in the immediate vicinity of the 54-inch drain.

4.6 Data Gap Summary and Possible Remedial Strategy

Based on historical and recent soil and groundwater investigation, the following data gaps exist at the site:

1. The upgradient (northern) extent of contamination
2. Vertical extent of contamination in the vicinity of borings LDP-1 and LDP-2

Future remedial approaches may include, but are not limited to:

1. monitored natural attenuation (MNA)
2. soil vapor extraction
3. multi-phase extraction
4. in situ bioremediation or enhanced bioremediation
5. in situ chemical reduction/oxidation

Because a building covers most of the site and there are public right of way areas with deep soil contamination beneath them, at this time excavation is not considered a viable remedial option.

5. CONCLUSIONS AND RECOMMENDATIONS

1. Soil and groundwater samples collected from borings indicate that the contaminated zone is located in the vicinity of and upgradient from the decommissioned USTs.
2. Based on low to non-detectable COCs in soil and groundwater of the most crossgradient borings DP-3 and DP-6 (to the west and east from decommissioned USTs), as well as the most downgradient borings DP-7 and DP-8, it appears that lateral extent of the groundwater contaminant plume in the westerly, easterly, and southerly (downgradient) directions has been delineated.
3. Vertical extent of soil contamination is limited to explored depths in borings DP-1 through DP-8, and is defined by low to non-detectable (below laboratory-reporting limits) of COCs between 16 feet bgs (DP-4, DP-7, and DP-8) and 26 feet bgs (DP-3).
4. Vertical extent of soil contamination has not been fully delineated in borings LDP-1 and LDP-2, as illustrated by elevated COCs at 19 and 21 feet bgs, respectively.
5. Upgradient LDP-1 through LDP-3 borings exhibited elevated COCs in soil and groundwater. The most upgradient sampling location LDP-3, advanced approximately 40 feet upgradient from the nearest UST under the sidewalk, has shown detections of TPH-g, TPH-d, kerosene, and TPH-ss in groundwater at 410 µg/L, 310 µg/L, 330 µg/L, and 260 µg/L, respectively. These detections suggest that upgradient extent of soil and groundwater contamination has not been delineated. Due to elevated COCs in LDP-2, further investigation east of LDP-2 is recommended to assess the lateral extent of contamination to the east.
6. Since the analytical laboratory flagged many TPH-g, TPH-d, and TPH-ss with “Y” qualifier, identifying samples that exhibited chromatographic patterns that did not resemble laboratory standard, it is recommended that during future sampling, analysis for total purgeable and extractable petroleum hydrocarbons is utilized.

Tables

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

Borehole	Depth ¹ (feet bgs)	TPH-g (mg/kg)	TPH-ss (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
November 20 and 21, 2008									
TB1-1	10	3.1	4.5	6	3.3	<0.023	<0.023	<0.023	<0.047
TB1-1	12	850	340	340	260	<2.4	<2.4	<2.4	<4.9
TB1-1	18	0.91	170	150	110	<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	21	22	12	NA	NA	NA	NA
TB1-3	12	300	58	53	35	<0.97	<0.97	<0.97	<1.9
TB1-3	14	1,600	120	110	66	<0.022	<0.022	<0.022	<0.043
TB1-3	27	<0.23	<0.99	2.8	1.0	<0.005	<0.005	<0.005	<0.01
TB1-4	24	<0.24	1.8	3.7	<1.0	<0.0047	<0.0047	<0.0047	<0.0095
TB1-4	27	2.0	2.2	4.0	<1.0	<0.005	<0.005	<0.005	<0.01
TB2-1	6	750	39	35	18	<0.005	<0.005	<0.005	<0.0099
TB2-1	10	120	1.7	3.6	1.8	<0.0049	<0.0049	<0.0049	<0.0099
TB2-2	6	250	28	27	15	<0.96	<0.96	<0.96	<1.9
TB2-2	8	3,900	950	950	630	<2.5	<2.5	<2.5	<4.9
TB2-2	10	140	150	130	79	<0.012	<0.012	<0.012	<0.024
TB3-1	6	<0.25	1.1	1.4	2.5	<0.005	<0.005	<0.005	<0.01
TB3-1	8	220	4	7.4	4.4	<1.9	<1.9	<1.9	<3.9
TB3-1	14	3,800	130	120	81	<0.024	<0.024	0.036	<0.048
TB3-1	17	<0.24	1.4	3.3	<1.0	<0.005	<0.005	<0.005	<0.01
TB3-2	6	<0.25	2.5	5	31	<0.005	<0.005	<0.005	<0.0099
TB3-2	12	2,100	15	17	12	<4.9	<4.9	<4.9	<9.7
TB3-2	14	3,200	5.5	7.9	5.5	<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	5.6	7.0	3.7	<0.0049	<0.0049	0.024	0.022
August 9 and 10, 2010									
DP-1	10	<1.0	<1.0	<1.0	<1.0	<0.0049	<0.0049	<0.0049	<0.0049
DP-1	12	<0.93	<0.93	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
DP-1	16	5,400^Y	3,500^Y	740	580^Y	<2.5	<2.5	18.0	18.0
DP-1	20	<1.0	<1.0	3.0	2.4 ^Y	<0.0049	<0.0049	<0.0049	<0.0049
DP-3	13	<1.0	<1.0	12	11	<0.0047	<0.0047	<0.0047	<0.0047
DP-3	16	<0.94	<0.94	<0.99	<0.99	<0.0047	<0.0047	<0.0047	<0.0047
DP-3	21	<0.94	<0.94	<1.0	<1.0	<0.0049	<0.0049	<0.0049	<0.0049
DP-3	26	<1.0	<1.0	<0.99	<0.99	<0.005	<0.005	<0.005	<0.005
DP-4	12	<0.99	<0.99	<1.0	<1.0	<0.0049	<0.0049	<0.0049	<0.0049
DP-4	14	<0.98	<0.98	9.5	7.5 ^Y	<0.0049	<0.0049	<0.0049	<0.0049
DP-4	16	<1.0	<1.0	5.3	4.6 ^Y	<0.0049	<0.0049	<0.0049	<0.0049
DP-5	8	810^Y	520	360	290	<1.3	<1.3	<1.3	<1.3
DP-5	11.5	19 ^Y	12	31	28	<0.25	<0.25	<0.25	<0.25
DP-5	13.5	1,100^Y	700	86	74	<0.25	<0.25	<0.25	<0.25
DP-5	19.5	<0.95	<0.95	<0.99	<0.99	<0.0049	<0.0049	<0.0049	<0.0049
DP-6	13	<0.99	<0.99	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
DP-6	16	<1.0	<1.0	<0.99	<0.99	<0.0049	<0.0049	<0.0049	<0.0049
DP-6	19	<0.96	<0.96	<0.99	<0.99	<0.005	<0.005	<0.005	<0.005
DP-7	13	<0.93	<0.93	<0.99	<0.99	<0.0048	<0.0048	<0.0048	<0.0048
DP-7	16	<1.1	<1.1	<1.0	<1.0	<0.0049	<0.0049	<0.0049	<0.0049
DP-8	13	<0.93	<0.93	<1.0	<1.0	<0.0048	<0.0048	<0.0048	<0.0048
DP-8	16	<1.1	<1.1	<1.0	<1.0	<0.0046	<0.0046	<0.0046	<0.0046
LDP-1	6	41 ^Y	26	110	120	<0.005	<0.005	<0.005	<0.005
LDP-1	12	1,500^Y	950	280	240	<5.0	<5.0	<5.0	<5.0
LDP-1	15	5.0 ^Y	3.2	830	650^Y	<1.0	<1.0	<1.0	<1.0
LDP-1	19	750^Y	480^Y	230	180^Y	<1.7	<1.7	<1.7	<1.7
LDP-2	5	780^Y	500	890	860^Y	<5.0	<5.0	<5.0	<5.0
LDP-2	13	11 ^Y	7.2	27	29	<0.25	<0.25	<0.25	<0.25
LDP-2	18	5,800	3,700^Y	1,100	1,000^Y	<5.0	<5.0	<5.0	7.4
LDP-2	21	21	14 ^Y	630	600^Y	<0.25	<0.25	<0.25	<0.25
LDP-3	8	510^Y	320	210	220	<0.5	<0.5	<0.5	<0.5
LDP-3	12	29 ^Y	19	73	79	<0.25	<0.25	<0.25	<0.25
LDP-3	16	<0.98	<0.98	<1.0	<1.0	<0.0048	<0.0048	<0.0048	<0.0048

**Table 1: Soil Analytical Results (TPH and BTEX)
316 38th Street, Oakland**

Borehole	Depth¹ (feet bgs)	TPH-g (mg/kg)	TPH-ss (mg/kg)	Kerosene (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
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Notes:

< : Below Laboratory-reporting Limit

Y: Sample exhibits chromatographic pattern which does not resemble standard

NA: Not Available/Analyzed

TPH-g: Total Petroleum Hydrocarbons as Gasoline (C7-C12)

TPH-d: Total Petroleum Hydrocarbons as Diesel (C10-C24)

TPH-ss: Total Petroleum Hydrocarbons as Stoddard Solvents (C7-C12)

Kerosene: (C10-C16)

Table 2: Soil Analytical Results (VOC compounds)
316 38th Street, Oakland

Borehole	Depth (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)	Lead (mg/kg)
November 20 and 21, 2008										
TB1-1	12	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA
TB1-1	18	<0.005	<0.005	<0.005	<0.0095	<0.0049	<0.005	<0.005	<0.0099	3
TB1-1	27	<0.005	<0.005	<0.005	<0.0094	<0.0047	<0.005	<0.005	<0.01	5.1
TB1-3	12	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA
TB1-3	14	<0.022	<0.022	<0.022	<1.9	<0.97	<0.97	<0.022	<0.043	6.6
TB1-3	27	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	5.8
TB1-4	24	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA
TB1-4	27	<0.005	<0.005	<0.005	<0.0095	<0.0047	<0.0047	<0.005	<0.01	5.9
TB2-1	6	<0.005	<0.005	<0.005	<1.9	<0.96	<0.96	<0.005	<0.0099	7.2
TB2-1	10	<0.0049	<0.0049	<0.0049	<1.9	<0.94	<0.94	<0.0049	<0.0099	5.4
TB2-2	6	<0.0049	<0.0049	<0.0049	NA	NA	NA	NA	NA	NA
TB2-2	10	<0.012	<0.012	<0.012	<2.0	<0.98	<0.98	<0.012	<0.024	14
TB3-1	6	<0.0049	<0.0049	<0.0049	NA	NA	NA	NA	NA	NA
TB3-1	14	<0.024	<0.024	<0.024	<5.0	<2.5	<2.5	<0.024	0.480	3
TB3-1	17	<0.005	<0.005	<0.005	<0.0096	<0.0048	<0.0048	<0.005	<0.01	3.4
TB3-2	6	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA
TB3-2	14	<0.0049	<0.0049	<0.0049	<1.9	<0.96	<0.96	<0.0049	<0.0099	6.7
TB3-2	14	NA	NA	NA	<9.6	<4.8	<4.8	<0.0049	<0.0099	NA
TB3-2	17	<0.0049	<0.0049	<0.0049	<1.9	<0.93	<0.93	<0.0049	0.018	3.5
August 9 and 10, 2010										
DP-1	10	<0.0049	<0.0049	<0.0098	<0.098	<0.0049	<0.0049	<0.0049	<0.0049	5.4
DP-1	12	<0.005	<0.005	<0.0099	<0.099	<0.005	<0.005	<0.005	<0.005	6.6
DP-1	16	<2.5	<2.5	<5.0	<50	<2.5	<2.5	<2.5	8.7	4.3
DP-1	20	<0.0049	<0.0049	<0.0098	<0.098	<0.0049	<0.0049	<0.0049	<0.0049	13.0
DP-3	13	<0.0047	<0.0047	<0.0095	<0.095	<0.0047	<0.0047	<0.0047	<0.0047	8.0
DP-3	16	<0.0047	<0.0047	<0.0094	<0.094	<0.0047	<0.0047	<0.0047	<0.0047	1.9
DP-3	21	<0.0049	<0.0049	<0.0097	<0.097	<0.0049	<0.0049	<0.0049	<0.0049	4.5
DP-3	26	<0.005	<0.005	<0.01	<0.10	<0.005	<0.005	<0.005	<0.005	3.9
DP-4	12	<0.0049	<0.0049	<0.0097	<0.097	<0.0049	<0.0049	<0.0049	<0.0049	5.7
DP-4	14	<0.0049	<0.0049	<0.0098	<0.098	<0.0049	<0.0049	<0.0049	<0.0049	3.8
DP-4	16	<0.0049	<0.0049	<0.0097	<0.097	<0.0049	<0.0049	<0.0049	<0.0049	2.8
DP-5	8	<1.3	<1.3	<2.5	<25	<1.3	<1.3	<1.3	<1.3	7.2
DP-5	11.5	<0.25	<0.25	<0.50	<5.0	<0.25	<0.25	<0.25	<0.25	6.4
DP-5	13.5	<0.25	<0.25	<0.50	<5.0	<0.25	<0.25	<0.25	<0.25	3.5
DP-5	19.5	<0.0049	<0.0049	<0.0098	<0.098	<0.0049	<0.0049	<0.0049	<0.0049	3.2
DP-6	13	<0.005	<0.005	<0.0099	<0.099	<0.005	<0.005	<0.005	<0.005	8.2
DP-6	16	<0.0049	<0.0049	<0.0098	<0.098	<0.0049	<0.0049	<0.0049	<0.0049	3.5
DP-6	19	<0.005	<0.005	<0.0099	<0.099	<0.005	<0.005	<0.005	<0.005	14.0
DP-7	13	<0.0048	<0.0048	<0.0096	<0.096	<0.0048	<0.0048	<0.0048	<0.0048	2.4
DP-7	16	<0.0049	<0.0049	<0.0097	<0.097	<0.0049	<0.0049	<0.0049	<0.0049	13.0
DP-8	13	<0.0048	<0.0048	<0.0097	<0.097	<0.0048	<0.0048	<0.0048	<0.0048	5.0
DP-8	16	<0.0046	<0.0046	<0.0093	<0.093	<0.0046	<0.0046	<0.0046	<0.0046	6.8
LDP-1	6	<0.005	<0.005	<0.01	<0.1	<0.005	<0.005	<0.005	<0.005	7.3
LDP-1	12	<5.0	<5.0	<10	<100	<5.0	<5.0	<5.0	<5.0	360
LDP-1	15	<1.0	<1.0	<2.0	<20	<1.0	<1.0	<1.0	<1.0	6.8
LDP-1	19	<1.7	<1.7	<3.3	<33	<1.7	<1.7	<1.7	2.2	7.1
LDP-2	5	<5.0	<5.0	<10	<100	<5.0	<5.0	<5.0	<5.0	6.8
LDP-2	13	<0.25	<0.25	<0.5	<5.0	<0.25	<0.25	<0.25	<0.25	6.6
LDP-2	18	<5.0	<5.0	<10	<100	<5.0	<5.0	<5.0	6.1	4.3
LDP-2	21	<0.25	<0.25	<0.5	<5.0	<0.25	<0.25	<0.25	<0.25	4.7
LDP-3	8	<0.5	<0.5	<1.0	<10	<0.5	<0.5	<0.5	<0.5	4.7
LDP-3	12	<0.25	<0.25	<0.5	<5.0	<0.25	<0.25	<0.25	<0.25	5.4
LDP-3	16	<0.0048	<0.0048	<0.0096	<0.096	<0.0048	<0.0048	<0.0048	<0.0048	3.4

Notes:

< : Below Laboratory-reporting Limit

NA: Not Available/Analyzed

Table 3: Groundwater Analytical Results (TPH and BTEX)
316 38th Street, Oakland

Well ID	Sample Date	TPH-g (ug/L)	TPH-ss (ug/L)	Kerosene (ug/L)	TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
November 2008									
TB1-1	11/21/2008	2,600	2,700	7,500	7,400	<0.5	<0.50	<0.50	<1.0
TB1-3	11/20/2008	29,000	7,900	12,000	8,700	0.54	<0.50	<0.50	1,700
TB1-4	11/21/2008	1,400	520	600	290	0.75	10	6.5	59
TB2-1	11/21/2008	28,000	110,000	97,000	52,000	<5.0	<5.0	9.1	<10
TB2-2	11/21/2008	12,000	560,000	560,000	330,000	<5.0	<5.0	<5.0	<10
TB3-1	11/21/2008	1,100	490	730	700	22	<0.50	2.1	6
TB3-2	11/21/2008	890	140	170	230	<0.50	<0.50	0.55	<1.0
August 2010									
GW-5	8/5/2010	<50	<50	NA	NA	<0.5	<0.50	<0.50	<0.5
LFR-4	8/5/2010	420^Y	270^Y	<50	<50	<0.5	<0.50	<0.50	<0.5
DP-1	8/10/2010	2,400^Y	1,500	730	670^Y	14	<0.50	50	45.8
DP-3	8/9/2010	52 ^Y	<50	<58	<58	<0.5	<0.50	<0.50	<0.5
DP-4	8/10/2010	2,100^Y	1,300	1,100	1,000^Y	20	<0.50	6.0	1.1
DP-5	8/9/2010	1,400^Y	870	840	770^Y	0.60	<0.50	<0.50	<0.5
DP-6	8/10/2010	<50	<50	<51	<51	<0.5	<0.50	<0.50	<0.5
DP-7	8/10/2010	<50	<50	<56	<56	<0.5	<0.50	<0.50	<0.5
DP-8	8/10/2010	<50	<50	<56	<56	<0.5	<0.50	<0.50	<0.5
LDP-1	8/12/2010	1,800^Y	1,200	3,500	3,300^Y	4.2	1.4	4.6	4.5
LDP-2	8/12/2010	380,000^Y	24,000	49,000	46,000^Y	44.0	6.5	52.0	129
LDP-3	8/12/2010	410^Y	260	330	310^Y	<0.5	1.0	0.50	2.5

Notes:

TPH-g: Total Petroleum Hydrocarbons as Gasoline (C7-C12)

TPH-d: Total Petroleum Hydrocarbons as Diesel (C10-C24)

TPH-ss: Total Petroleum Hydrocarbons as Stoddard Solvents (C7-C12)

Kerosene: (C10-C16)

Y: Sample exhibits chromatographic pattern which does not resemble laboratory standard

< : Below Laboratory-reporting Limit

Table 4: Groundwater Analytical Results (VOC compounds and Lead)
316 38th Street, Oakland

Borehole	Sample Date	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)	Lead (ug/L)
November 2008										
TB1-1	11/21/2008	<0.50	<0.50	<0.50	9.3	<0.50	<0.50	<0.50	<1.0	11
TB1-3	11/20/2008	<0.50	<0.50	<0.50	28	<0.50	<0.50	<0.50	<1.0	1,600
TB1-4	11/21/2008	1.8	1.1	<0.50	7.3	<0.50	3.6	0.69	<1.0	3,400
TB2-1	11/21/2008	<0.50	<0.50	<0.50	<50	<5.0	<5.0	0.81	98	2,000
TB2-2	11/21/2008	<0.50	<0.50	<0.50	<50	<5.0	<5.0	<0.50	1.5	4,700
TB3-1	11/21/2008	<0.50	<0.50	<0.50	<5.0	1.30	<0.50	1.0	19	380
TB3-2	11/21/2008	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<1.0	1,200
August 2010										
GW-5	8/5/2010	<0.50	<0.50	<0.50	<10	<0.5	<0.50	<0.50	<2.0	NA
LFR-4	8/5/2010	<0.50	<0.50	<0.50	<10	0.80	<0.50	<0.50	<2.0	<5.0
DP-1	8/10/2010	<0.50	<0.50	2.4	22	59	<0.50	4.40	17	<5.0
DP-3	8/9/2010	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<2.0	12
DP-4	8/10/2010	<0.50	<0.50	1.3	<10	5.50	<0.50	0.90	6.80	<5.0
DP-5	8/9/2010	<0.50	<0.50	<0.50	<10	0.60	<0.50	<0.50	<2.0	<5.0
DP-6	8/10/2010	<0.50	<0.50	<0.50	<10	<0.5	<0.50	<0.50	<2.0	7.6
DP-7	8/10/2010	<0.50	<0.50	<0.50	<10	8.30	<0.50	<0.50	<2.0	<5.0
DP-8	8/10/2010	<0.50	<0.50	<0.50	<10	27	<0.50	<0.50	<2.0	<5.0
LDP-1	8/12/2010	<0.5	<0.5	15	44	<0.5	<0.5	35	8.9	11
LDP-2	8/12/2010	<1.3	<1.3	<1.3	26	<1.3	<1.3	16	76	<5.0
LDP-3	8/12/2010	<0.50	<0.50	<0.50	<10	<0.5	<0.50	<0.50	<2.0	10

Notes:

< : Below Laboratory-reporting Limit

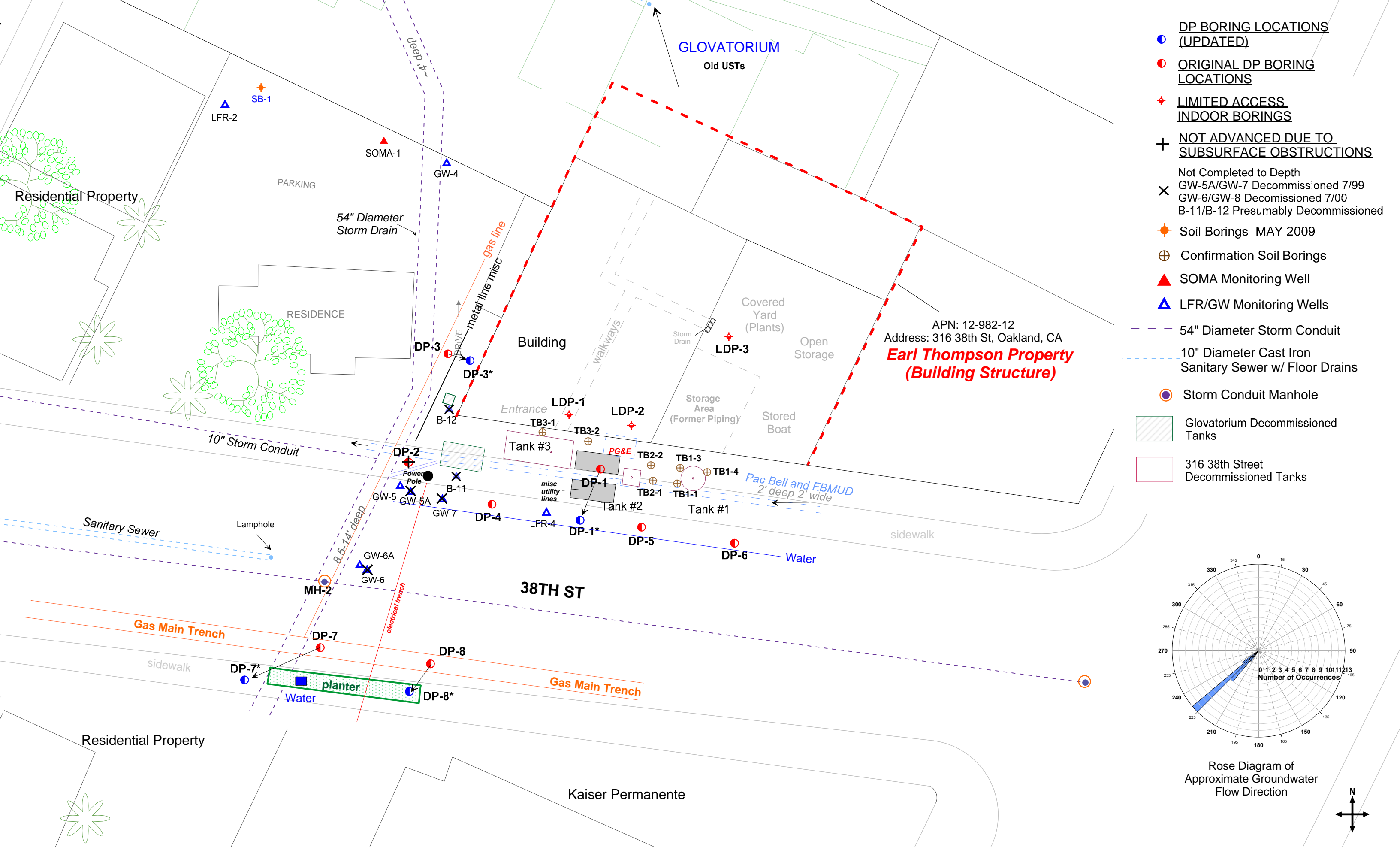
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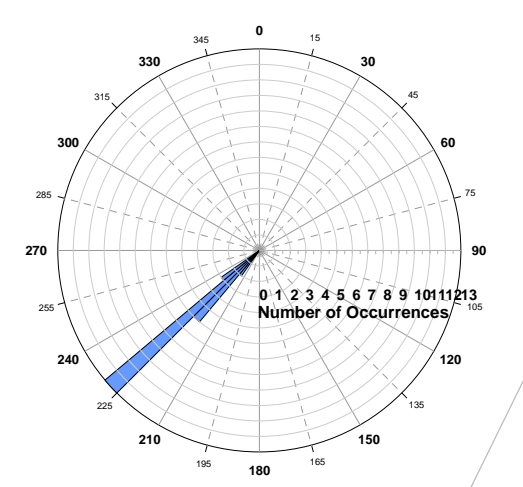
approximate scale in feet



Figure 1: Site vicinity map.



- **DP BORING LOCATIONS (UPDATED)**
- **ORIGINAL DP BORING LOCATIONS**
- ✦ **LIMITED ACCESS INDOOR BORINGS**
- + **NOT ADVANCED DUE TO SUBSURFACE OBSTRUCTIONS**
- Not Completed to Depth
- × GW-5A/GW-7 Decommissioned 7/99
- GW-6/GW-8 Decommissioned 7/00
- B-11/B-12 Presumably Decommissioned
- ✦ Soil Borings MAY 2009
- ⊕ Confirmation Soil Borings
- ▲ SOMA Monitoring Well
- ▲ LFR/GW Monitoring Wells
- 54" Diameter Storm Conduit
- 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- ⊙ Storm Conduit Manhole
- ▨ Glovatorium Decommissioned Tanks
- ▭ 316 38th Street Decommissioned Tanks



Rose Diagram of Approximate Groundwater Flow Direction

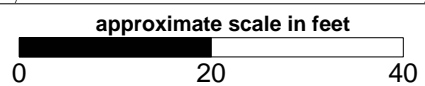
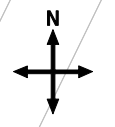
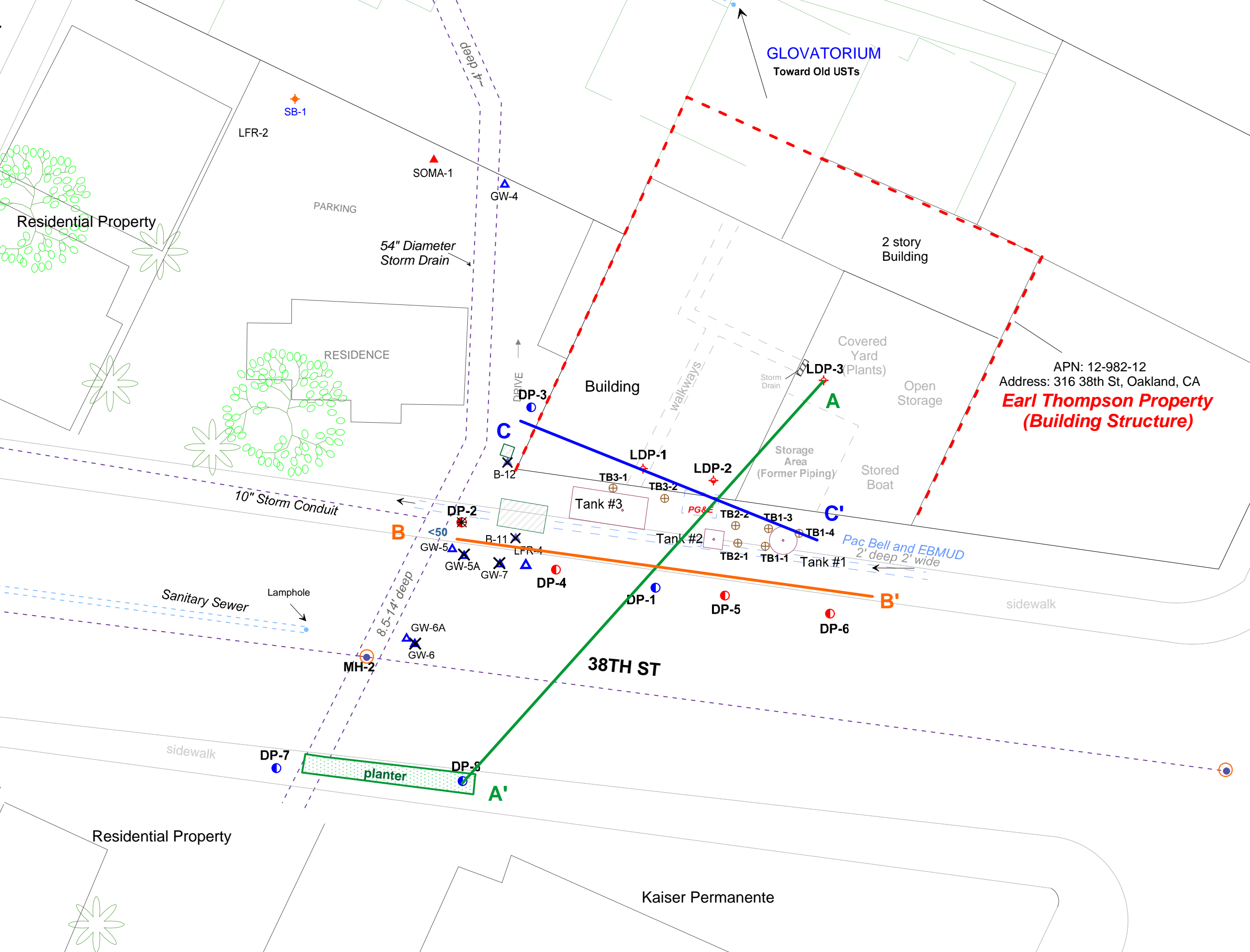
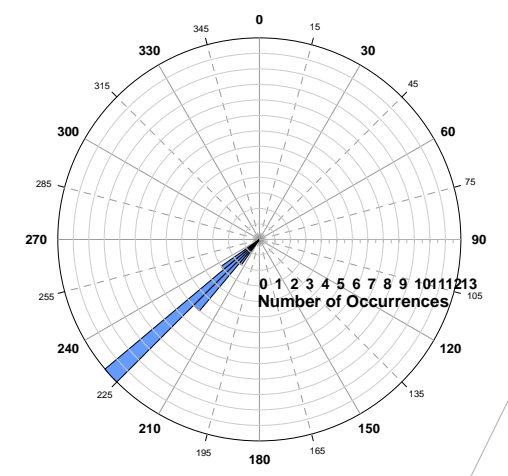


Figure 2 Site Vicinity Map Showing the Locations of USTs, Advanced Sampling Boreholes and Wells





- **DP BORING LOCATIONS (UPDATED LOCATIONS)**
- **DP BORING LOCATIONS**
- ✱ **DP BORING NOT ADVANCED DUE TO MULTIPLE SUBSURFACE OBSTRUCTIONS**
- ✦ **LIMITED ACCESS INDOOR BORINGS**
- ✦ **Soil Borings MAY 2009**
- ⊕ **Confirmation Soil Borings**
- ▲ **SOMA Monitoring Well**
- ▲ **LFR/GW Monitoring Wells**
- **54" Diameter Storm Conduit**
- **10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains**
- **Storm Conduit Manhole**
- Glovatorium Decommissioned Tanks**
- 316 38th Street Decommissioned Tanks**



Rose Diagram of Approximate Groundwater Flow Direction

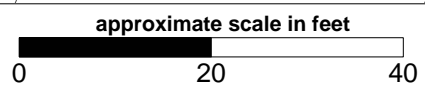
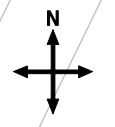
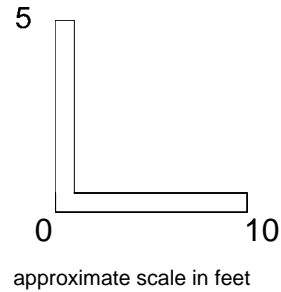
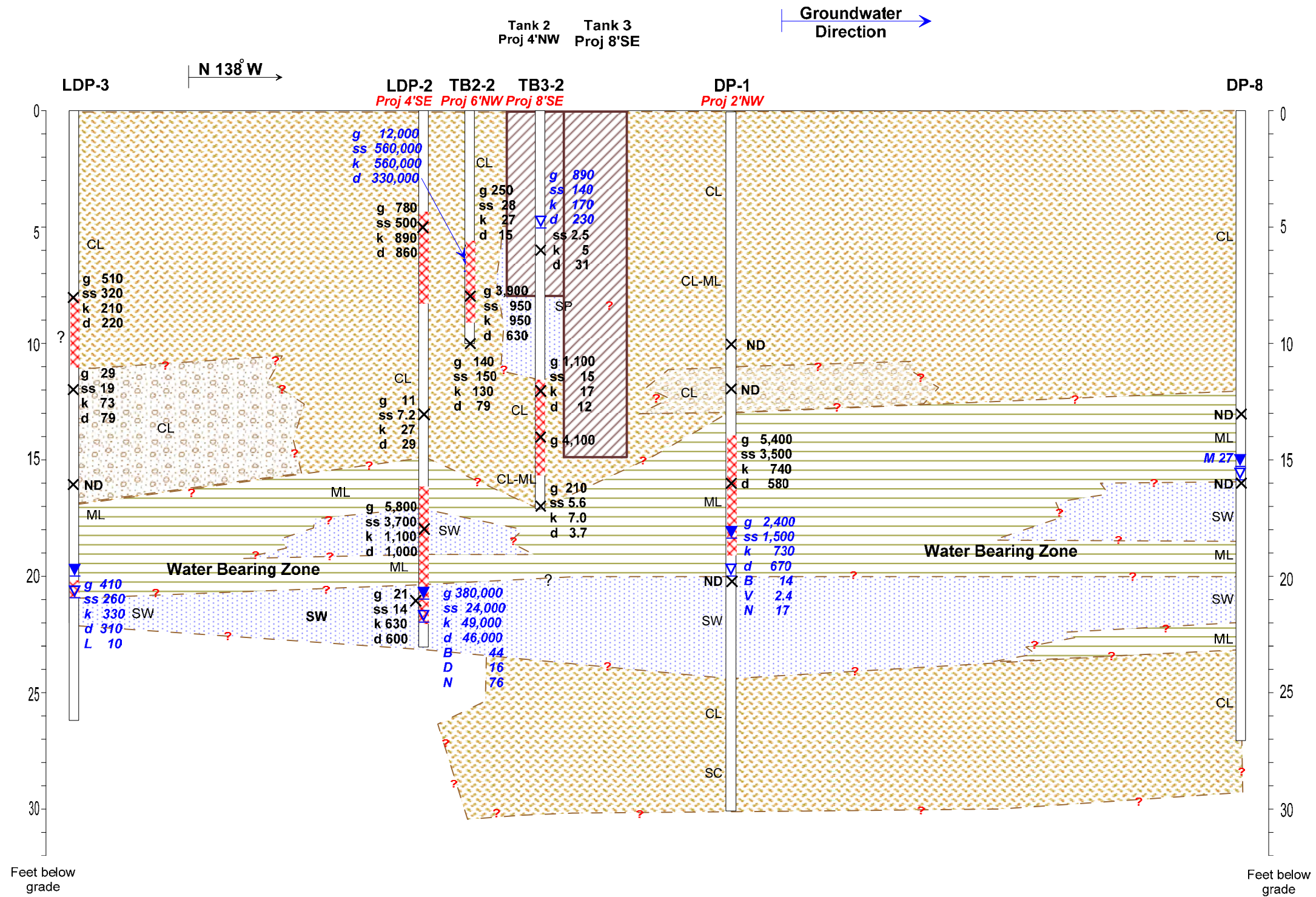


Figure 3 Location of Geologic Cross-Sections A-A', B-B', and C-C'



A

A'



- EXPLANATION**
- Monitoring well screen interval
 - Static Grounwater Level
 - Inferred contact
 - Stablized Groundwater
 - First Encountered Groundwater

- Silt, Sandy Silt
- Sand, Sandy Gravel
- Silty Clay, Sandy Clay, Clay
- Gravelly Clay
- SOIL IMPACT

- SP/SW SAND
- ML SILT
- SC CLAYEY SAND
- CL CLAY, SANDY CLAY
- GP GRAVELLY CLAY

- 100 Soil Samples (mg/kg)
- g TPH-g
 - d TPH-d
 - ss TPH-ss
 - k Kerosene
 - B Benzene

100 Sampling/Monitoring-August 2010
(unless otherwise noted)

- g TPH-g
- d TPH-d
- ss TPH-ss
- k Kerosene
- B Benzene
- V Vinyl Chloride
- D cis-1,2-DCE
- N Napthalene
- L Lead

Figure 4: Geologic Cross-section A-A'

B

B'

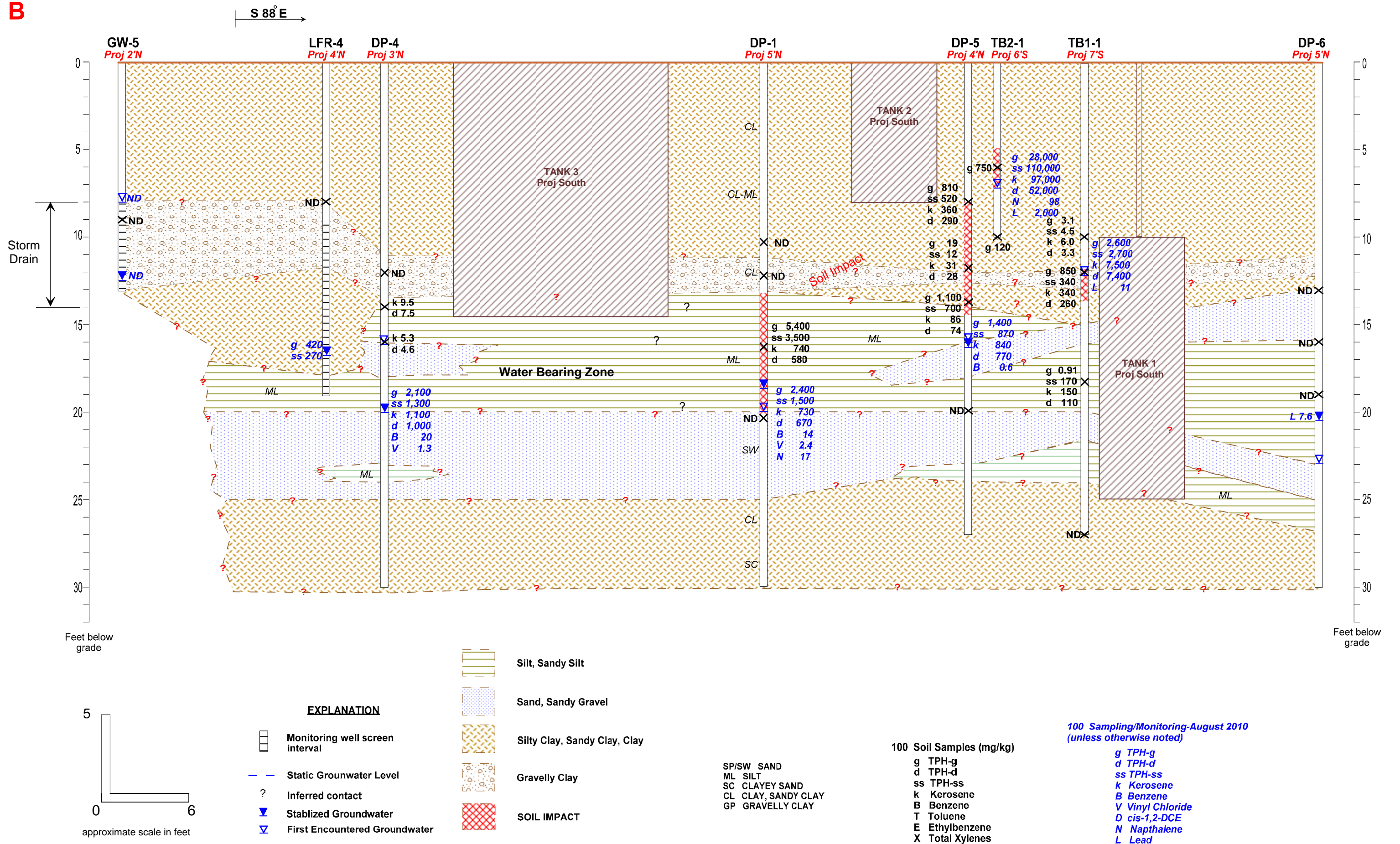
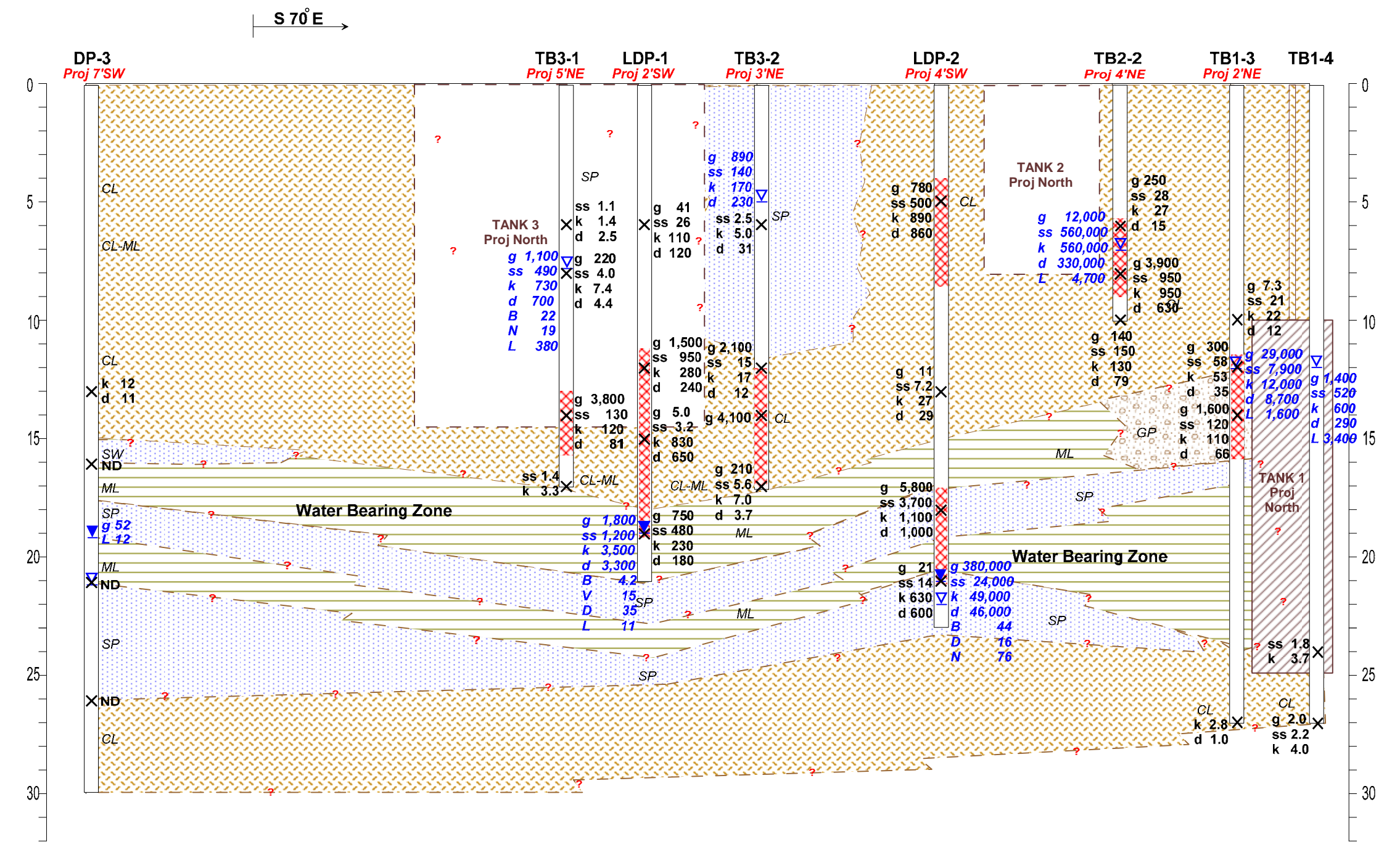


Figure 5: Geologic Cross-section B-B'

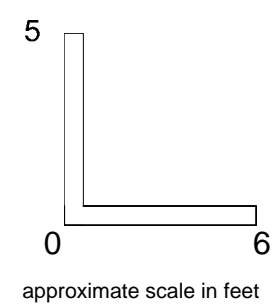
C

C'



Feet below grade

Feet below grade



- EXPLANATION**
- Monitoring well screen interval
 - Static Grounwater Level
 - ? Inferred contact
 - ▼ Stablized Groundwater
 - ▽ First Encountered Groundwater

- Silt, Sandy Silt
- Sand, Sandy Gravel
- Silty Clay, Sandy Clay, Clay
- Gravelly Clay
- SOIL IMPACT

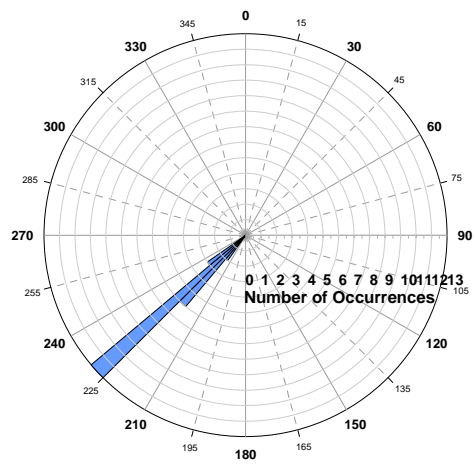
- SP/SW SAND
- ML SILT
- SC CLAYEY SAND
- CL CLAY, SANDY CLAY
- GP GRAVELLY CLAY

- 100 Soil Samples (mg/kg)
- g TPH-g
 - d TPH-d
 - ss TPH-ss
 - k Kerosene
 - B Benzene
 - T Toluene
 - E Ethylbenzene
 - X Total Xylenes

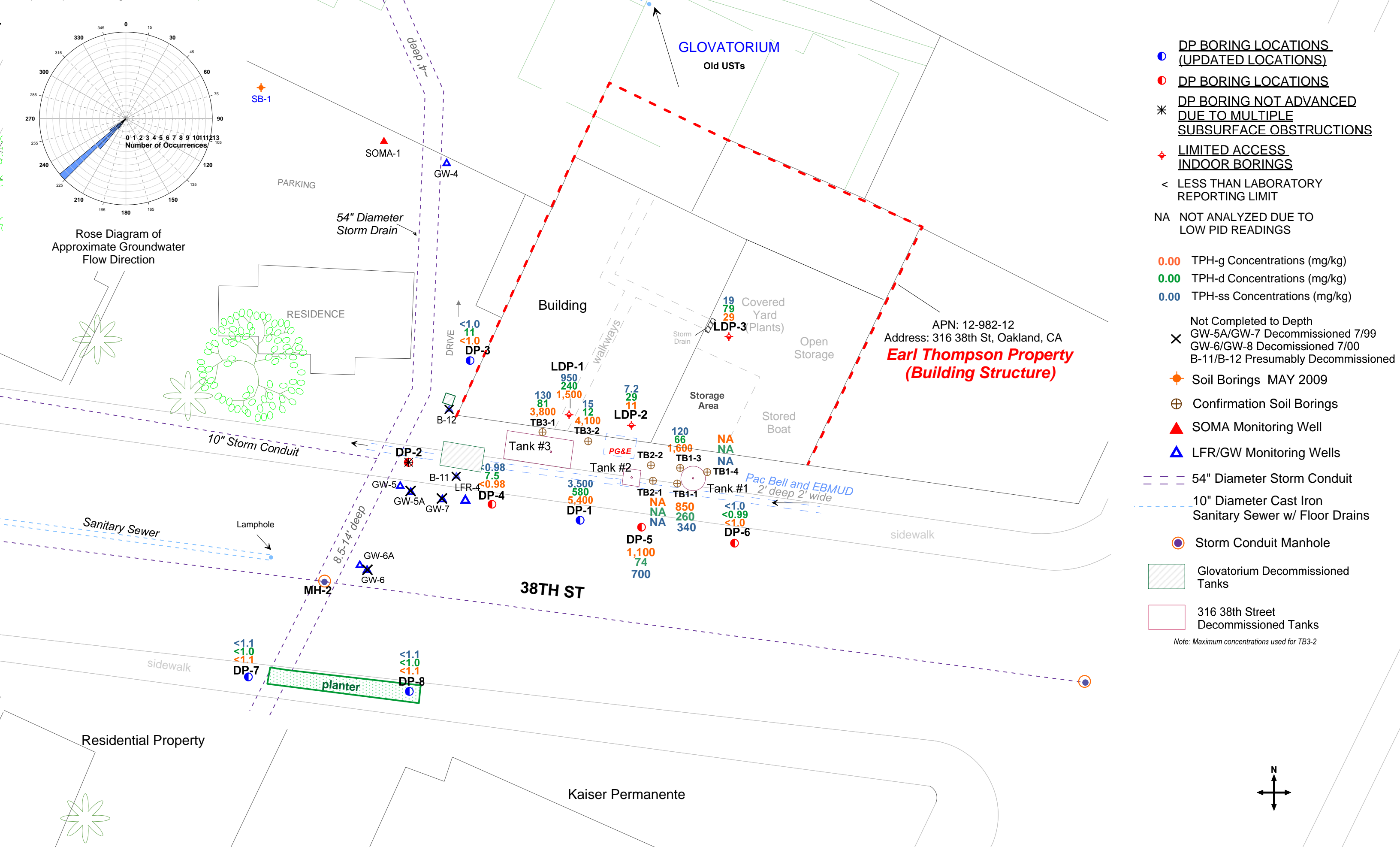
- 100 Sampling/Monitoring-August 2010
(unless otherwise noted)
- g TPH-g
 - d TPH-d
 - ss TPH-ss
 - k Kerosene
 - B Benzene
 - V Vinyl Chloride
 - D cis-1,2-DCE
 - N Naphthalene
 - L Lead

Figure 6: Geologic Cross-section C-C'





Rose Diagram of Approximate Groundwater Flow Direction



- DP BORING LOCATIONS (UPDATED LOCATIONS)
 - DP BORING LOCATIONS
 - * DP BORING NOT ADVANCED DUE TO MULTIPLE SUBSURFACE OBSTRUCTIONS
 - ✦ LIMITED ACCESS INDOOR BORINGS
 - < LESS THAN LABORATORY REPORTING LIMIT
 - NA NOT ANALYZED DUE TO LOW PID READINGS
 - 0.00 TPH-g Concentrations (mg/kg)
 - 0.00 TPH-d Concentrations (mg/kg)
 - 0.00 TPH-ss Concentrations (mg/kg)
 - Not Completed to Depth
 - ✕ GW-5A/GW-7 Decommissioned 7/99
 - ✕ GW-6/GW-8 Decommissioned 7/00
 - ✕ B-11/B-12 Presumably Decommissioned
 - ◆ Soil Borings MAY 2009
 - ⊕ Confirmation Soil Borings
 - ▲ SOMA Monitoring Well
 - ▲ LFR/GW Monitoring Wells
 - - - 54" Diameter Storm Conduit
 - - - 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
 - Storm Conduit Manhole
 - Glovatorium Decommissioned Tanks
 - 316 38th Street Decommissioned Tanks
- Note: Maximum concentrations used for TB3-2*

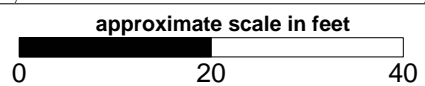
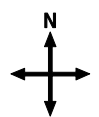
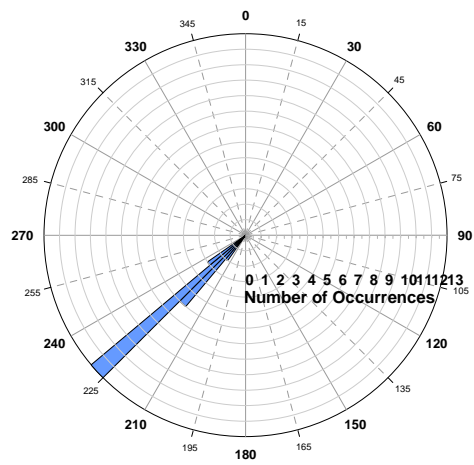
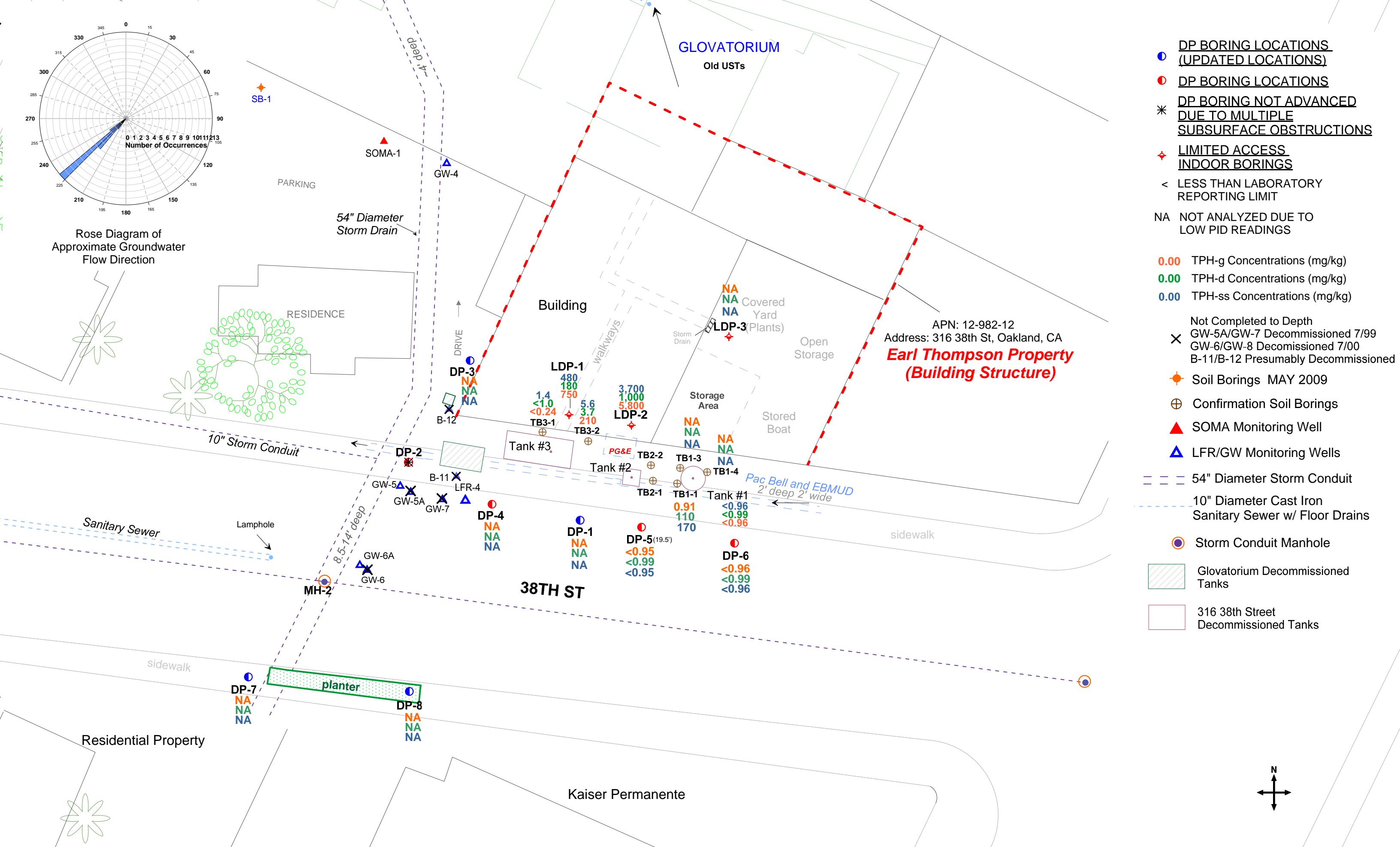


Figure 8 Map Showing TPH-g, TPH-d, and TPH-ss Concentrations in Soil at 12-16 feet bgs





Rose Diagram of Approximate Groundwater Flow Direction



- DP BORING LOCATIONS (UPDATED LOCATIONS)
- DP BORING LOCATIONS
- * DP BORING NOT ADVANCED DUE TO MULTIPLE SUBSURFACE OBSTRUCTIONS
- ✦ LIMITED ACCESS INDOOR BORINGS
- < LESS THAN LABORATORY REPORTING LIMIT
- NA NOT ANALYZED DUE TO LOW PID READINGS
- 0.00 TPH-g Concentrations (mg/kg)
- 0.00 TPH-d Concentrations (mg/kg)
- 0.00 TPH-ss Concentrations (mg/kg)
- Not Completed to Depth
- ✕ GW-5A/GW-7 Decommissioned 7/99
- ✕ GW-6/GW-8 Decommissioned 7/00
- ✕ B-11/B-12 Presumably Decommissioned
- ◆ Soil Borings MAY 2009
- ⊕ Confirmation Soil Borings
- ▲ SOMA Monitoring Well
- ▲ LFR/GW Monitoring Wells
- - - 54" Diameter Storm Conduit
- - - 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Storm Conduit Manhole
- ▨ Glovatorium Decommissioned Tanks
- ▭ 316 38th Street Decommissioned Tanks

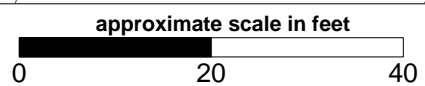
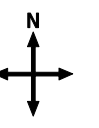
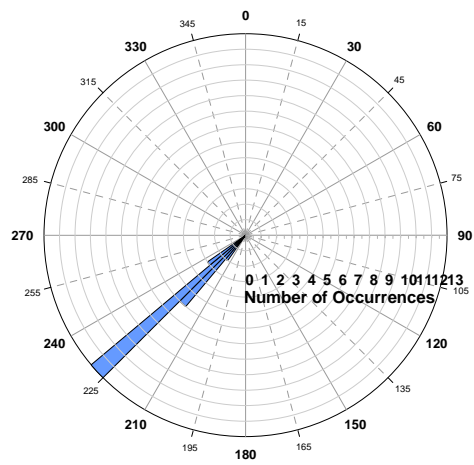
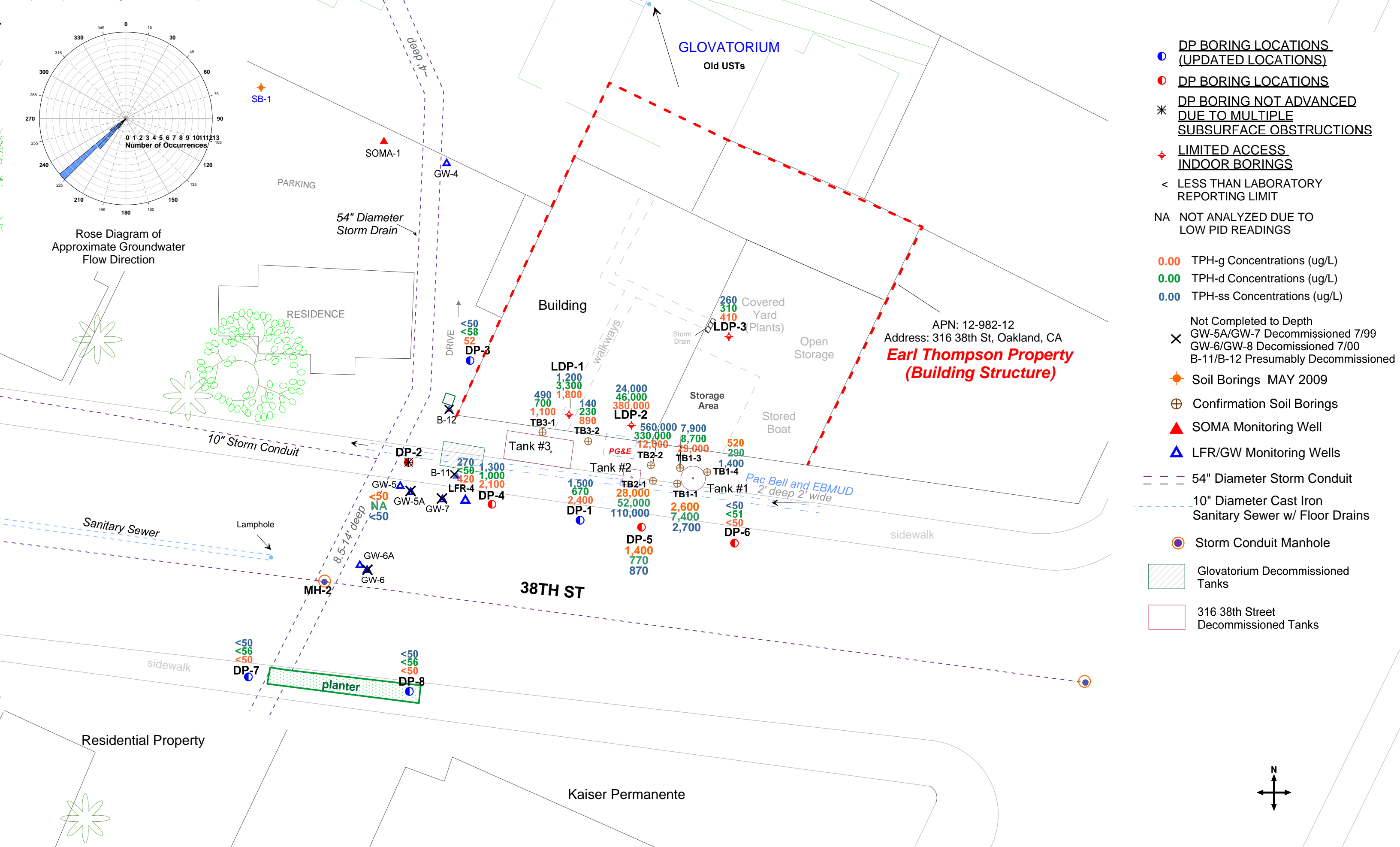


Figure 9 Map Showing TPH-g, TPH-d, and TPH-ss Concentrations in Soil at 17-19 feet bgs





Rose Diagram of Approximate Groundwater Flow Direction



- DP BORING LOCATIONS (UPDATED LOCATIONS)
- DP BORING LOCATIONS
- * DP BORING NOT ADVANCED DUE TO MULTIPLE SUBSURFACE OBSTRUCTIONS
- ✦ LIMITED ACCESS INDOOR BORINGS
- < LESS THAN LABORATORY REPORTING LIMIT
- NA NOT ANALYZED DUE TO LOW PID READINGS
- 0.00 TPH-g Concentrations (ug/L)
- 0.00 TPH-d Concentrations (ug/L)
- 0.00 TPH-ss Concentrations (ug/L)
- Not Completed to Depth
- ✕ GW-5A/GW-7 Decommissioned 7/99
- ✕ GW-6/GW-8 Decommissioned 7/00
- ✕ B-11/B-12 Presumably Decommissioned
- ◆ Soil Borings MAY 2009
- ⊕ Confirmation Soil Borings
- ▲ SOMA Monitoring Well
- ▲ LFR/GW Monitoring Wells
- - - 54" Diameter Storm Conduit
- - - 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Storm Conduit Manhole
- ▨ Glovatorium Decommissioned Tanks
- ▭ 316 38th Street Decommissioned Tanks

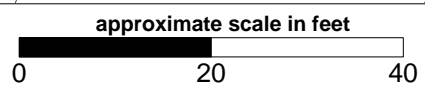
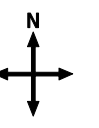


Figure 10 Map Showing TPH-g, TPH-d, and TPH-ss Concentrations in Groundwater



Appendix A

Boring Logs and Field Notes



Well Name: LFR-4
 Casing Diameter: 2 inch
 Depth of Well: 19.30 feet
 Top of Casing Elevation: 81.65 feet
 Depth to Groundwater: 16.89 feet
 Groundwater Elevation: 64.76 feet
 Water Column Height: 2.41 feet
 Purged Volume: 1.25 gallons

Project #: 2722
 Address: 316 38th St.
 Oakland, California
 Date: August 5, 2010
 Sampler: Lizzie Hightower
Erica Fisker

Purging Method: Bailer
 Sampling Method: Bailer

Pump Geotech
 Pump Geotech

Color: No
 Sheen: No
 Odor: No

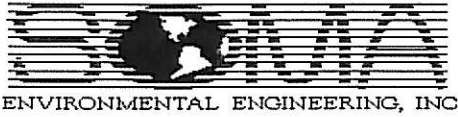
Yes Describe: _____
 Yes Describe: _____
 Yes Describe: Petro odor

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:45							
11:46	0.50	6.64	17.93	0.61	502	4.4	-10.8
11:49	1.0	6.37	17.99	0.53	506	12.3	-9.6
11:53	1.25	6.36	17.99	0.38	511	3.36	-15.9
11:58	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:07	3.17	3.30	0	0	0	5.3

Notes:



Well Name: GW-5
 Casing Diameter: 3/4 inch
 Depth of Well: 12.87 feet
 Top of Casing Elevation: 81.01 feet
 Depth to Groundwater: 12.33 feet
 Groundwater Elevation: 68.68 feet
 Water Column Height: 0.54 feet
 Purged Volume: 0 gallons
Not purged

Project #: 0722
 Address: 316 38th Street
 Oakland, California
 Date: August 5, 2010
 Sampler: Lizzie Hightower
 Erica Fisker

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump Geotech

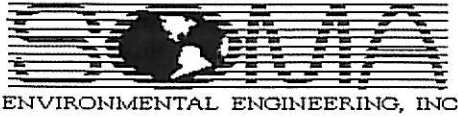
Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
<u>12:15</u>	<u>Sampled</u>						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)

Notes: Insufficient water in well for field measurements, grab sample only.



Well Name: GW-6A
 Casing Diameter: 3/4 inch
 Depth of Well: - feet
 Top of Casing Elevation: 81.61 feet
 Depth to Groundwater: DRY feet
 Groundwater Elevation: NC feet
 Water Column Height: NC feet
 Purged Volume: - gallons
Not purged

Project #: 2721
 Address: 316 38th St.
 Oakland, California
 Date: August 4, 2010
 Sampler: Lizzie Hightower
 Erica Fisker

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump Not sampled

Color: No Yes Describe: Unknown
 Sheen: No Yes Describe: Unknown
 Odor: No Yes Describe: Unknown

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)

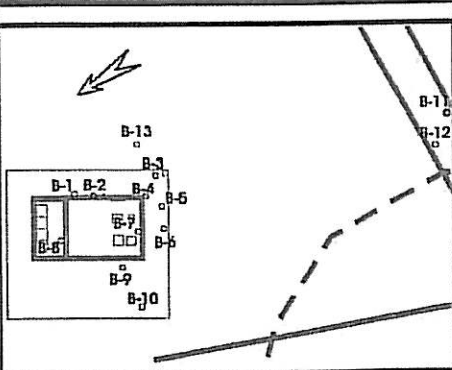
Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)

Notes: Well dry, therefore no field measurements or samples taken.

DRILLING LOG

BORING NO. B11

PROJECT NAME: Depper PROJECT NO.
 ADDRESS: 3815 Broadway, Oakland, California
 FIELD GEOLOGIST: Frank Goldman DATE: 08/22/97
 DRILLING COMPANY: Precision SAMPLER:
 DRILLING METHOD: TOTAL DEPTH: 22'
 BORING DIAMETER: 2.5"



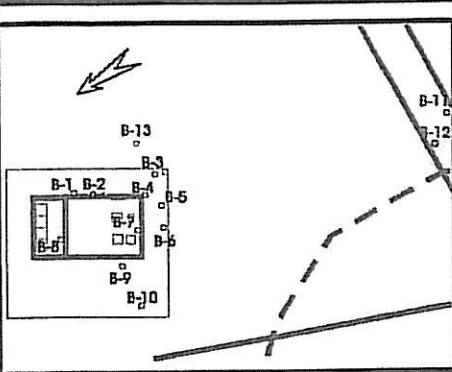
DEPTH	SAMPLE RECOVERY	BLOW COUNT	PID [ppm]	BORING CONSTR.	LITHOLOGIC LOG	USCS SYMBOLS	LITHOLOGIC DESCRIPTION Description, Grain Size, Sorting, Color, Moisture, Mechanical Properties
0						SW	Sand, reddish brown, medium to coarse, very dense, dry to slightly moist; no odor.
5						SP	Sand, medium grained, orange, dense, slightly moist; no odor.
10						CL	Gravelly clay, brown, stiff, moist; mottled; no odor.
15						CL	Silty clay, grayish green, firm to stiff, moist; no odor.
16						ML	Sandy silt, green, firm, moist; no odor.
20						SP	Silty sand, green, moderate dense, fine to medium, wet; no odor.
21						ML	Sandy silt, light brown, stiff, slightly moist to moist.
22							End of boring at 22 feet. Groundwater encountered at 21'. Boring converted into a well.
25							
30							
35							
40							

DRILLING LOG

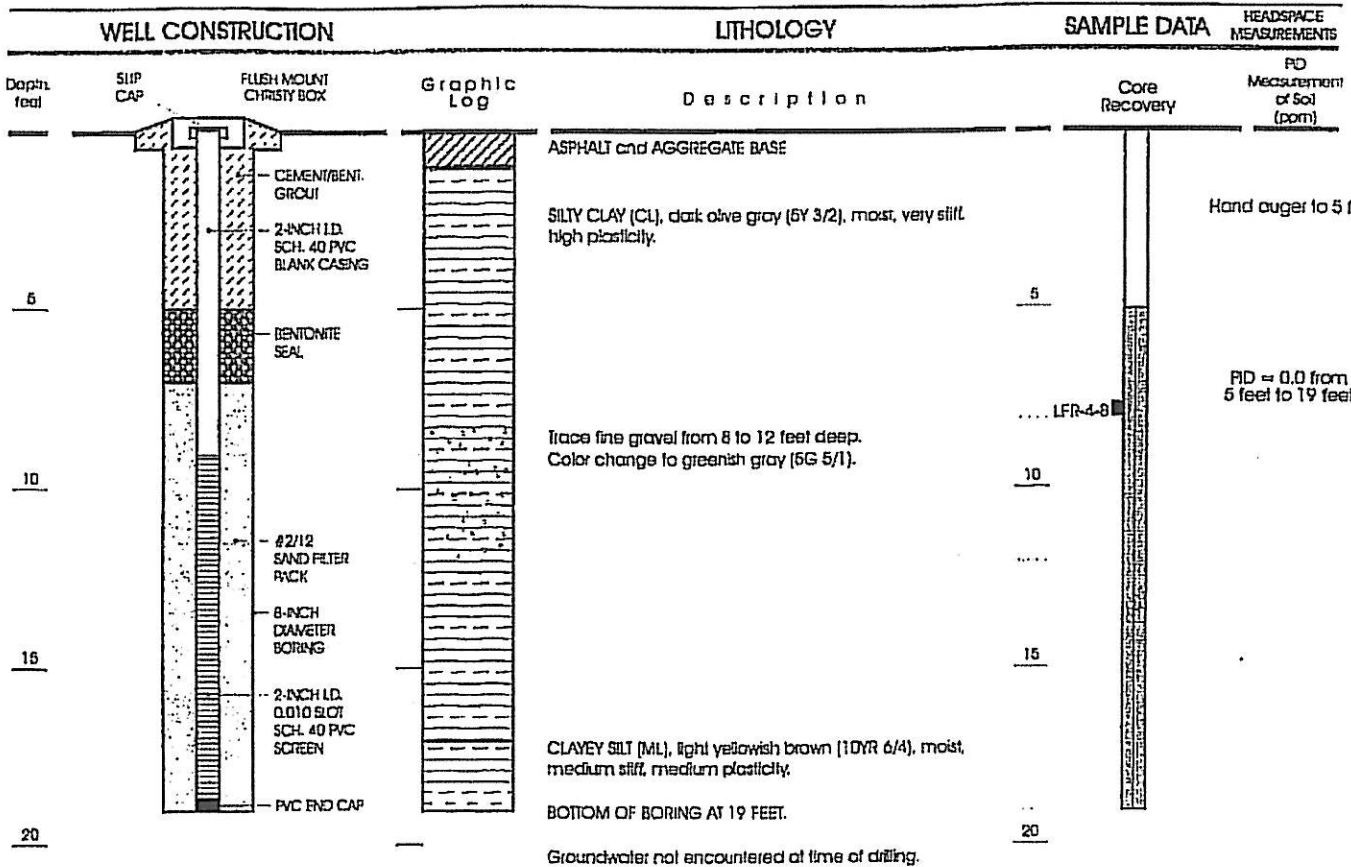
BORING NO. B12

PROJECT NAME: Depper
 ADDRESS: 3815 Broadway, Oakland, California
 FIELD GEOLOGIST: Frank Goldman
 DRILLING COMPANY: Precision
 DRILLING METHOD:
 BORING DIAMETER: 2.5"

PROJECT NO.
 DATE: 08/22/97
 SAMPLER:
 TOTAL DEPTH: 20'



DEPTH	SAMPLE RECOVERY	BLOW COUNT	PID [ppm]	BORING CONSTR.	LITHOLOGIC LOG	USCS SYMBOLS	LITHOLOGIC DESCRIPTION Description, Grain Size, Sorting, Color, Moisture, Mechanical Properties
0						SW	Gravel, coarse, medium dense, gray, slightly moist; no odor. No core recovery to 4 feet. Used 1" macrocore sampler.
4						CL	Silty clay, reddish brown, firm to stiff, moist; no odor.
10						CL	No odor.
15						SW	No odor. Sand, medium to coarse grained, dark gray, dense, wet; strong diesel odor.
20							No odor.
End of boring at 20 feet. Groundwater encountered at 15'. Boring converted into a well.							
25							
30							
35							
40							



Well Permit No. W00-446
 Date Well Drilled: July 28, 2000
 Drilling Company: Gregg Drilling
 Driller: Trevor
 Drill Rig: Mari M5-T (Rhino) Hollow Stem Auger
 Sampling Method: Hydraulic, continuous core
 LFR Geologist: Dan Foster

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

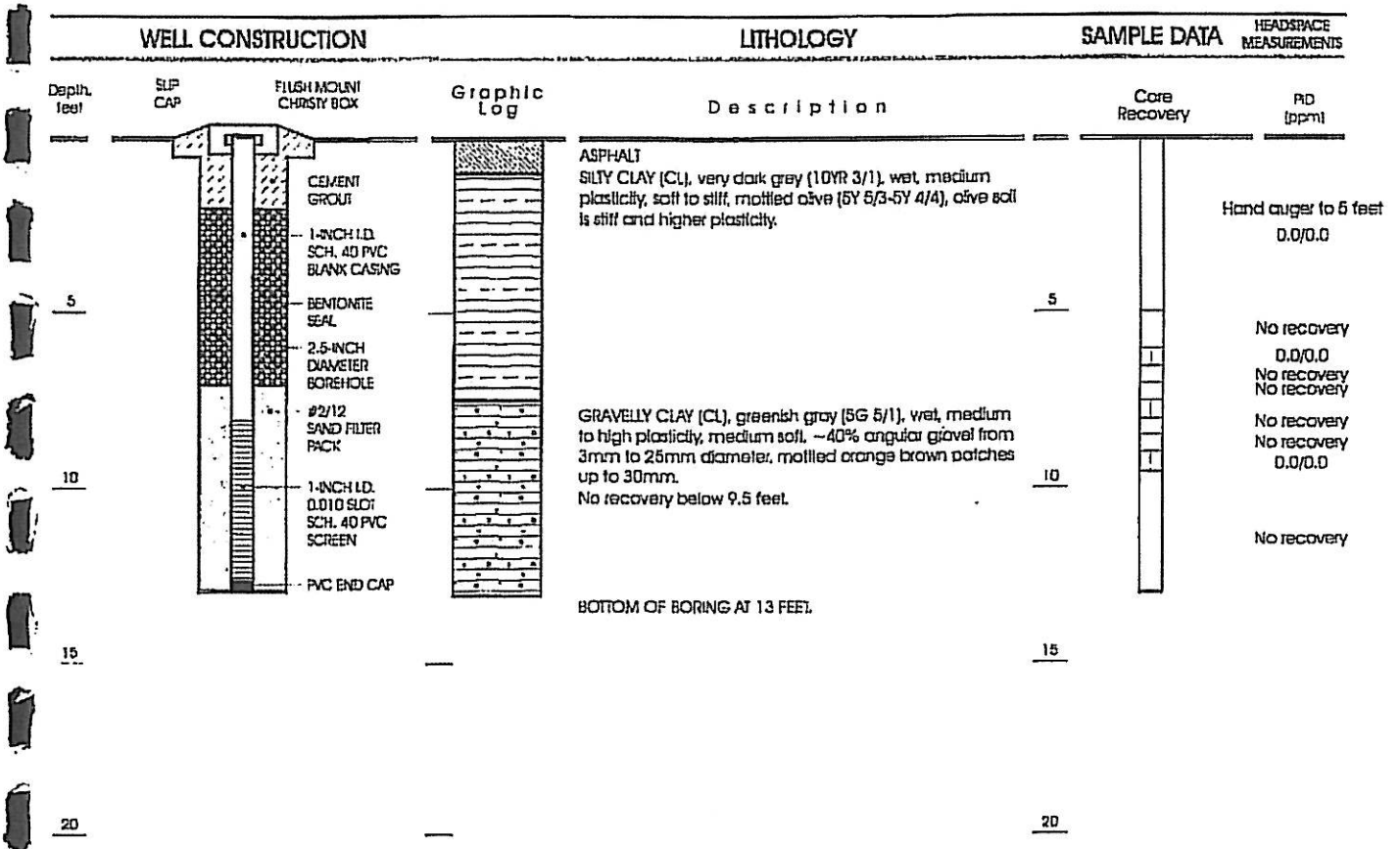


Interval sampled using continuous core barrel

— Soil sample collected for analysis

Approved by: *[Signature]*

CONSTRUCTION AND LITHOLOGY FOR LFR-4



Well Permit No. 99WR341
 Date Well Drilled: July 15, 1999
 Drilling Company: Precision
 Driller: Ken Perez
 Drilling Method: Direct push
 Sampling Method: Hydraulic, continuous core
 LFR Geologist: Jim Burke

EXPLANATION

	Clay		Interval sampled using continuous core barrel
	Silt		
	Sand		
	Gravel		

Approved by: *Taylor Burnett* R.G.#6595

CONSTRUCTION AND LITHOLOGY FOR GW-5



FORMER GLOVATORIUM

WELL CONSTRUCTION		LITHOLOGY		SAMPLE DATA	HEADSPACE MEASUREMENTS
Depth feet	Graphic Log	Description	Core Recovery	FD (perm)	
5	2.5-INCH DIAMETER BORING BORING BACKFILLED WITH CEMENT GROUT	ASPHALT			
		CLAYEY SILT (ML), black to brown (10YR 4/1-10YR 5/6), damp, firm, low plasticity, trace wood and gravel		6	0.00
		Fragment of terra cotta at 7 feet.			0.00
10		SILTY CLAY (CL), black (10YR 4/1), wet, soft, low plasticity.		10	0.00
		BOTTOM OF BORING AT 12 FEET.			0.00
15					
20					

Well Permit No. 99WR341
 Date Well Drilled: July 16, 1999
 Drilling Company: Precision
 Driller: Ken Perez
 Drilling Method: Direct push
 Sampling Method: Hydraulic, continuous core
 LFR Geologist: Chris Voci

- EXPLANATION
- Clay
 - Silt
 - Sand
 - Gravel

Interval sampled using continuous core barrel
 Soil sample collected for analysis

Approved by: *Taylor Bennett R.G.#B595*

CONSTRUCTION AND LITHOLOGY FOR GW-5A



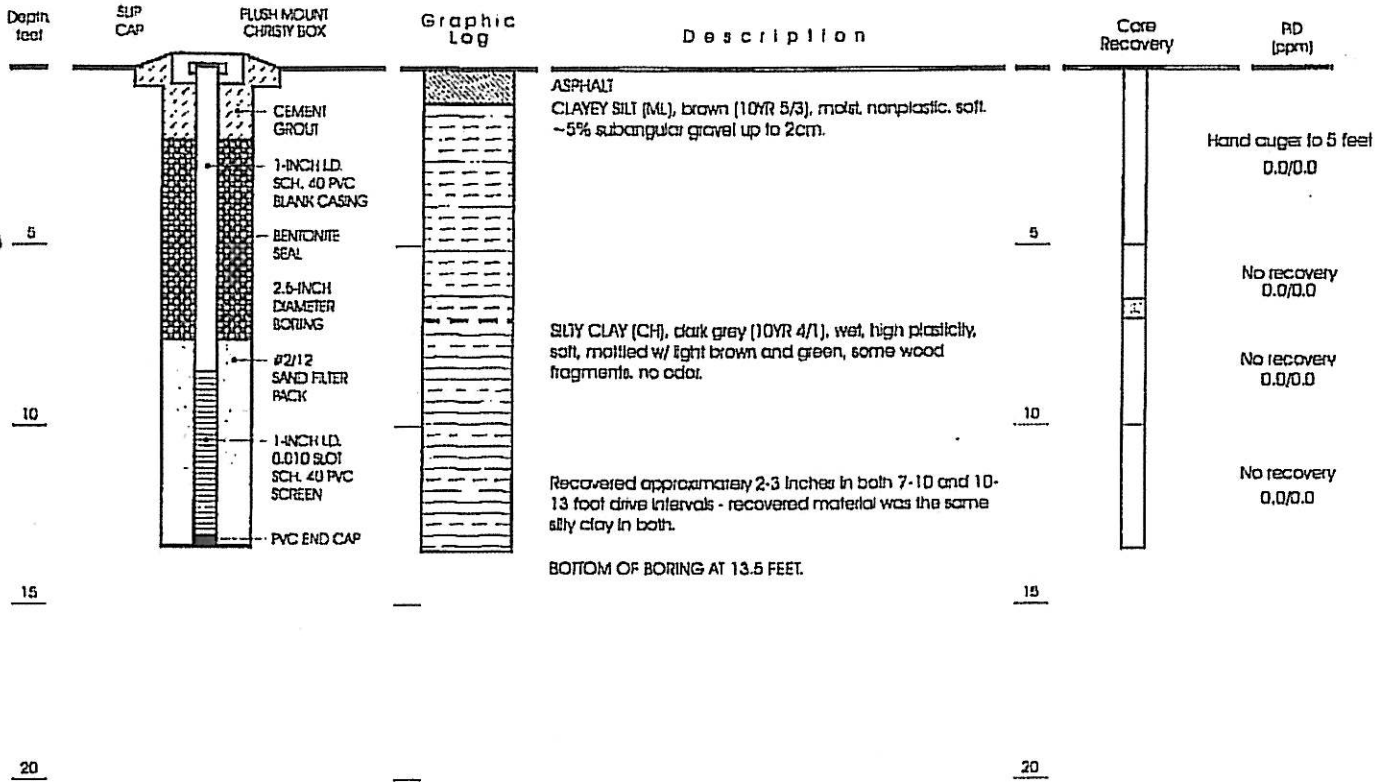
FORMER GLOVATORIUM

WELL CONSTRUCTION

LITHOLOGY

SAMPLE DATA

HEADSPACE MEASUREMENTS



Well Permit No. 99WR341
 Date Well Drilled: July 16, 1999
 Drilling Company: Precision
 Driller: Ken Perez
 Drilling Method: Direct push
 Sampling Method: Hydraulic, continuous core
 LFR Geologist: Jim Burke

EXPLANATION

- Clay
- Silt
- Sand
- Gravel

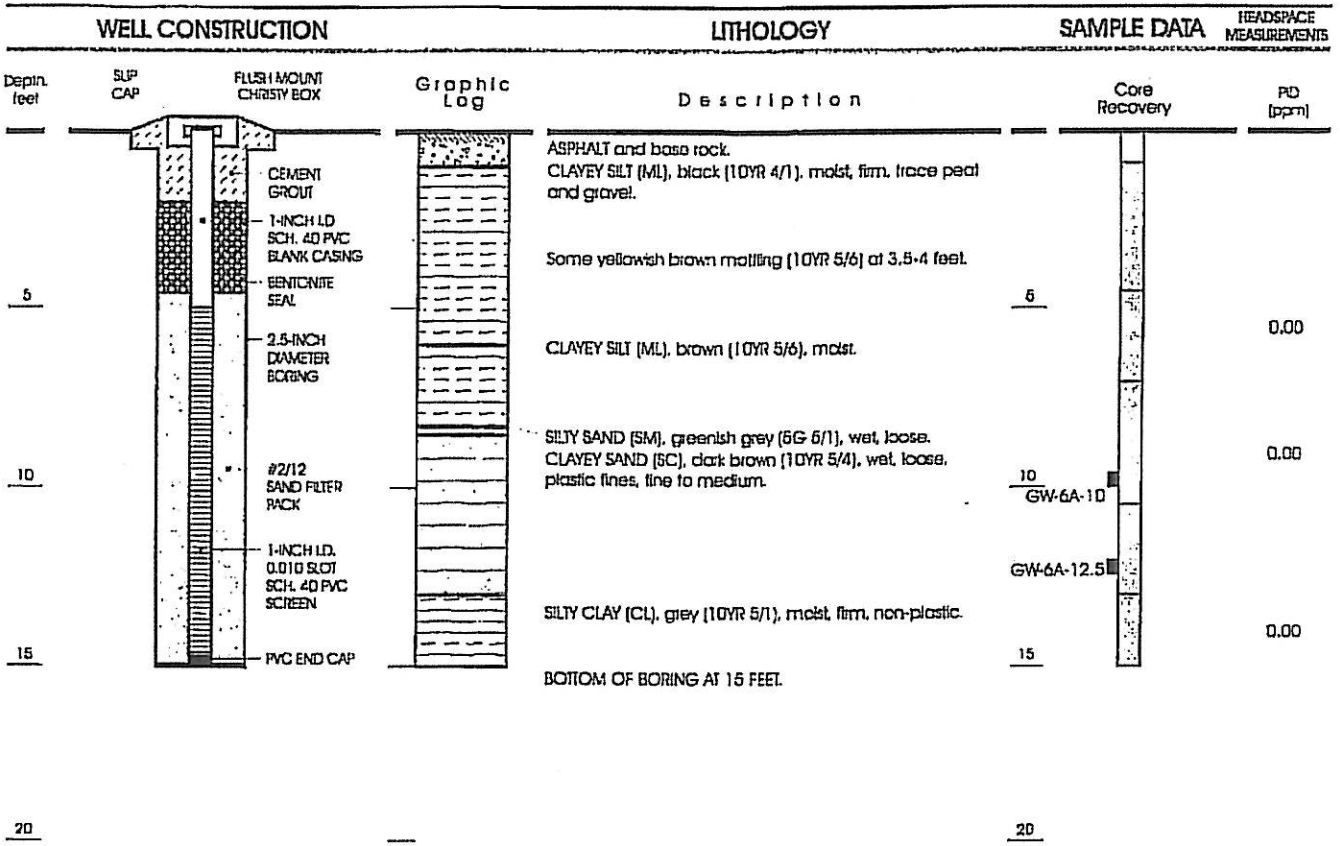
Interval sampled using continuous core barrel

Approved by: *Taylor Bennett* R.G.#6595

CONSTRUCTION AND LITHOLOGY FOR GW-6



FORMER GLOVATORIUM



Well Permit No. 99WR341
 Date Well Drilled: July 16, 1999
 Drilling Company: Precision
 Driller: Ken Perez
 Drilling Method: Direct push
 Sampling Method: Hydraulic, continuous core
 LFR Geologist: Chris Voel

- EXPLANATION
- Clay
 - Silt
 - Sand
 - Gravel

Interval sampled using continuous core barrel
 Soil sample collected for analysis

Approved by: *Taylor Bennett* R.G.#6595

CONSTRUCTION AND LITHOLOGY FOR GW-6A



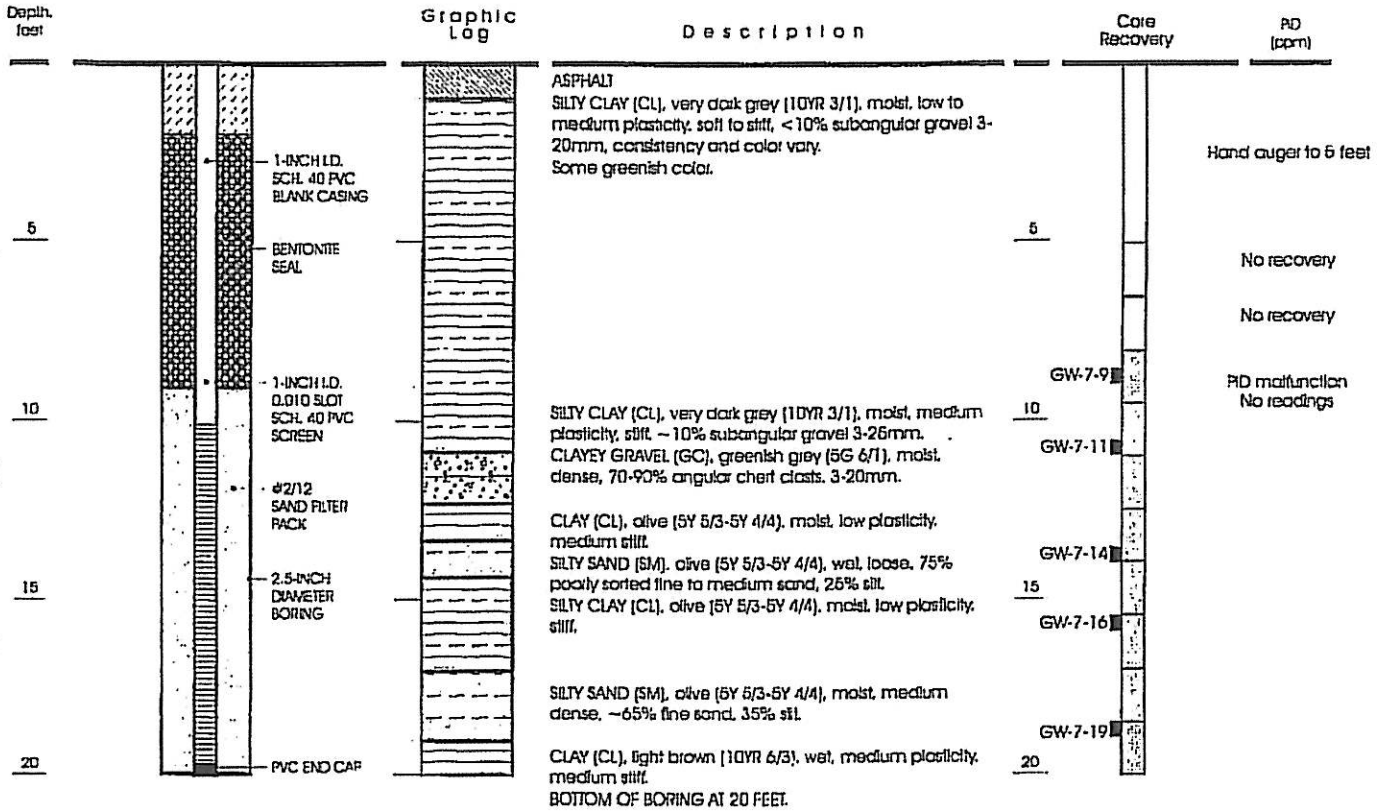
FORMER GLOVATORIUM

WELL CONSTRUCTION

LITHOLOGY

SAMPLE DATA







HEADSPACE MEASUREMENTS



NOTE:
A GRAB GROUNDWATER SAMPLE WAS COLLECTED ON JULY 15, 1999. THE PVC CASING AND SCREEN WERE THEN REMOVED AND THE BORING WAS BACKFILLED WITH CEMENT GROUT FROM THE BOTTOM TO THE GROUND SURFACE

Well Permit No. 99WR341
 Date Well Drilled: July 15, 1999
 Drilling Company: Precision
 Driller: Ken Perez
 Drilling Method: Direct push
 Sampling Method: Hydraulic, continuous core
 LFR Geologist: Jim Burke

EXPLANATION

-  Clay
-  Silt
-  Sand
-  Gravel
-  Interval sampled using continuous core barrel
-  Soil sample collected for analysis

Approved by: *Taylor Bennett* R.G.#6595

CONSTRUCTION AND LITHOLOGY FOR GW-7



FORMER GLOVATORIUM

Table 1
Construction Data for Temporary Sampling Points and Monitoring Wells
Former Glovatorium
3815 Broadway, Oakland, California

Location	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Depth (ft bgs)	Screened Interval Depth (ft bgs)	Screened Interval Elevation (ft msl)	Notes
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Temporary sampling points installed by GeoSolv, LLC:

B-2	19-Aug-97	82.20	82.09	21	5 to 21	77.2 to 61.2	
B-3	19-Aug-97	82.60	82.57	18	5 to 18	77.6 to 64.6	(1)
B-7	20-Aug-97	77.33	76.96	17.5	5 to 17.5	72.3 to 59.8	
B-8	20-Aug-97	82.06	81.82	24	9 to 24	73.1 to 58.1	
B-9	21-Aug-97	77.57	77.37	19.5	4.5 to 19.5	73.1 to 58.1	
B-10	21-Aug-97	81.65	81.50	19	4 to 19	77.7 to 62.7	
B-13	22-Aug-97	85.12	84.58	20	5 to 20	80.1 to 65.1	

Temporary sampling points installed by LFR:

GW-1	16-Jul-99	80.24	79.94	8	3 to 8	77.2 to 72.2	
GW-2	16-Jul-99	79.44	79.14	20	10 to 20	69.4 to 59.4	
GW-3	15-Jul-99	78.48	77.92	20	10 to 20	68.5 to 58.5	
GW-4	16-Jul-99	82.55	82.37	12	7 to 12	75.6 to 70.6	
GW-5	15-Jul-99	81.31	81.01	13	8 to 13	73.3 to 68.3	
GW-6	15-Jul-99	81.91	81.65	13.5	7.5 to 13.5	74.4 to 68.4	(2)
GW-6A	16-Jul-99	81.93	81.61	15	5 to 15	76.9 to 66.9	
GW-7	15-Jul-99	81.3	NS	20	10 to 20	71.3 to 61.3	(2)
GW-8	16-Jul-99	80.28	80.10	20	10 to 20	70.3 to 60.3	(2)

Groundwater Monitoring Wells Installed by Tosco:

MW-8	unknown	NS	87.44	unknown	unknown	unknown	
MW-9	unknown	NS	86.56	unknown	unknown	unknown	
MW-11	unknown	NS	84.13	unknown	unknown	unknown	

Groundwater Monitoring Wells Installed by LFR:

LFR-1	28-Jul-00	NS	79.97	19	9 to 19		
LFR-2	27-Jul-00	NS	81.89	19	9 to 19		
LFR-3	27-Jul-00	NS	77.96	22	12 to 22		
LFR-4	28-Jul-00	NS	81.65	19	9 to 19		

Notes:

- (1) Top of casing surveyed on south side on January 21, 2000, because the casing was broken.
(2) GW-7 was abandoned on July 15, 1999, in accordance with LFR's work plan dated May 6, 1999, and GW-6 and GW-8 were abandoned on July 26, 2000, in accordance with LFR's work plan dated June 14, 2000.

ft msl = feet above mean sea level
ft bgs = feet below ground surface
NS = Not surveyed.

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)





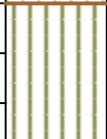

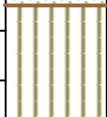


T.O.C. TO SCREEN: N/A

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 greenish-brown; stiff; moist; LEK; fine to coarse-grained sand; slight Petroelum Hydrocarbon (PHC) odor.					
41.1			GP	POORLY GRADED GRAVEL w/sand: Greenish-gray; medium stiff; wet; fine to coarse-grained sand; fine- to medium-grained gravel; PHC odor.					
122.3			CL	Sandy Lean Clay with Gravel: Greenish-gray; medium-stiff; moist; fine- to coarse-grained sand; fine- to medium-grained gravel; PHC odor.					
82.3			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			SW	WELL GRADED SAND: Grayish-green; soft; moist to wet; fine-grained sand; PHC odor.					
35.7			ML	SILT: Grayish-green; soft; moist to very moist; 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								

▽

TB1-1 @ 18 ft

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.					
	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)





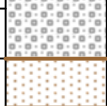
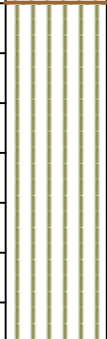

T.O.C. TO SCREEN: N/A

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								
54.4	10		CL	LEAN CLAY w/sand: Dark greenish-brown; stiff; moist; LEK; fine- to coarse-grained sand; slight Petroleum Hydrocarbon (PHC) odor.					
45.6			GP	POORLY GRADED GRAVEL w/sand: Greenish-gray; medium stiff; wet; fine to coarse-grained sand; fine- to coarse-grained gravel; PHC odor.					
342	15								
294			SP	POORLY GRADED SAND: Grayish-green; medium dense; very moist to wet; fine- to medium-grained sand; slight PHC odor.					
278			ML	SILT: Grayish-green; medium stiff; moist; slight PHC odor.					
272	20			Becomes wet from 20-22 ft.					
5.5									
4.7	25		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.					
	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. Saturated at 12 ft.					
48	10.4			No Recovery					
	15			No Recovery					
	20			No Recovery					
4.7	25		CL	LEAN CLAY: Tan; stiff; moist; LEK; no PHC odor.					

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.					
	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.					
	10								
	15								
	20								
	25								

TB2-2 @ 10 ft

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								

1.9
0.3
3.5
39.5
244.9
7.5

TB3-1 @ 17 ft
TB3-1 @ 14 ft

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:

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 20 ft.
Stablized GW: 18.40 ft.

DRILLING METHOD: Direct Push

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

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLING		GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
					SPLIT SPOON	CORE			
			A/C	3 inches asphalt					
			CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark gray, moist, ~40% fine- to coarse-grained sand, medium dry strength, slow dilatancy, low toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.					
6.6	5		CL-ML	SILTY CLAY: Dark brown, slow dilatancy, medium dry strength, medium toughness, moist, no HCl reaction, soft, medium plasticity, no PHC odor.					
3.1			CL	SANDY LEAN CLAY: Dark brown with orange mottling, ~35% fine- to medium-grained sand, medium dry strength. slow dilatancy, medium toughness, moist, no HCl reaction, firm, medium plasticity, no PHC odor. At 10 ft, PHC odor begins, fine- to coarse-grained sand with some gravel up to 1"					
1.1	10				X				
121.7			ML	SILT: Greenish-gray, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, PHC odor. As above, strong PHC odor, very moist.					
25.1					X				
1139	15								
1353			SW	WELL GRADED SAND: Grayish-green, fine- to medium-grained sand, moist to saturated, PHC odor.					
20					X		▼		
5.2							▼		
2.6	25								

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 20 ft.

Stablized GW: 18.40 ft.

DRILLING METHOD: Direct Push



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

BORING DIAMETER: 3-inch

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
	1.1		CL	LEAN CLAY: Tan, medium dry strength, medium toughness, moist, no HCl reaction, hard, medium plasticity, no PHC odor.					
	30		SC	CLAYEY SAND: Tan, ~70% fine- to medium-grained sand, low dry strength, slow dilatancy, medium tough, very moist, no HCl reaction, hard, low plasticity, no PHC odor.					
	0.7								
	35								
	40								
	45								
	50								

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/9/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 21 ft.
Stablized GW: 19 ft.

DRILLING METHOD: Direct Push

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

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			A/C	8 inches of concrete				
13.1	5		CL	Hand auger to 5 ft. SANDY LEAN CLAY with gravel (FILL): Dark brown, ~40% fine- to coarse-grained sand, gravel up to 2.5 in., medium dry strength, slow dilatancy, low toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor. Becomes black at 3.5 ft.				
3.8	5		CL-ML	SILTY CLAY: Dark brown, slow dilatancy, medium dry strength, medium toughness, moist, no HCl reaction, very soft, medium plasticity, no PHC odor.				
8.2	10		CL	SANDY LEAN CLAY: Brown with orange mottling, ~40% fine- to coarse-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, medium plasticity, no PHC odor. As above; greenish-brown, slight PHC odor.				
155.6	15		SW	WELL GRADED SAND: Grayish-green, fine- to medium-grained sand, moist, slight PHC odor.	X			
4.2			ML	SILT: Light brownish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, PHC odor.	X			
			SP	POORLY GRADED SAND: Light brownish-green, fine-grained sand, very moist, no PHC odor.				
6.4	20		ML	SILT: Light brownish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, PHC odor.		▼		
			SP	POORLY GRADED SAND: Light brownish-green, fine- to medium-grained sand, wet, no PHC odor.				
4.4			ML	SILT: Light brownish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, PHC odor.	X	▼		
	25		ML	SILT: Light brownish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, PHC odor.				

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/9/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 21 ft.

Stablized GW: 19 ft.

DRILLING METHOD: Direct Push



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

BORING DIAMETER: 3-inch

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
	3.8		SP	POORLY GRADED SAND: Light brownish-green, fine-grained sand, very moist, no PHC odor.					
	7.1		CL	LEAN CLAY: Light brown, medium dry strength, low dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, no PHC odor.		X			
	30								
	35								
	40								
	45								
	50								

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16 ft.
Stablized GW: 19.80 ft.

DRILLING METHOD: Direct Push





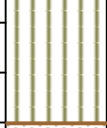


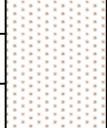


T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			A/C	3 inches asphalt				
			CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~40% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.				
1.1	5		CL	SANDY LEAN CLAY: Dark brown, ~40% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no PHC odor.				
2.1	10			As above, with gravel up to 1/2-inch and fine- to coarse-grained sand.				
0.2	15		ML	SILT: Light greyish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, hard, non-plastic, PHC odor.	X			
0.7	20		SW	WELL GRADED SAND: Grayish-green, fine- to medium-grained sand, wet, PHC odor.	X	▽		
10.7	25		ML	SILT: Light greyish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, hard, non-plastic; PHC odor.	X			
2.1	30		SW	WELL GRADED SAND: Grayish-green, fine- to medium-grained sand, wet to saturated, PHC odor.		▽		
0.0	35		ML	SILT: Light greyish-green, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, hard, non-plastic, PHC odor.				
	40		SW	WELL GRADED SAND: Grayish-green, fine- to medium-grained sand, saturated, PHC odor.				

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16 ft.

Stablized GW: 19.80 ft.

DRILLING METHOD: Direct Push



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

BORING DIAMETER: 3-inch

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
	0.3		CL	CLAY: Tan, medium dry strength, low dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, no PHC odor.					
	30								
	0.7								
	35								
	40								
	45								
	50								

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/9/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16 ft.
Stablized GW: 16.70 ft.

DRILLING METHOD: Direct Push









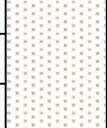

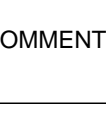
T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			A/C	3 inches asphalt				
			CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~35% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.				
	5		CL	SANDY LEAN CLAY: Dark brown, ~35% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no PHC odor.				
	384			As above, medium PHC odor begins at 8 ft	X			
	10			As above: strong PHC odor begins at 11 ft, with gravel up to 1 in. from 12-12.5 ft.	X			
	335		ML	SANDY SILT: Green, ~35% fine- to medium-grained sand, low dry strength, slow dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, strong PHC odor.	X			
	284		SP	POORLY GRADED SAND: Greyish-green, fine-grained sand, wet, slight PHC odor.		▽		
	24.4		ML	SILT: Gray-green, low dry strength, slow dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, slight PHC odor.		▽		
	21		SP	POORLY GRADED SAND: Green, fine-grained sand, saturated, slight PHC odor.	X			
	9.5		ML	SILT: Tan, low dry strength, slow dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, no PHC odor.				
	15.3		CL	LEAN CLAY: Tan, medium dry strength, low dilatancy, high toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.				
	25							

COMMENTS: Refusal at 27 ft.

PROJECT: 2722

DATE DRILLED: 8/9/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16 ft.
Stablized GW: 16.70 ft.

DRILLING METHOD: Direct Push


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

BORING DIAMETER: 3-inch

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
9.5			CL	LEAN CLAY: Tan, medium dry strength, low dilatancy, high toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.					
	30								
	35								
	40								
	45								
	50								

COMMENTS: Refusal at 27 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 24.00 ft.
Stablized GW: 20.50 ft.

DRILLING METHOD: Direct Push





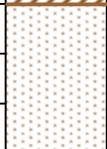
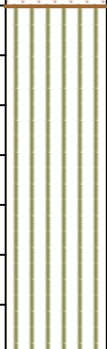

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0.0		A/C	3 inches asphalt				
	0.0		CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~40% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.				
	5		CL	SANDY LEAN CLAY: Dark brown, ~40% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no PHC odor.				
	10			As above; some gravel up to 1/2 inch @ 11 ft, greenish color; PHC odor.				
	15		SW	WELL GRADED SAND: Greenish, fine- to medium-grained sand, moist, slight PHC odor.	X			
	20		ML	SILT: Light brownish-green, low dry strength, slow dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, slight PHC odor. As above: moist to very moist, no PHC odor.	X			
	25		SW	WELL GRADED SAND: Greenish, fine- to medium-grained sand, moist, becomes wet at 24 ft, no PHC odor.	X	▼		

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 24.00 ft.
Stablized GW: 20.50 ft.

DRILLING METHOD: Direct Push



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

BORING DIAMETER: 3-inch

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
0.0	0.0		ML	SILT: Light brownish-green, low dry strength, slow dilatancy, low toughness, moist, no HCl reaction, soft, non-plastic, no PHC odor.					
0.0	30		CL	LEAN CLAY: Tan, medium dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.					
	35								
	40								
	45								
	50								

COMMENTS: TD at 30 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16 ft.
Stablized GW: 21.80 ft.

DRILLING METHOD: Direct Push






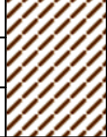
T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

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
			A/C	5 inches concrete					
			CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~40% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.					
1.0	5								
0.1									
2.1	10								
0.9				As above: ~35% fine- to coarse-grained sand, some gravel up to 1/2 inch.					
15									
0.7			SW	WELL GRADED SAND: Tan, fine- to medium-grained sand, very moist to wet, no PHC odor.		X			
1.6			ML	SILT: Tan, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, no PHC odor.					
20			SW	WELL GRADED SAND: Tan, fine- to medium-grained sand, wet, no PHC odor.					
0.0			CL	LEAN CLAY: Tan, medium dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.					
0.7	25								

COMMENTS: Refusal at 27 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16 ft.
Stablized GW: 21.80 ft.

DRILLING METHOD: Direct Push

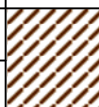

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

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
	0.4		CL	LEAN CLAY: Tan, medium dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.					
	30								
	35								
	40								
	45								
	50								

COMMENTS: Refusal at 27 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16.00 ft.
Stablized GW: 15.20 ft.

DRILLING METHOD: Direct Push



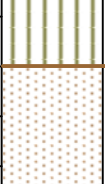

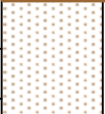


T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

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
	0.6		CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~40% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.				
	2.1		ML	SILT: Tan, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, no PHC odor.		X		
	4.1		SW	WELL GRADED SAND: Tan, fine- to medium-grained sand, very moist to wet, no PHC odor.		X		
	10		ML	SILT: Tan, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, no PHC odor.				
	15		SW	WELL GRADED SAND: Tan, fine- to medium-grained sand, very moist to wet, no PHC odor.				
	20		ML	SILT: Tan, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, no PHC odor.				
	25		CL	LEAN CLAY: Tan, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.				

COMMENTS: Refusal at 27 ft.

PROJECT: 2722

DATE DRILLED: 8/10/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Fisch Drilling

First Encountered GW: 16.00 ft.
Stablized GW: 15.20 ft.

DRILLING METHOD: Direct Push



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

BORING DIAMETER: 3-inch

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
	1.9		CL	LEAN CLAY: Tan, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plastic, no PHC odor.					
	30								
	35								
	40								
	45								
	50								

COMMENTS: Refusal at 27 ft.

PROJECT: 2722

DATE DRILLED: 8/12/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Vironex, Inc.

First Encountered GW: N/A
Stablized GW: 19.00 ft. (estimate)

DRILLING METHOD: Direct Push






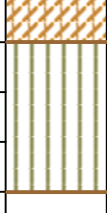
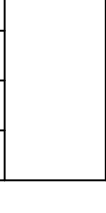

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			A/C	4 inches concrete				
	0.7		CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~35% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.				
	5			As above: Color change to greenish-brown, PHC odor.				
	807			As above: strong PHC odor.				
	999		CL-ML	SILTY CLAY: Greenish-gray, medium dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, strong PHC odor.				
	15		ML	SILT: Greenish-gray, low dry strength, fast dilatancy, low toughness, moist, no HCl reaction, hard, non-plastic, PHC odor.				
	39.1		CL-ML	SILTY CLAY: Greenish-gray, medium dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, strong PHC odor.				
	15.1		ML	SILT: Greenish-gray, low dry strength, fast dilatancy, low toughness, moist, no HCl reaction, hard, non-plastic, PHC odor.				
	977							
	20							
	2.1							
	25							

COMMENTS: Refusal at 21.00 ft; Used hydropunch to go to 26.00 ft. to get water sample.

PROJECT: 2722

DATE DRILLED: 8/12/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Vironex, Inc.

First Encountered GW: 22 ft.
Stablized GW: 21.00 ft. (estimate)

DRILLING METHOD: Direct Push







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

BORING DIAMETER: 3-inch

SCREEN LENGTH: N/A

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			A/C	4 inches concrete				
			CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~35% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.				
4.1	5			As Above: Greenish-brown, PHC odor.	X			
905								
210.5								
180.7	10							
515								
85.4	15		ML	SILT: Greenish-gray, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, PHC odor.	X			
1407			SW	WELL GRADED SAND: Grayish-green, moist, fine- to medium-grained sand, strong PHC odor.	X			
1184	20		ML	SILT: Greenish-gray, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, PHC odor.				
			SW	WELL GRADED SAND: Grayish-green, wet at 22 ft., fine- to medium-grained sand, strong PHC odor.	X	▼		
188						▼		
	25							

COMMENTS: Refusal at 23.00 ft

PROJECT: 2722

DATE DRILLED: 8/12/2010

SITE LOCATION: 316 38th St., Oakland, CA

CASING ELEVATION: N/A

DRILLER: Veronix, Inc.

First Encountered GW: 21.00 ft.
Stablized GW: 20.00 ft. (estimate)

DRILLING METHOD: Direct Push



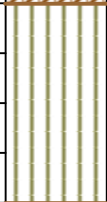

T.O.C. TO SCREEN: N/A

BORING DIAMETER: 3-inch

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
			A/C	4 inches concrete					
	4.8		CL	Hand auger to 5 ft. SANDY LEAN CLAY: Dark brown, ~35% fine- to medium-grained sand, medium dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor.					
	6.2								
	5								
	5.95			As above: greenish-brown, PHC odor starts at 8 ft.		X			
	10								
	6.27			As above: some gravel up to 1 inch.		X			
	48								
	15								
	288					X			
	1.2		ML	SILT: Tan, low dry strength, medium dilatancy, low toughness, moist, no HCl reaction, firm, non-plastic, no PHC odor.					
	20			As above: slight PHC odor at 20.5 ft.			▼		
	108						▼		
	0.7		SW	WELL GRADED SAND: Tan, wet, fine- to medium-grained sand, no PHC odor.					
	25								

COMMENTS: Refusal at 22.00 ft; Used hydropunch to go to 26.00 ft. to get water sample.

Appendix B

Analytical Results

Additional Soil and Groundwater Investigation

SOMA Environmental Engineering, Inc.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 221838
ANALYTICAL REPORT

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2722
Location : 316 38th St., Oakland
Level : II

Table with 2 columns: Sample ID and Lab ID. Lists 14 sample entries from LDP-1 to LDP-1@19FT with corresponding Lab IDs.

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: [Handwritten Signature]
Project Manager

Date: 08/23/2010

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 221838
Client: SOMA Environmental Engineering Inc.
Project: 2722
Location: 316 38th St., Oakland
Request Date: 08/12/10
Samples Received: 08/12/10

This data package contains sample and QC results for eleven soil samples and three water samples, requested for the above referenced project on 08/12/10. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:

LDP-2 (lab # 221838-002) was analyzed with more than 1 mL of headspace in the VOA vial. No other analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:

High surrogate recoveries were observed for bromofluorobenzene (FID) in many samples. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:

LDP-2@18FT (lab # 221838-006), LDP-2@21FT (lab # 221838-007), and LDP-1@15FT (lab # 221838-013) were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:

Low response was observed for ethyl tert-butyl ether (ETBE) in the CCV analyzed 08/18/10 09:16; this analyte met minimum response criteria, and affected data was qualified with "b". Low recovery was observed for isopropyl ether (DIPE) in the MSD for batch 165942; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were detected above the RL in the method blank for batch 165942; these analytes were not detected in the sample at or above the RL. LDP-3 (lab # 221838-003) had multiple vials combined due to sediment. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:

Matrix spikes were not performed for this analysis in batch 166110 because matrix or site history indicated the recoveries would be non-meaningful. High surrogate recoveries were observed for bromofluorobenzene in LDP-2@5FT (lab # 221838-004), LDP-1@6FT (lab # 221838-011), and LDP-1@12FT (lab # 221838-012). A number of samples were diluted due to high hydrocarbons. A number of samples were diluted due to high non-target analytes. No other analytical problems were encountered.

CASE NARRATIVE

Laboratory number: 221838
Client: SOMA Environmental Engineering Inc.
Project: 2722
Location: 316 38th St., Oakland
Request Date: 08/12/10
Samples Received: 08/12/10

Metals (EPA 6010B) Water:

No analytical problems were encountered.

Metals (EPA 6010B) Soil:

High recoveries were observed for lead in the MS/MSD for batch 165931; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was also observed for lead; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.

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

Analyses

C&T LOGIN # 221838

Sampler: **Lizzie Hightower**

Project No: **2722**

Report To: **Joyce Bobek**

Project Name: **316 38th St., Oakland**

Company: **SOMA Environmental**

Turnaround Time: **Standard**

Telephone: **925-734-6400**

Fax: **925-734-6401**

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative			
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE
1	LDP-1	8/12/10 15:40	*			3-40ml VOAs	*			*
	↓	↓	*			3-40ml VOAs	*			*
	↓	↓	*			2-500 mL Ambers				*
	↓	↓	*			1-250 mL Poly			*	*
2	LDP-2	8/12/10 10:45	*			3-40ml VOAs	*			*
	↓	↓	*			3-40ml VOAs	*			*
	↓	↓	*			2-500 mL Ambers				*
	↓	↓	*			1-250 mL Poly			*	*
3	LDP-3	8/12/10 14:11	*			3-40ml VOAs	*			*
	↓	↓	*			3-40ml VOAs	*			*
	↓	↓	*			2-500 mL Ambers				*
	↓	↓	*			1-250 mL Poly			*	*

TPHg (including Stoddard Solvent) 8015	8260 (Full List) with gas ox	TPH-d, Kerosene, method 8015 with silica gel cleanup	Total Lead, method 6010																
*																			
*	*																		
		*																	
			*																
*																			
	*																		
		*																	
*			*																
	*																		
		*																	
			*																
				*															
					*														

Notes:
 EDF Output required
 8260B List to include gasoline oxygenates & lead scavengers, BTEX, MIBE, TBA, PCE, TCE, VC, naphthaline
 total lead field filtered.

RELINQUISHED BY:
E. Hightower 8/12/10 17:11 DATE/TIME

RECEIVED BY:
Pat Murphy 8/12/10 17:11 DATE/TIME

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.

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

C&T LOGIN # 22838

Analyses

Project No: 2722

Sampler: Lizzie Hightower

Project Name: 316 38th St., Oakland

Report To: Joyce Bobek

Turnaround Time: Standard

Company: SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative			
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE
4	LDP-2 @ 5 ft	8/12/10 09:30	*			6" sleeve				*
5	LDP-2 @ 13 ft	8/12/10 09:40	*			↓				*
6	LDP-2 @ 18 ft	8/12/10 09:54	*							*
7	LDP-2 @ 21 ft	8/12/10 10:20	*							*
8	LDP-3 @ 8 ft	8/12/10 11:46	*							*
9	LDP-3 @ 12 ft	8/12/10 11:53	*							*
10	LDP-3 @ 16 ft	8/12/10 12:15	*							*
11	LDP-1 @ 6 ft	8/12/10 14:42	*							*
12	LDP-1 @ 12 ft	8/12/10 14:50	*							*
13	LDP-1 @ 15 ft	8/12/10 14:58	*							*
14	LDP-1 @ 19 ft	8/12/10 15:15	*							*

TPHg (including Stoddard Solvent) 8015	8260 (Full List) with gas ox	TPH-d, Kerosene, method 8015 with silica gel cleanup	Total Lead, method 6010							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							
*	*	*	*							

Notes:
 EDF Output required
 8260B List to include gasoline oxygenates & lead scavengers, BTEX, MIBE, TBA, PCE, TCE, VC, naphthalene
 Total lead field filtered

RELINQUISHED BY:
Lizzie Hightower 8/12/10 17:11 DATE/TIME

RECEIVED BY:
Pat Hough 8/12/10 17:11 DATE/TIME

5 of 118

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 221838 Date Received 8/12/10 Number of coolers 1
Client - SOMA Project 316 38TH ST., OXLEY

Date Opened 8/12/10 By (print) M. Villaverde (sign) [Signature]
Date Logged in [Signature] By (print) [Signature] (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc) YES NO
Shipping info

2A. Were custody seals present? ... YES (circle) on cooler on samples NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)

- Bubble Wrap, Cloth material, Foam blocks, Cardboard, Bags, Styrofoam, None, Paper towels

7. Temperature documentation:

Type of ice used: Wet Blue/Gel None Temp(C)

Samples Received on ice & cold without a temperature blank

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are samples in the appropriate containers for indicated tests? YES NO

11. Are sample labels present, in good condition and complete? YES NO

12. Do the sample labels agree with custody papers? YES NO

13. Was sufficient amount of sample sent for tests requested? YES NO

14. Are the samples appropriately preserved? YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? YES NO N/A

16. Was the client contacted concerning this sample delivery? YES NO
If YES, Who was called? By Date:

COMMENTS

PM CHECK W/ CLIENT TOTAL LEAD WATERS ARE FIELD FILTERED.
SEDIMENT IN FIELD FILTERED METALS POLY.

SOIL SAMPLES SPLIT FOR TVH 48260X

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/12/10
Units:	ug/L	Received:	08/12/10
Batch#:	166031		

Field ID: LDP-1 Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/18/10
 Lab ID: 221838-001

Analyte	Result	RL
Gasoline C7-C12	1,800 Y	50
Stoddard Solvent C7-C12	1,200	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	70-140

Field ID: LDP-2 Lab ID: 221838-002
 Type: SAMPLE Analyzed: 08/18/10

Analyte	Result	RL	Diln Fac
Gasoline C7-C12	380,000 Y	5,000	100.0
Stoddard Solvent C7-C12	24,000 Y	50	1.000

Surrogate	%REC	Limits	Diln Fac
Bromofluorobenzene (FID)	136	70-140	100.0

Field ID: LDP-3 Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/18/10
 Lab ID: 221838-003

Analyte	Result	RL
Gasoline C7-C12	410 Y	50
Stoddard Solvent C7-C12	260	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	115	70-140

Type: BLANK Diln Fac: 1.000
 Lab ID: QC556545 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	70-140

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556548	Batch#:	166031
Matrix:	Water	Analyzed:	08/17/10
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,037	104	73-127

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	70-140

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	166031
MSS Lab ID:	221775-003	Sampled:	08/10/10
Matrix:	Water	Received:	08/10/10
Units:	ug/L	Analyzed:	08/18/10
Diln Fac:	1.000		

Type: MS Lab ID: QC556549

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	659.0	2,000	2,666	100	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	70-140

Type: MSD Lab ID: QC556550

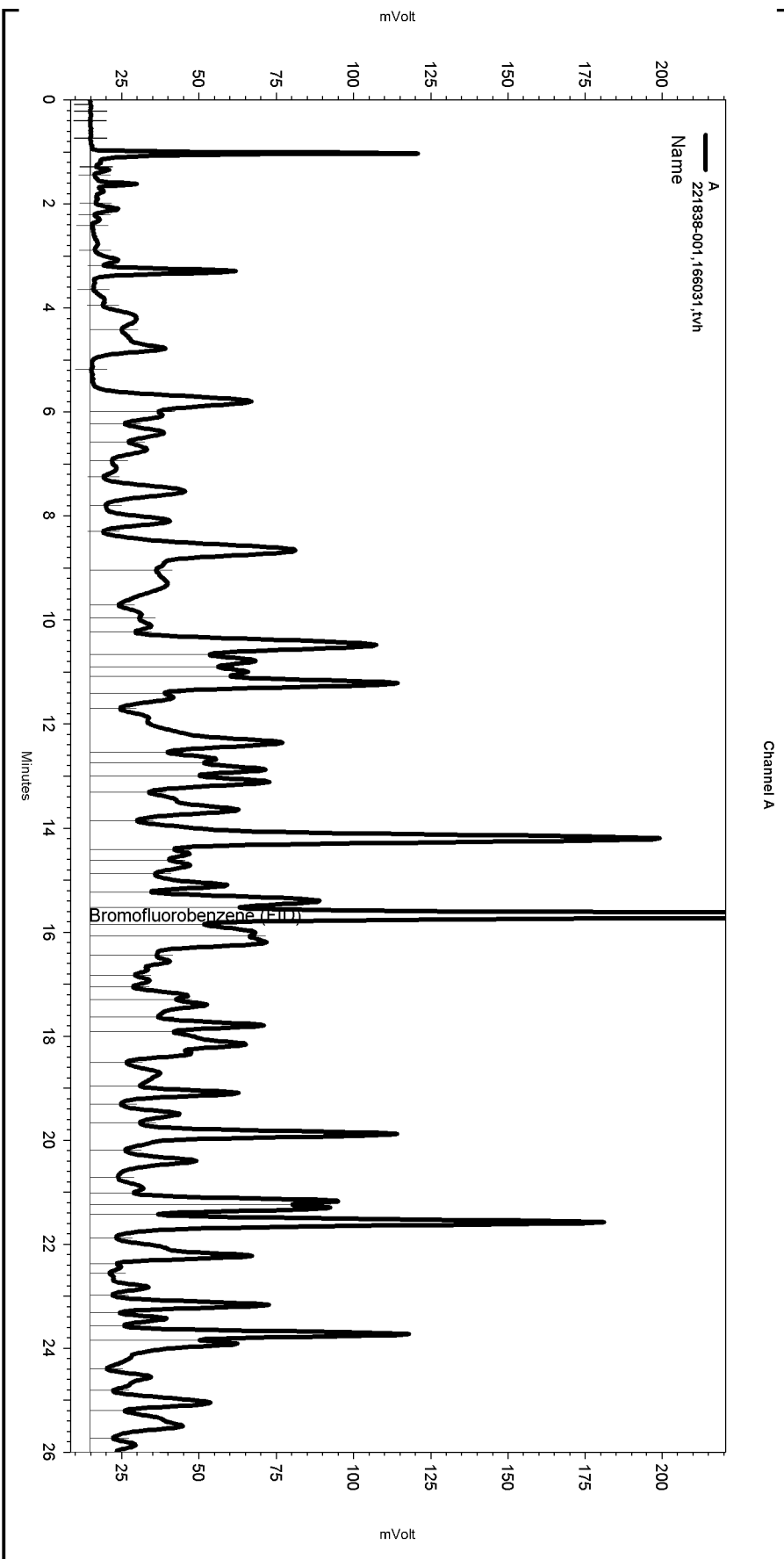
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,590	97	68-120	3	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	70-140

RPD= Relative Percent Difference

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 Vial & pH or Core ID: e2.5,hs<1mL



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Yes	Threshold	0	0	50

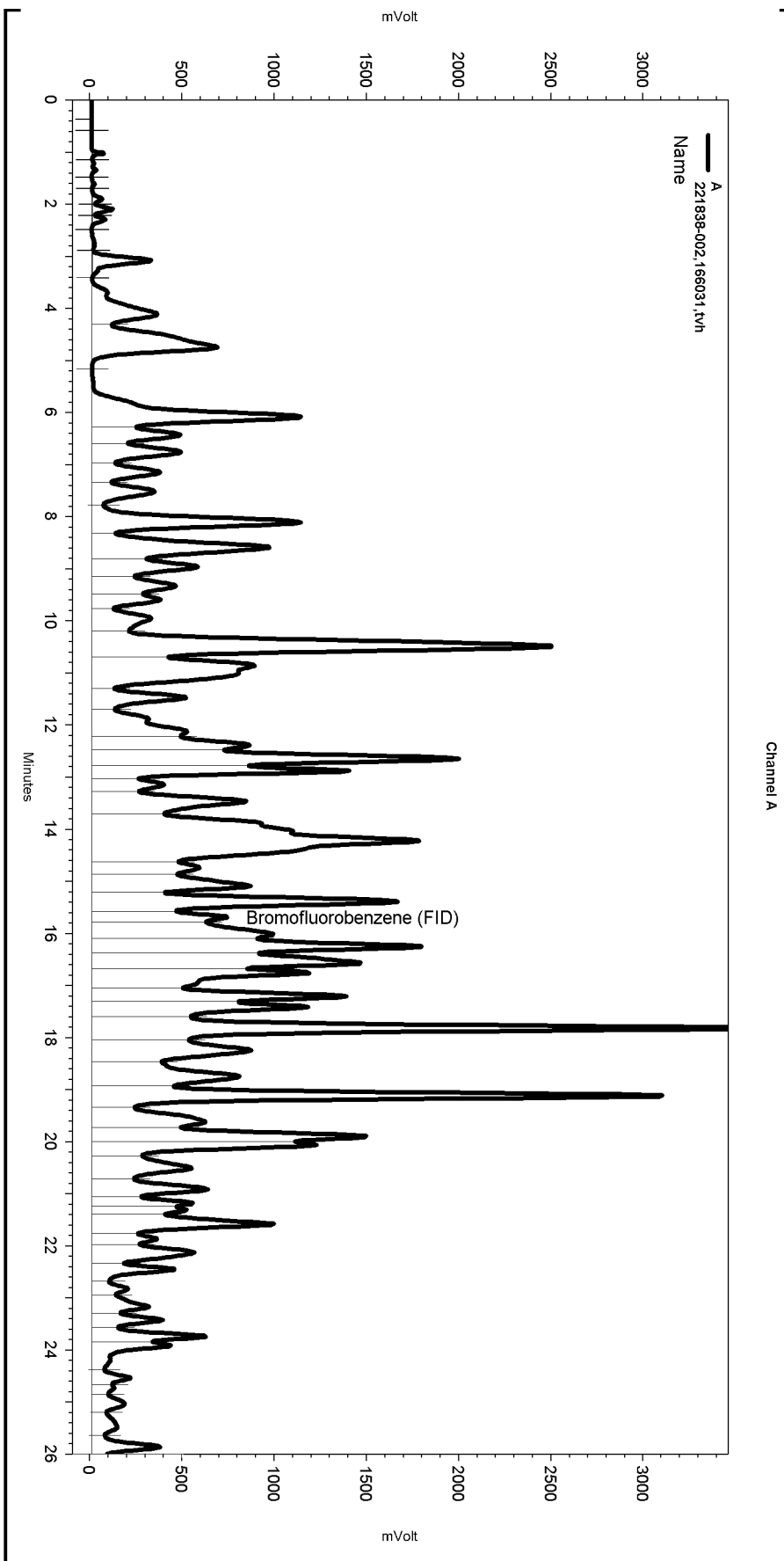
Manual Integration Fixes

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 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\TVH2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\TVHBTX209.met

Software Version 3.1.7
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 Analysis Date: 8/18/2010 2:51:45 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: b2.5,hs>1mL



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Yes	Threshold	0	0	50

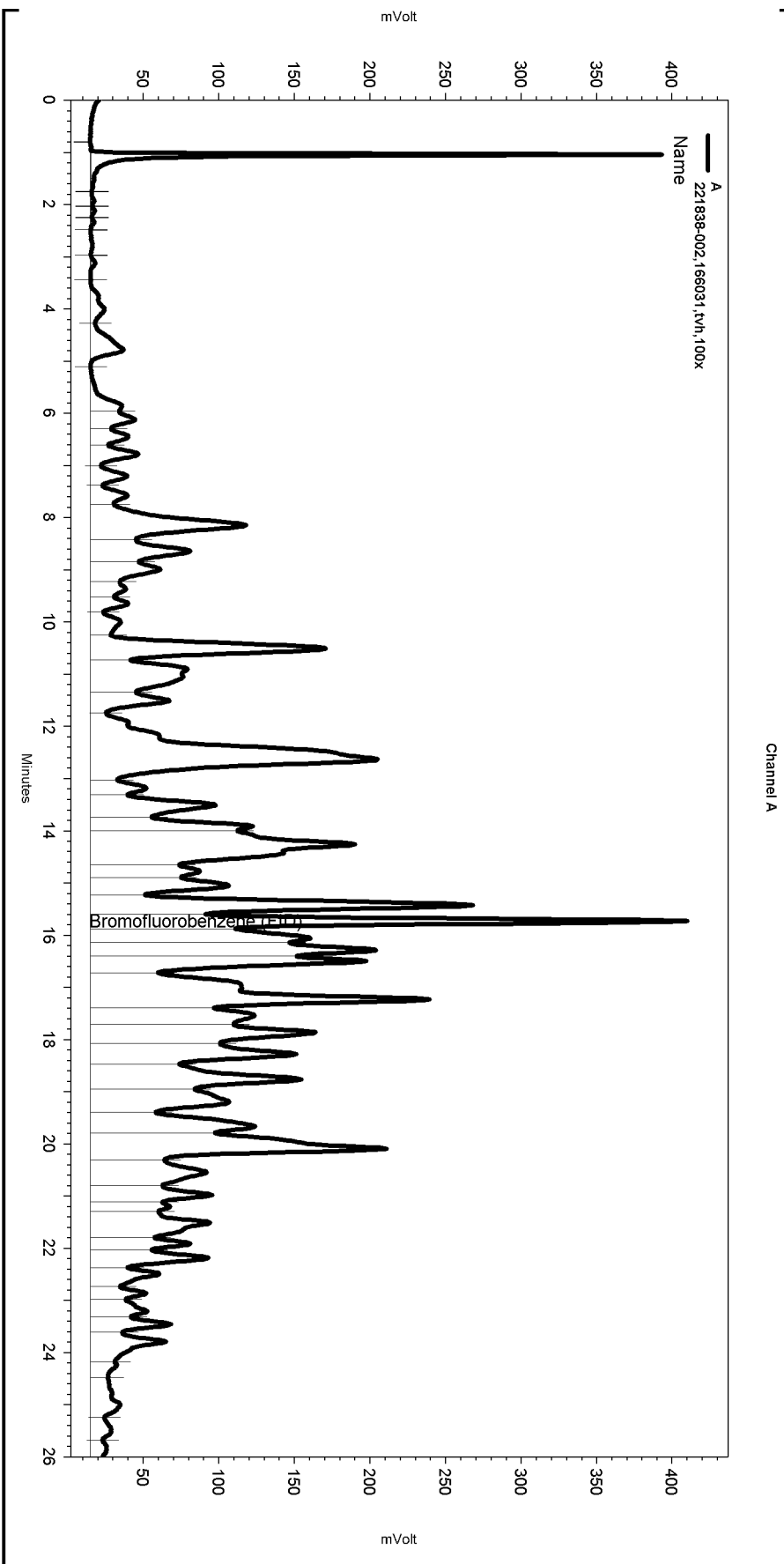
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Yes	Lowest Point Horizontal Baseli	0	26.017	0

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 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\229-036
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Software Version 3.1.7
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 Analysis Date: 8/18/2010 2:54:23 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: f1.0



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Yes	Threshold	0	0	50

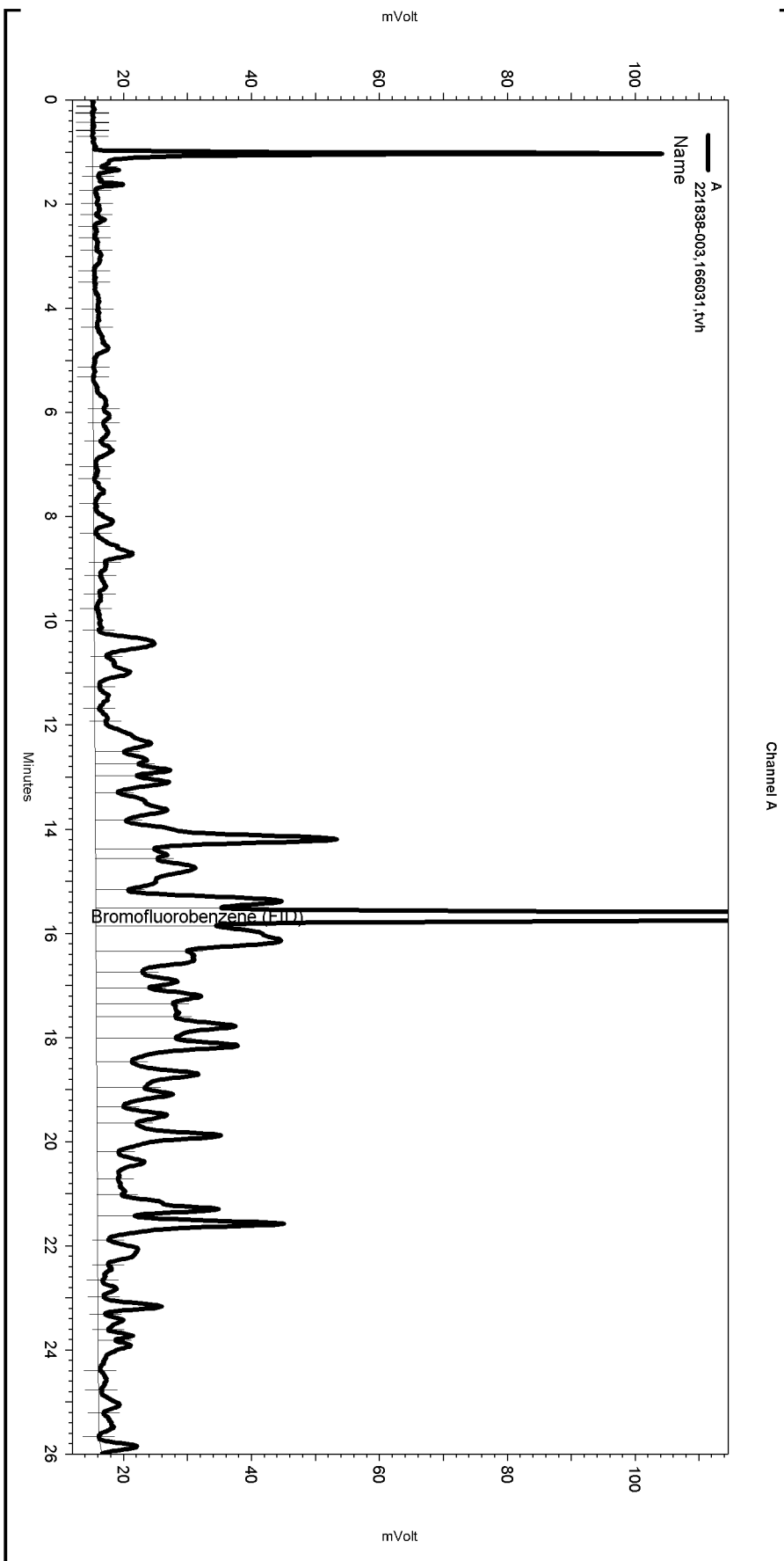
Manual Integration Fixes

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 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\TVH2)
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 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: f2.5



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Integration Events

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Yes	Threshold	0	0	50

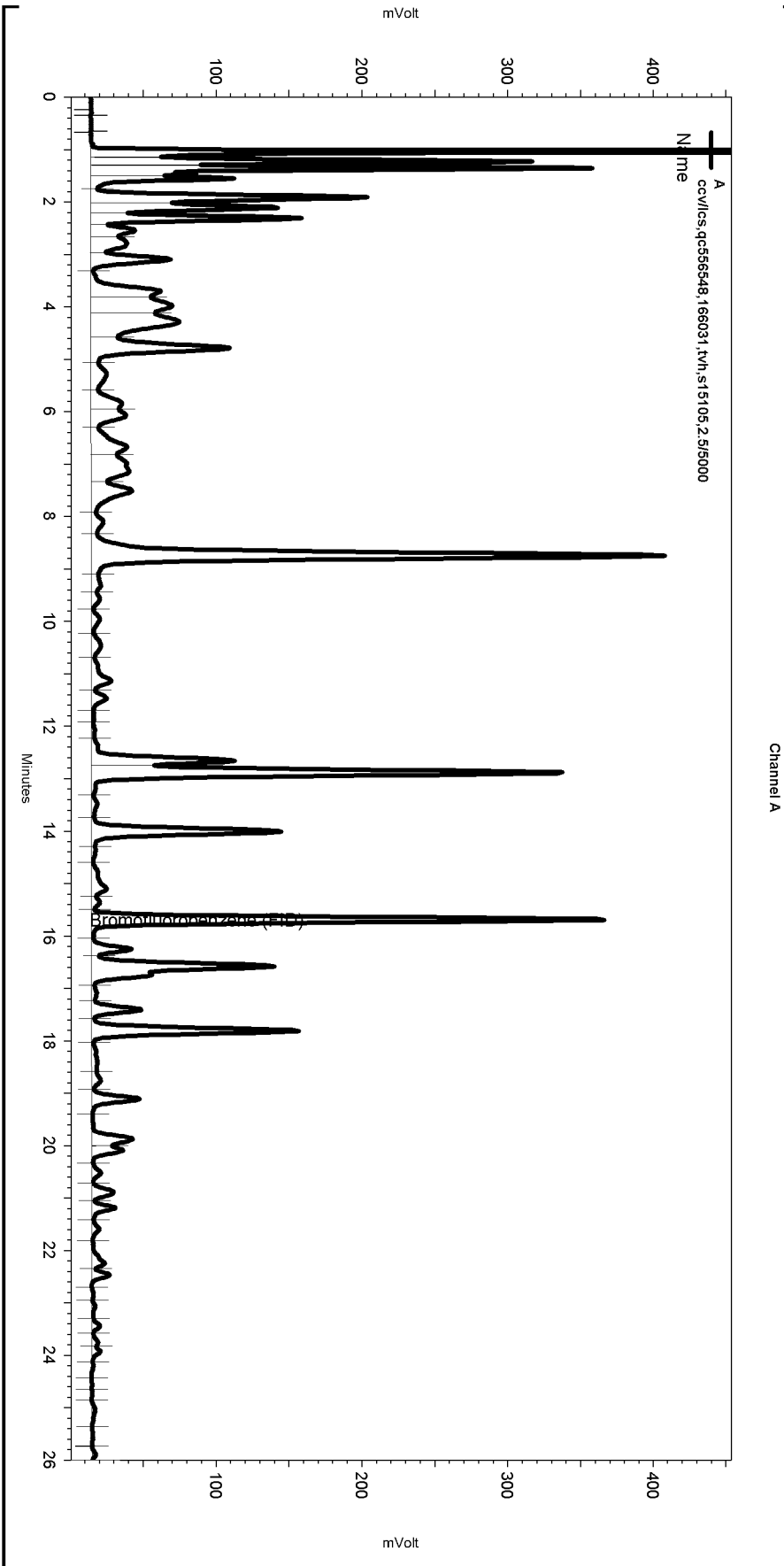
Manual Integration Fixes

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None				

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 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\229-003
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
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 Analysis Date: 8/18/2010 2:48:57 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

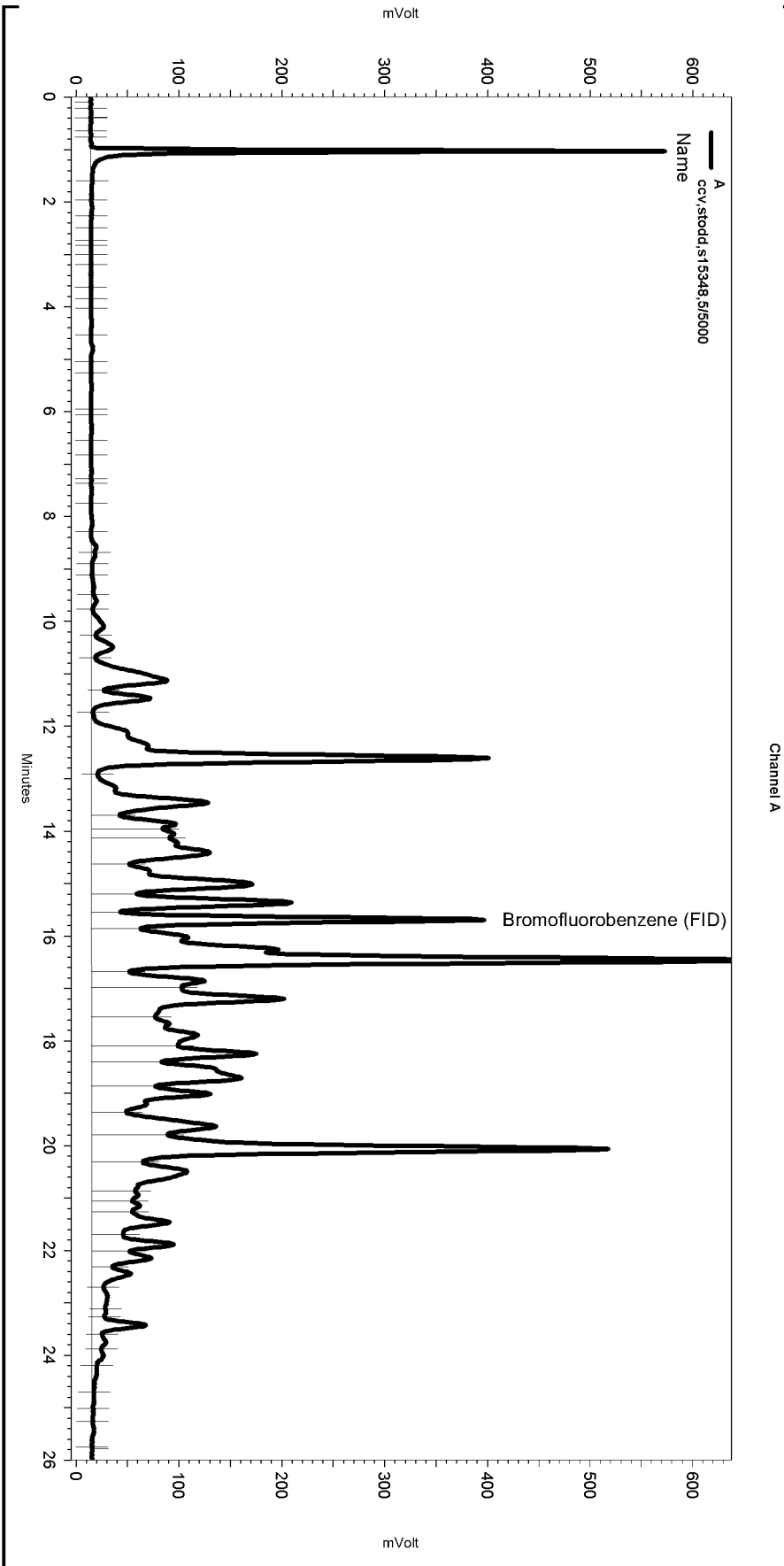
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\229-003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\229.seq
 Sample Name: ccv,stodd,s15348,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\229-007
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\TVHBTX209.met

Software Version 3.1.7
 Run Date: 8/17/2010 7:15:27 PM
 Analysis Date: 8/18/2010 2:49:37 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



 ---< General Method Parameters >-----

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\229-007

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Field ID: LDP-2@5FT Diln Fac: 250.0
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-004 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	780 Y	50
Stoddard Solvent C7-C12	500	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	235 *	57-146

Field ID: LDP-2@13FT Diln Fac: 1.000
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-005 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	11 Y	1.0
Stoddard Solvent C7-C12	7.2	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	202 *	57-146

Field ID: LDP-2@18FT Diln Fac: 500.0
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-006 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	5,800	500
Stoddard Solvent C7-C12	3,700 Y	500

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	141	57-146

Field ID: LDP-2@21FT Diln Fac: 1.000
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-007 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	21	0.99
Stoddard Solvent C7-C12	14 Y	0.99

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	185 *	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Field ID: LDP-3@8FT Diln Fac: 100.0
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-008 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	510 Y	100
Stoddard Solvent C7-C12	320	100

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	149 *	57-146

Field ID: LDP-3@12FT Diln Fac: 1.000
 Type: SAMPLE Batch#: 165972
 Lab ID: 221838-009 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	29 Y	0.93
Stoddard Solvent C7-C12	19	0.93

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	255 *	57-146

Field ID: LDP-3@16FT Diln Fac: 1.000
 Type: SAMPLE Batch#: 165972
 Lab ID: 221838-010 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	ND	0.98
Stoddard Solvent C7-C12	ND	0.98

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

Field ID: LDP-1@6FT Diln Fac: 1.000
 Type: SAMPLE Batch#: 165972
 Lab ID: 221838-011 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	41 Y	0.97
Stoddard Solvent C7-C12	26	0.97

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	233 *	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Field ID: LDP-1@12FT Diln Fac: 100.0
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-012 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	1,500 Y	100
Stoddard Solvent C7-C12	950	100

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	170 *	57-146

Field ID: LDP-1@15FT Diln Fac: 1.000
 Type: SAMPLE Batch#: 165972
 Lab ID: 221838-013 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	5.0 Y	1.0
Stoddard Solvent C7-C12	3.2	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	57-146

Field ID: LDP-1@19FT Diln Fac: 20.00
 Type: SAMPLE Batch#: 166034
 Lab ID: 221838-014 Analyzed: 08/17/10

Analyte	Result	RL
Gasoline C7-C12	750 Y	20
Stoddard Solvent C7-C12	480 Y	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	221 *	57-146

Type: BLANK Diln Fac: 1.000
 Lab ID: QC556315 Batch#: 165972

Analyte	Result	RL	Analyzed
Gasoline C7-C12	ND	1.0	08/16/10
Stoddard Solvent C7-C12	ND	1.0	08/17/10

Surrogate	%REC	Limits	Analyzed
Bromofluorobenzene (FID)	99	57-146	08/16/10

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons

Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Type:	BLANK	Batch#:	166034
Lab ID:	QC556556	Analyzed:	08/17/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	0.20
Stoddard Solvent C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556314	Batch#:	165972
Matrix:	Soil	Analyzed:	08/16/10
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9370	94	77-123

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	57-146

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	221847-005	Batch#:	165972
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/13/10
Basis:	as received	Analyzed:	08/16/10

Type: MS Lab ID: QC556362

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09468	10.99	5.858	52	38-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

Type: MSD Lab ID: QC556363

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	6.551	61	38-120	14	56

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	57-146

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556557	Batch#:	166034
Matrix:	Soil	Analyzed:	08/17/10
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.081	108	77-123

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	221858-003	Batch#:	166034
Matrix:	Soil	Sampled:	08/13/10
Units:	mg/Kg	Received:	08/13/10
Basis:	as received	Analyzed:	08/18/10

Type: MS Lab ID: QC556558

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09864	10.64	9.994	93	38-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	57-146

Type: MSD Lab ID: QC556559

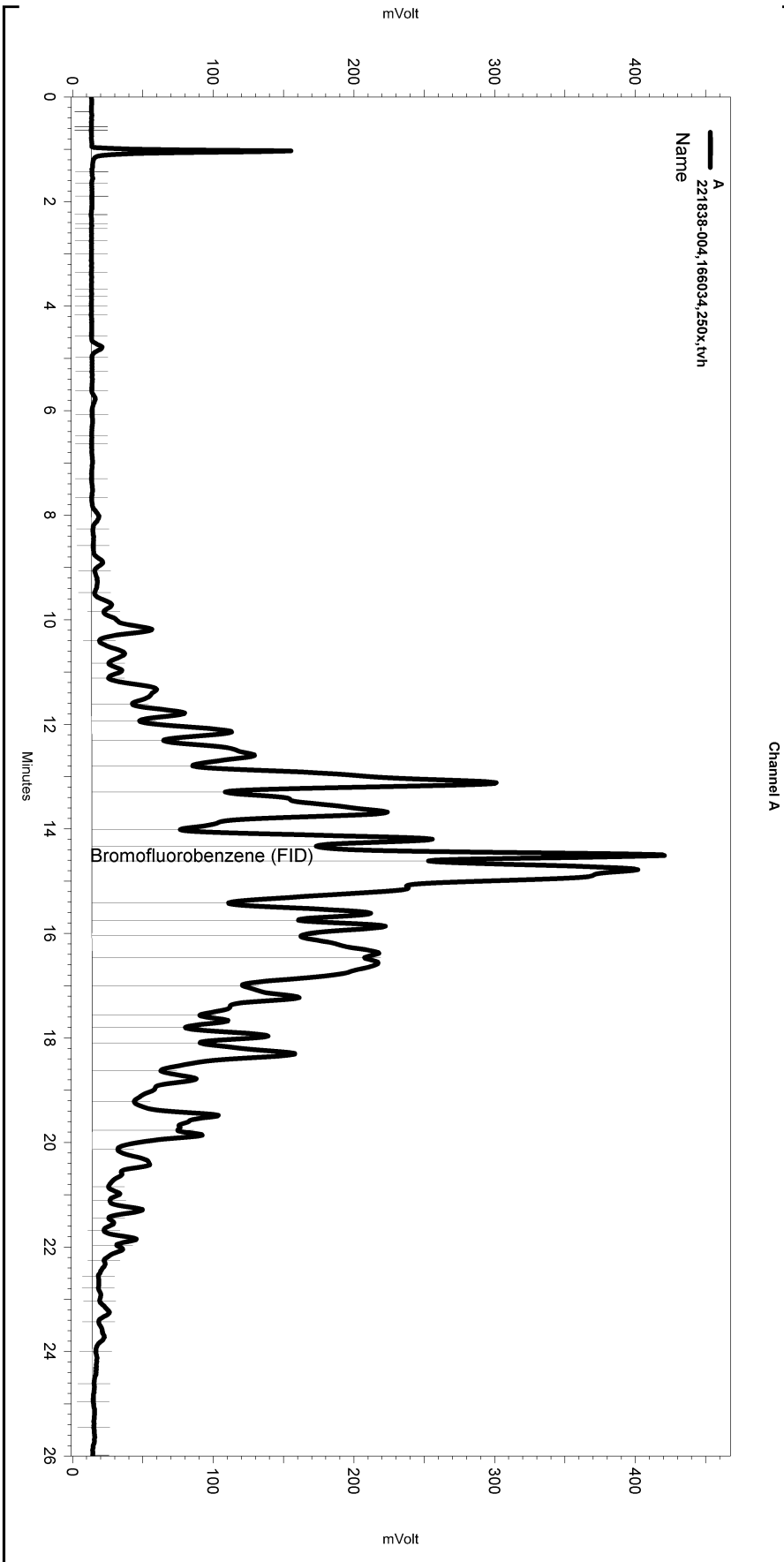
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	10.22	95	38-120	2	56

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	57-146

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: 221838-004,166034,250x,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-005
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 5:50:01 PM
 Analysis Date: 8/18/2010 12:27:06 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

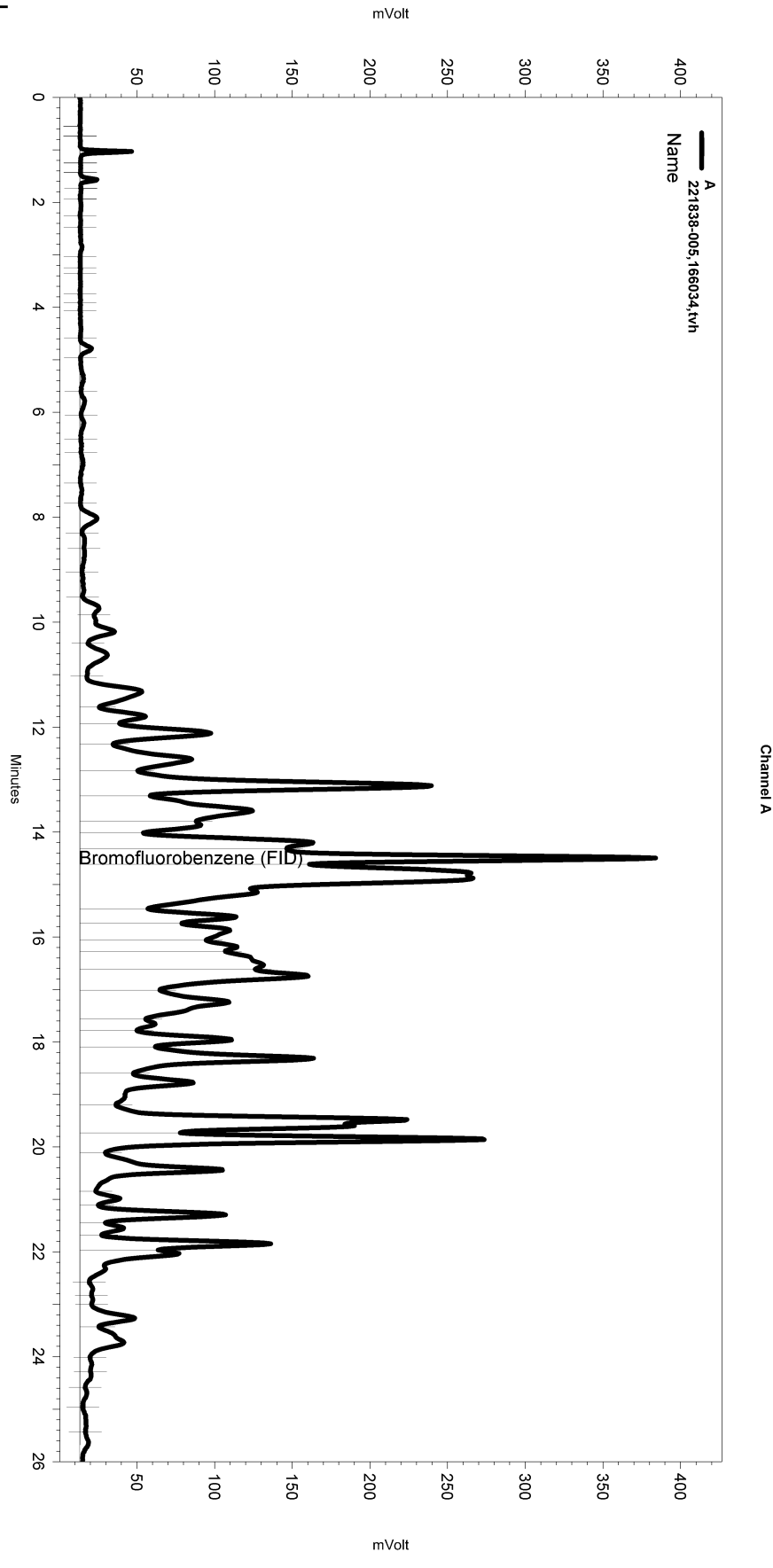
Manual Integration Fixes

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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: 221838-005,166034,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-006
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 6:27:41 PM
 Analysis Date: 8/18/2010 12:27:17 PM
 Sample Amount: 0.96 Multiplier: 0.96
 Vial & pH or Core ID: b



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

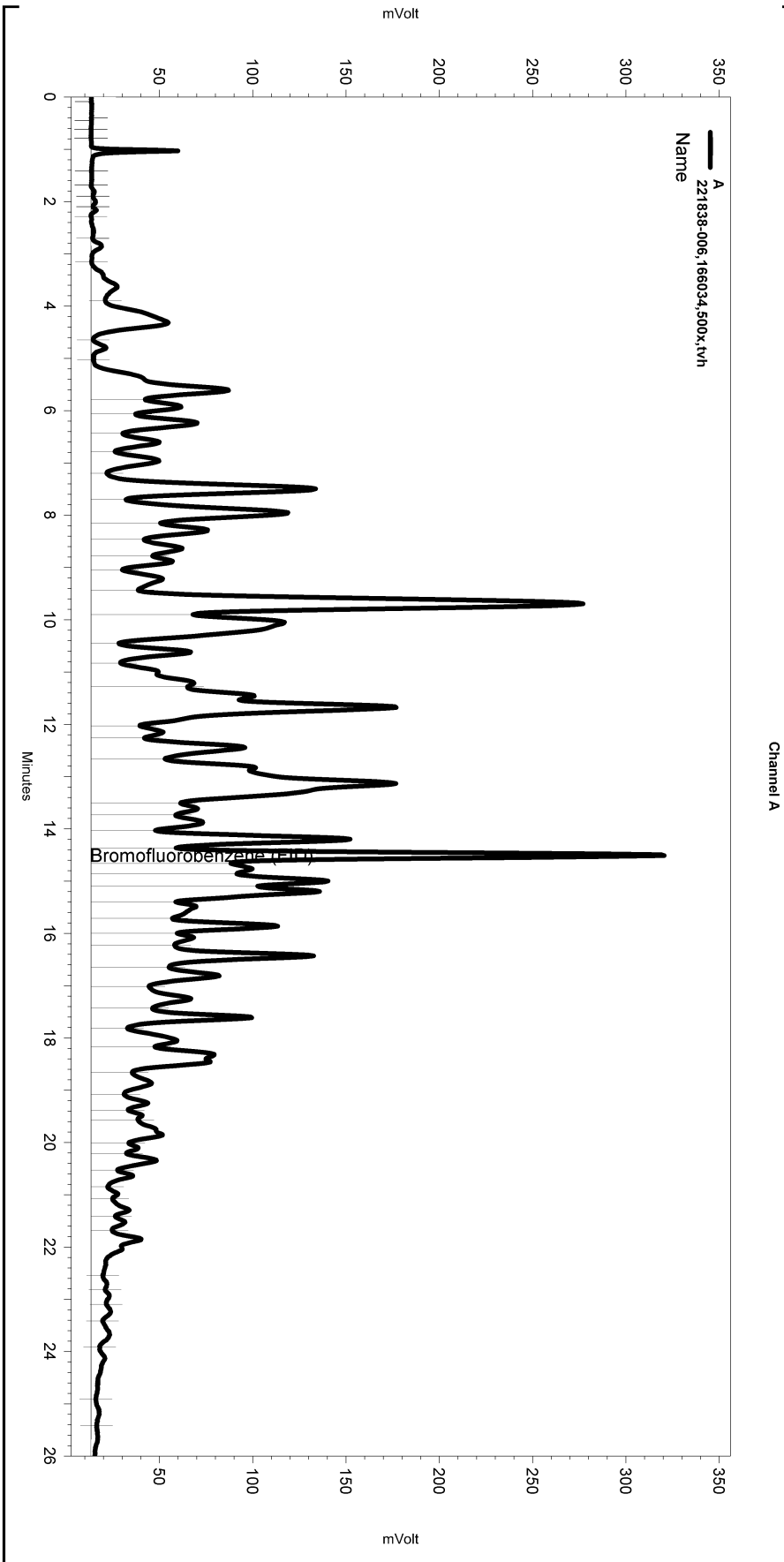
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-006

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: 221838-006,166034,500x,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-007
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.met

Software Version 3.1.7
 Run Date: 8/17/2010 7:06:27 PM
 Analysis Date: 8/18/2010 12:27:33 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b



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No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

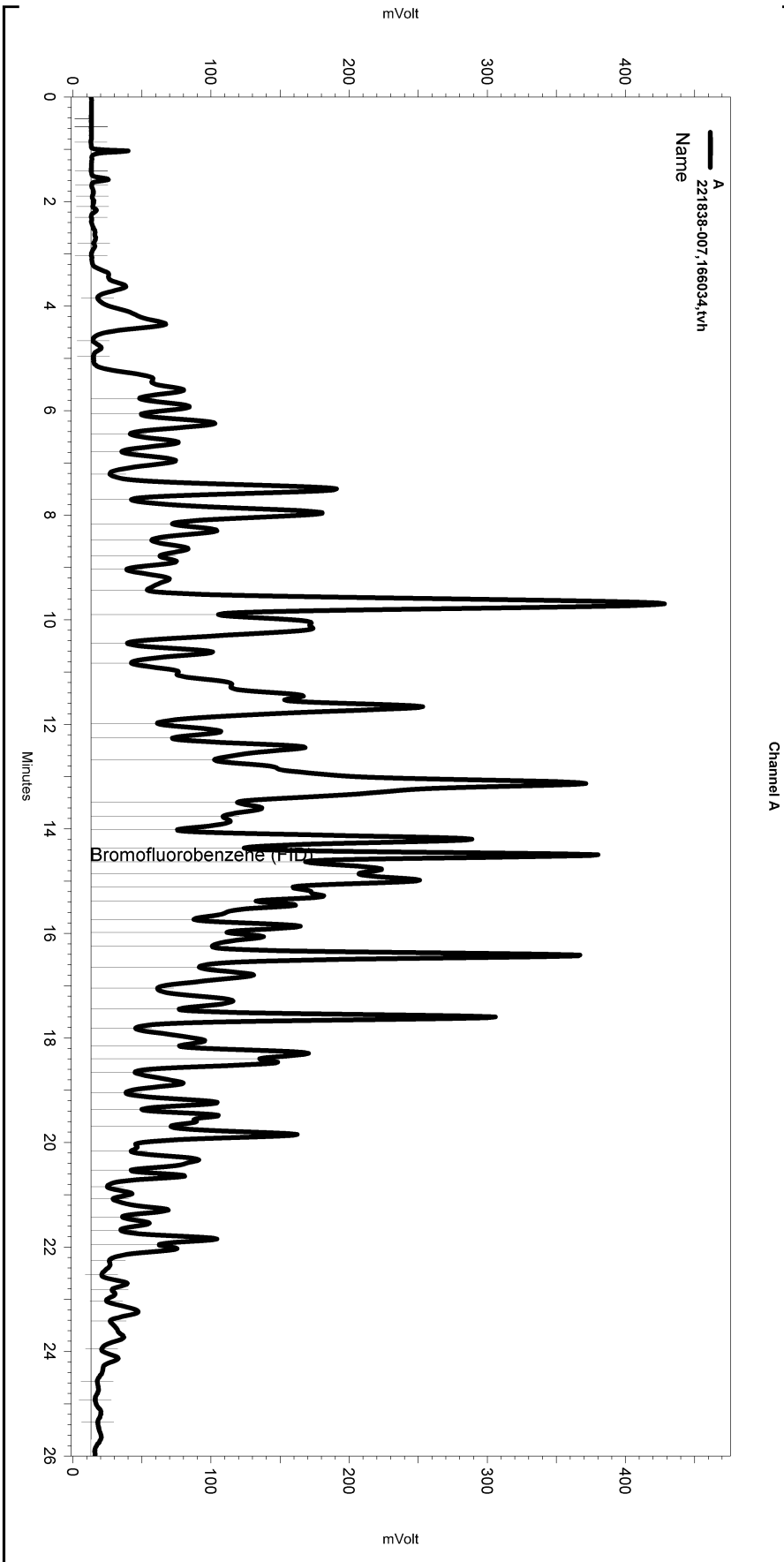
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-007

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: 221838-007,166034,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-008
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.MET

Software Version 3.1.7
 Run Date: 8/17/2010 7:44:33 PM
 Analysis Date: 8/18/2010 12:27:45 PM
 Sample Amount: 1.01 Multiplier: 1.01
 Vial & pH or Core ID: b



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

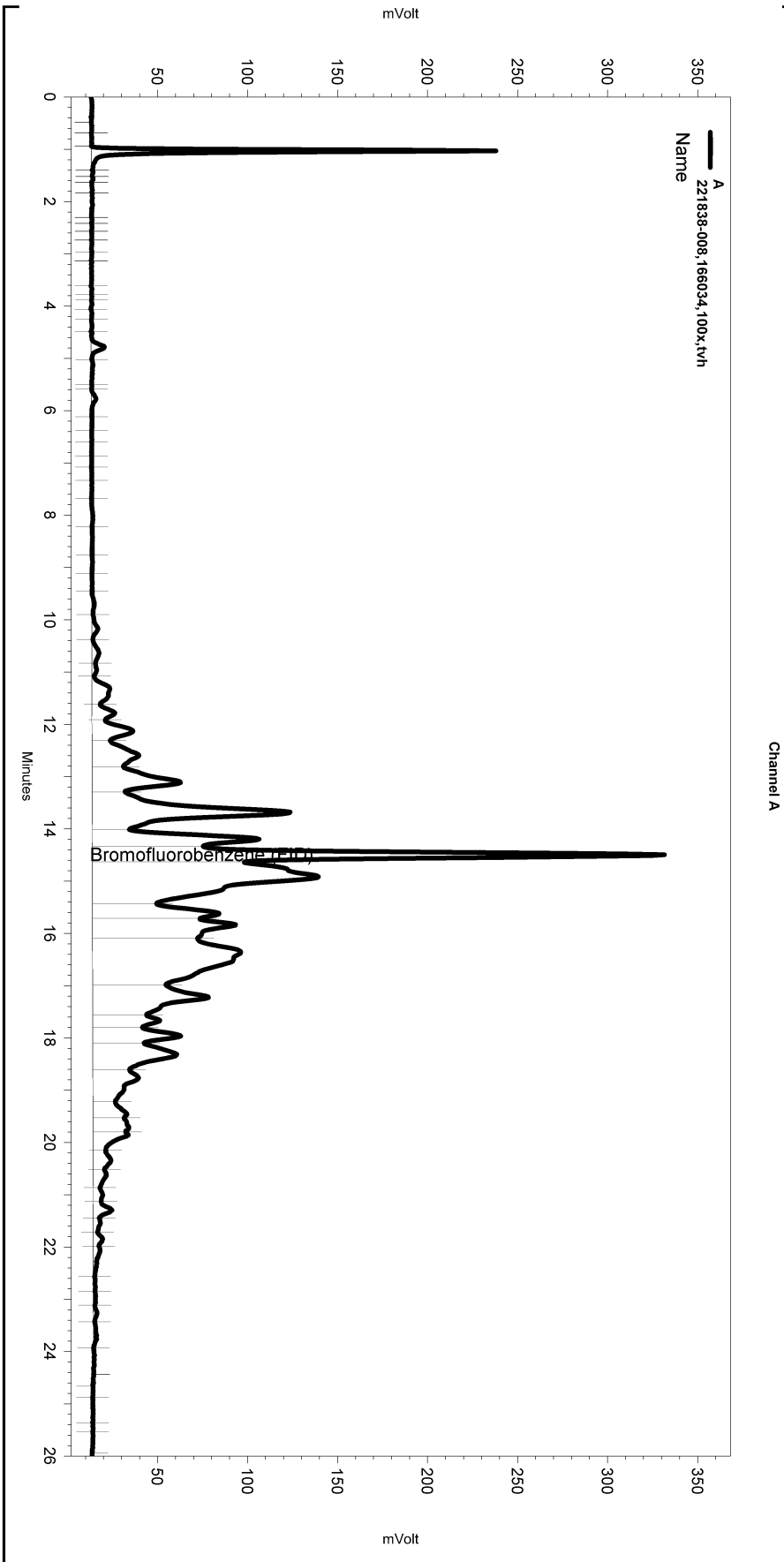
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-008

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Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: 221838-008,166034,100x,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-009
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.MET

Software Version 3.1.7
 Run Date: 8/17/2010 8:22:21 PM
 Analysis Date: 8/18/2010 12:27:55 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

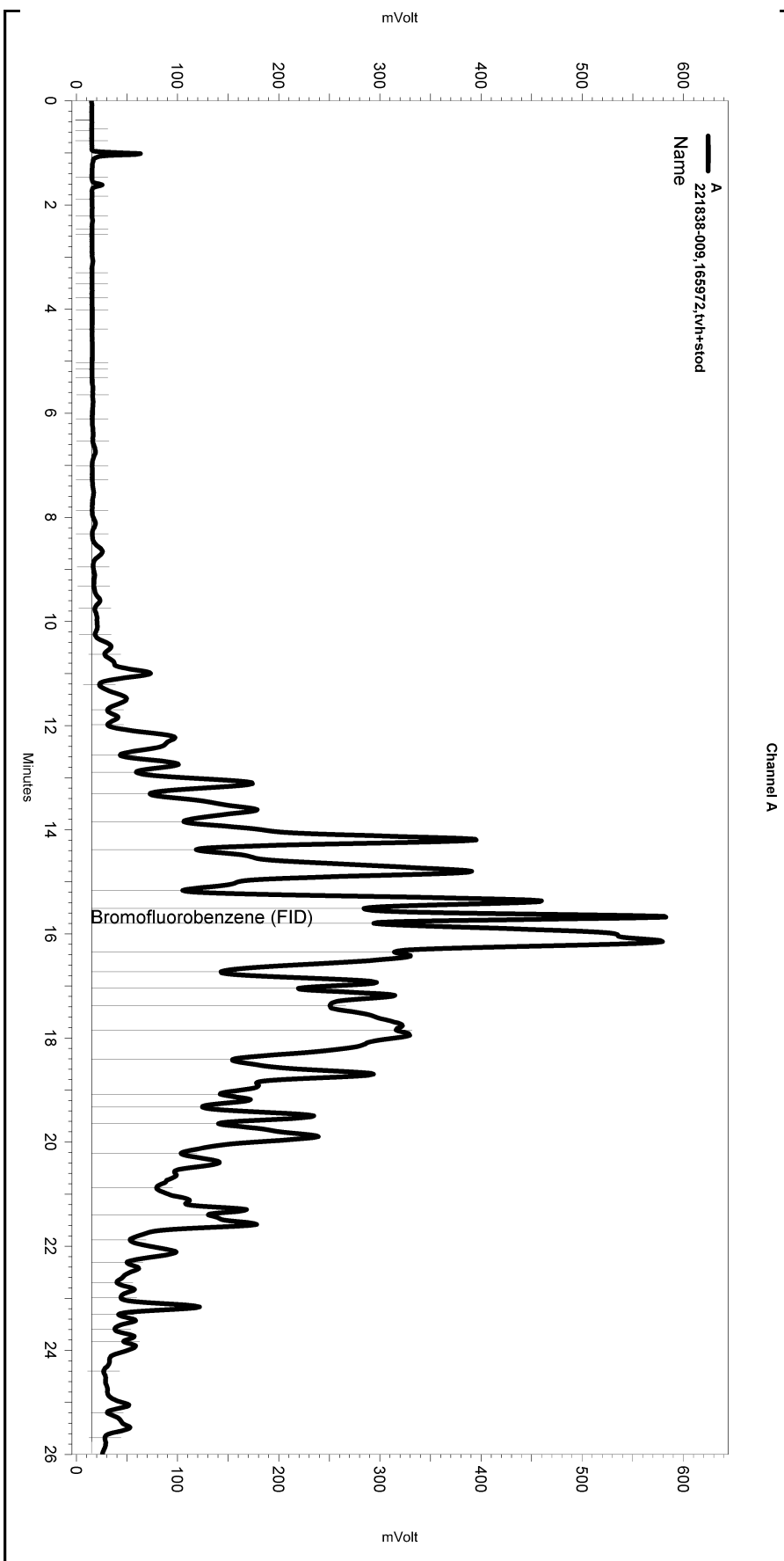
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-009

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\228.seq
 Sample Name: 221838-009,165972,tvh+stod
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\228-023
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
 Run Date: 8/17/2010 3:12:39 AM
 Analysis Date: 8/17/2010 2:09:12 PM
 Sample Amount: 1.08 Multiplier: 1.08
 Vial & pH or Core ID: b



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

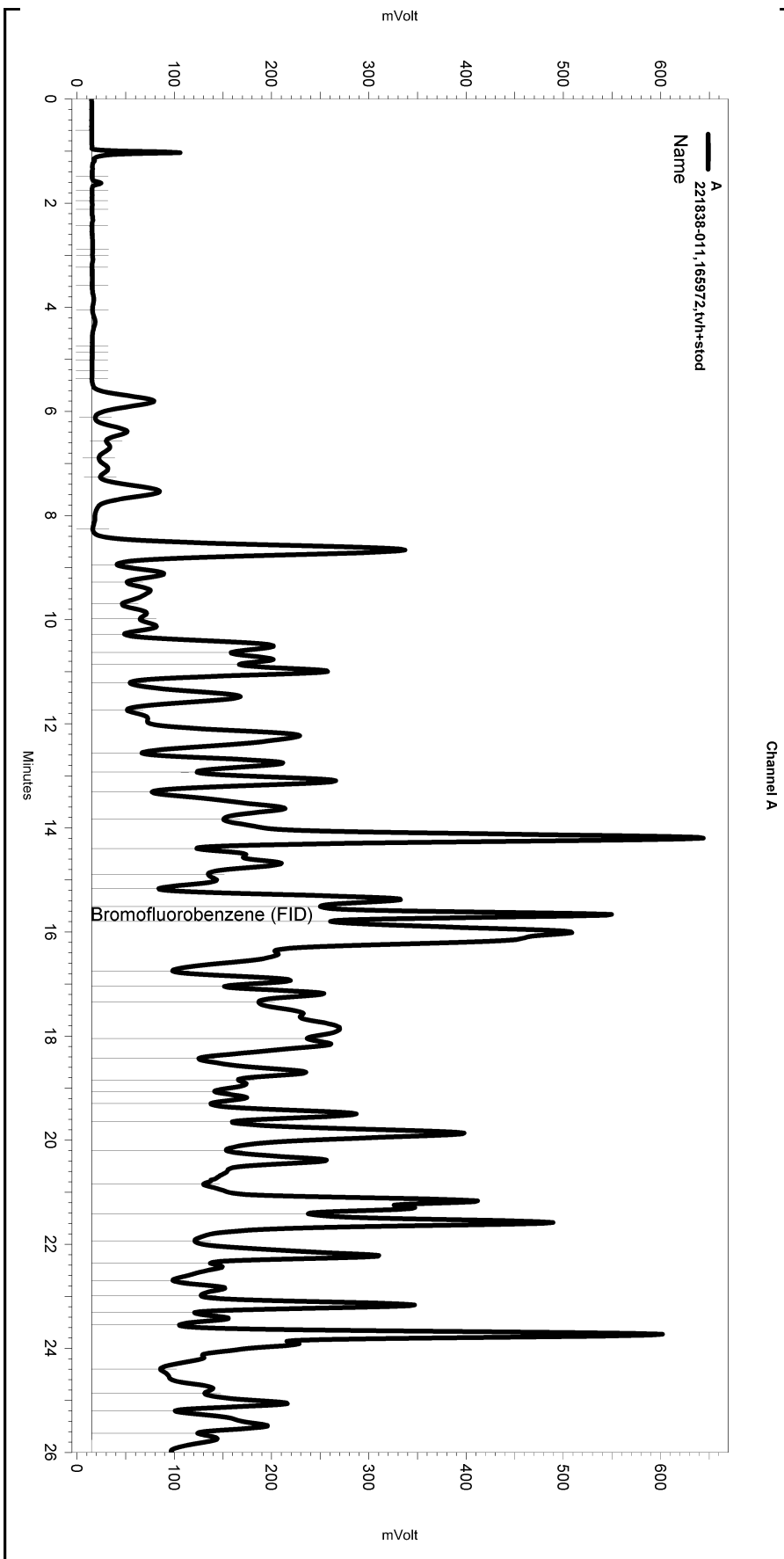
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\228-023

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Yes	Lowest Point Horizontal Baseli	0.506	25.984	0

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 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\228-028
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhtxe209.met

Software Version 3.1.7
 Run Date: 8/17/2010 6:15:28 AM
 Analysis Date: 8/17/2010 2:25:49 PM
 Sample Amount: 1.03 Multiplier: 1.03
 Vial & pH or Core ID: b



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 Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

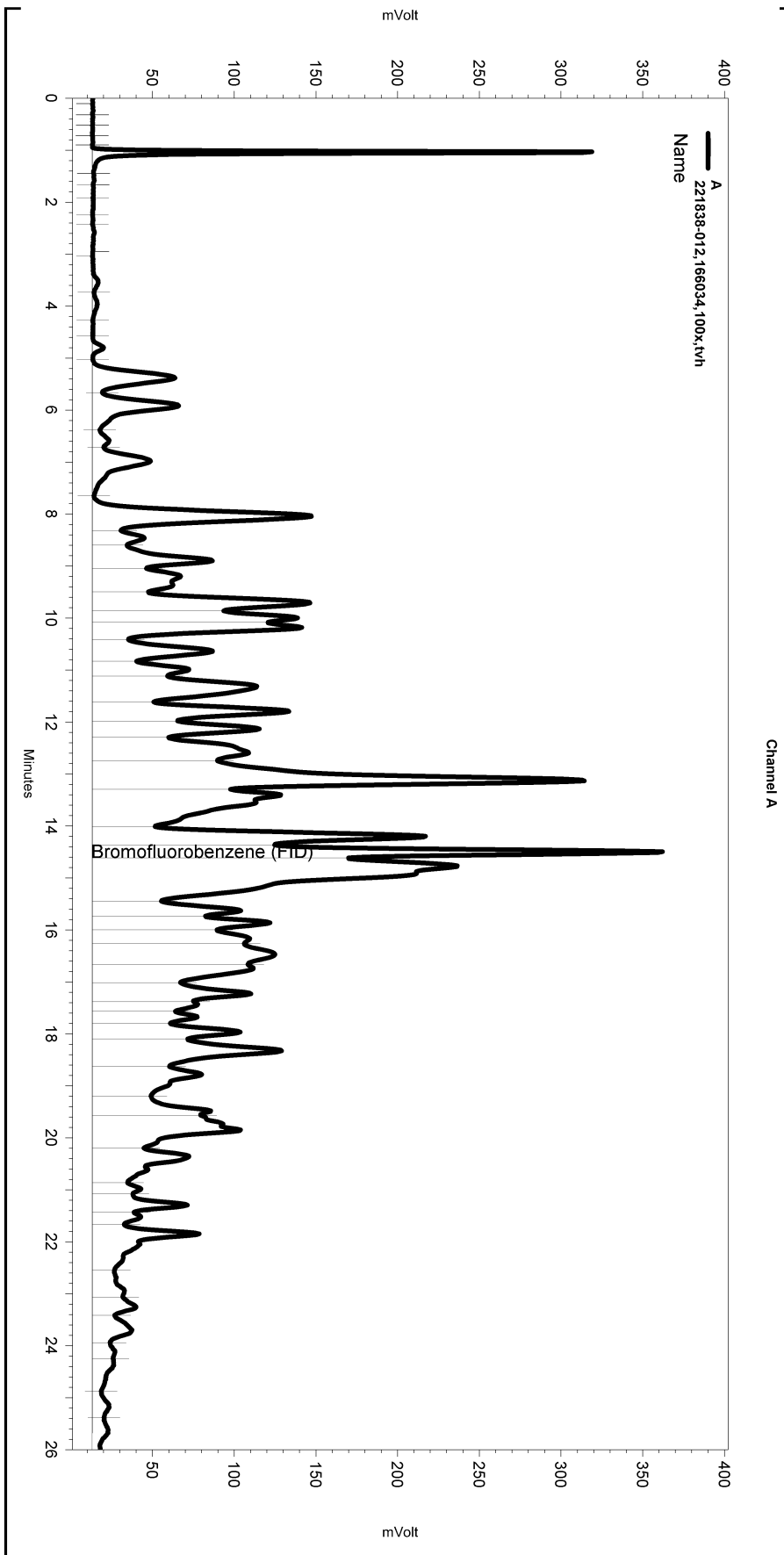
 Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\228-028

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.684	26.006	0

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 Sample Name: 221838-012,166034,100x,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-010
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.MET

Software Version 3.1.7
 Run Date: 8/17/2010 9:00:11 PM
 Analysis Date: 8/18/2010 12:28:06 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b



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No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

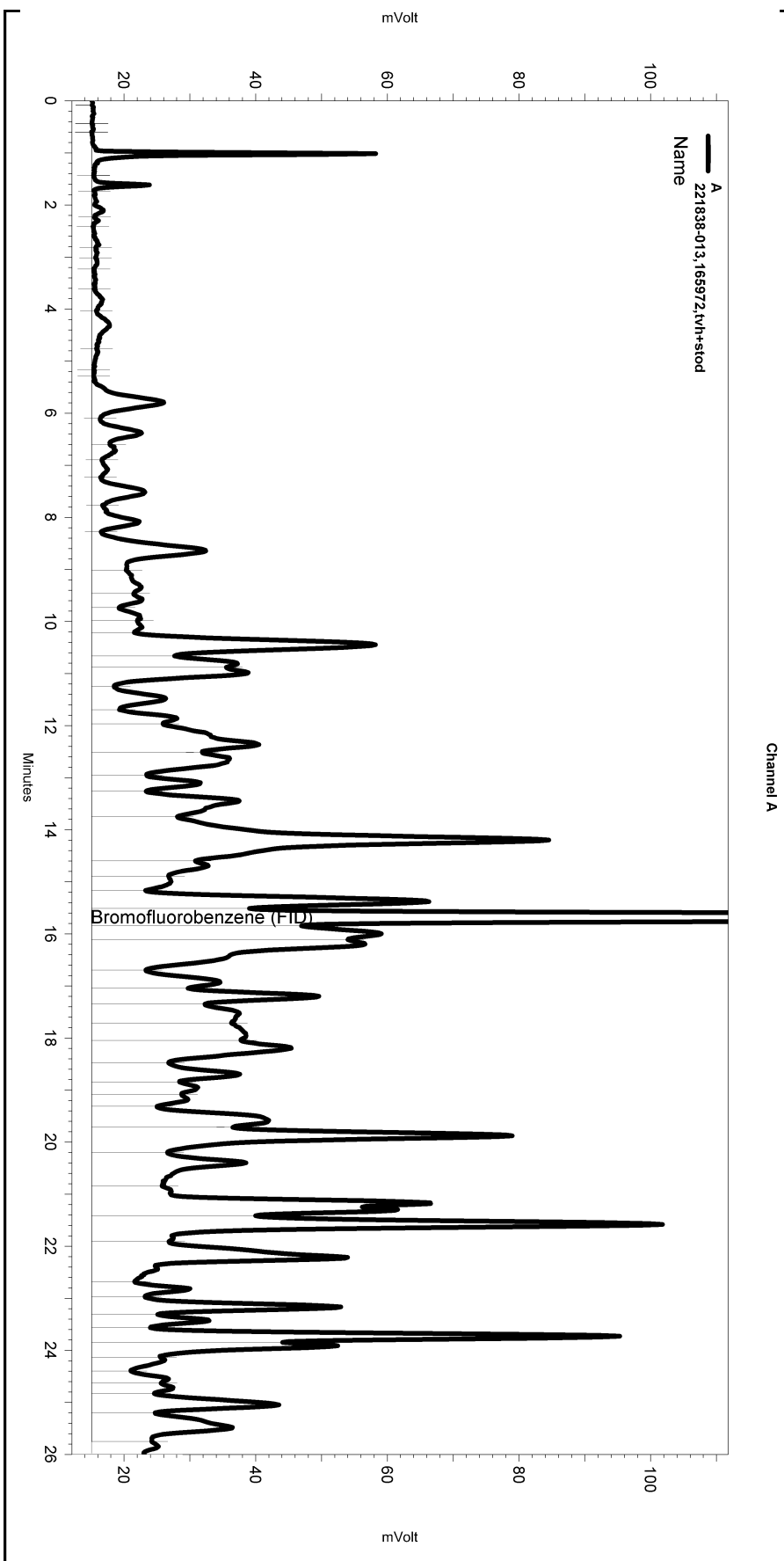
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-010

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\228.seq
 Sample Name: 221838-013,165972,tvh+stod
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\228-021
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\TVHBTXE209.met

Software Version 3.1.7
 Run Date: 8/17/2010 1:59:37 AM
 Analysis Date: 8/17/2010 2:00:51 PM
 Sample Amount: 0.98 Multiplier: 0.98
 Vial & pH or Core ID: b



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No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

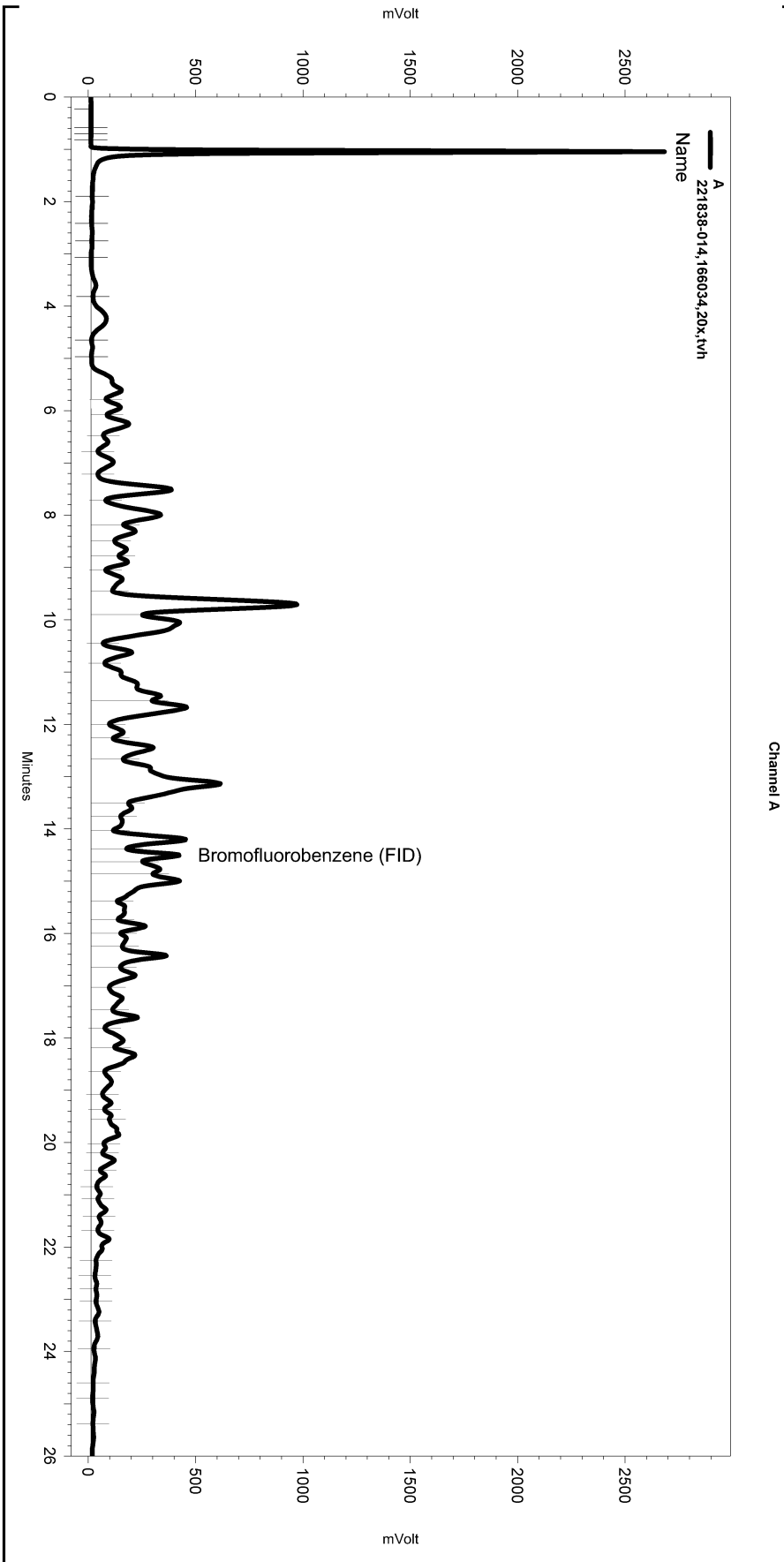
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\228-021

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.697	25.984	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: 221838-014,166034,20x,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-011
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 9:37:58 PM
 Analysis Date: 8/18/2010 12:28:18 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

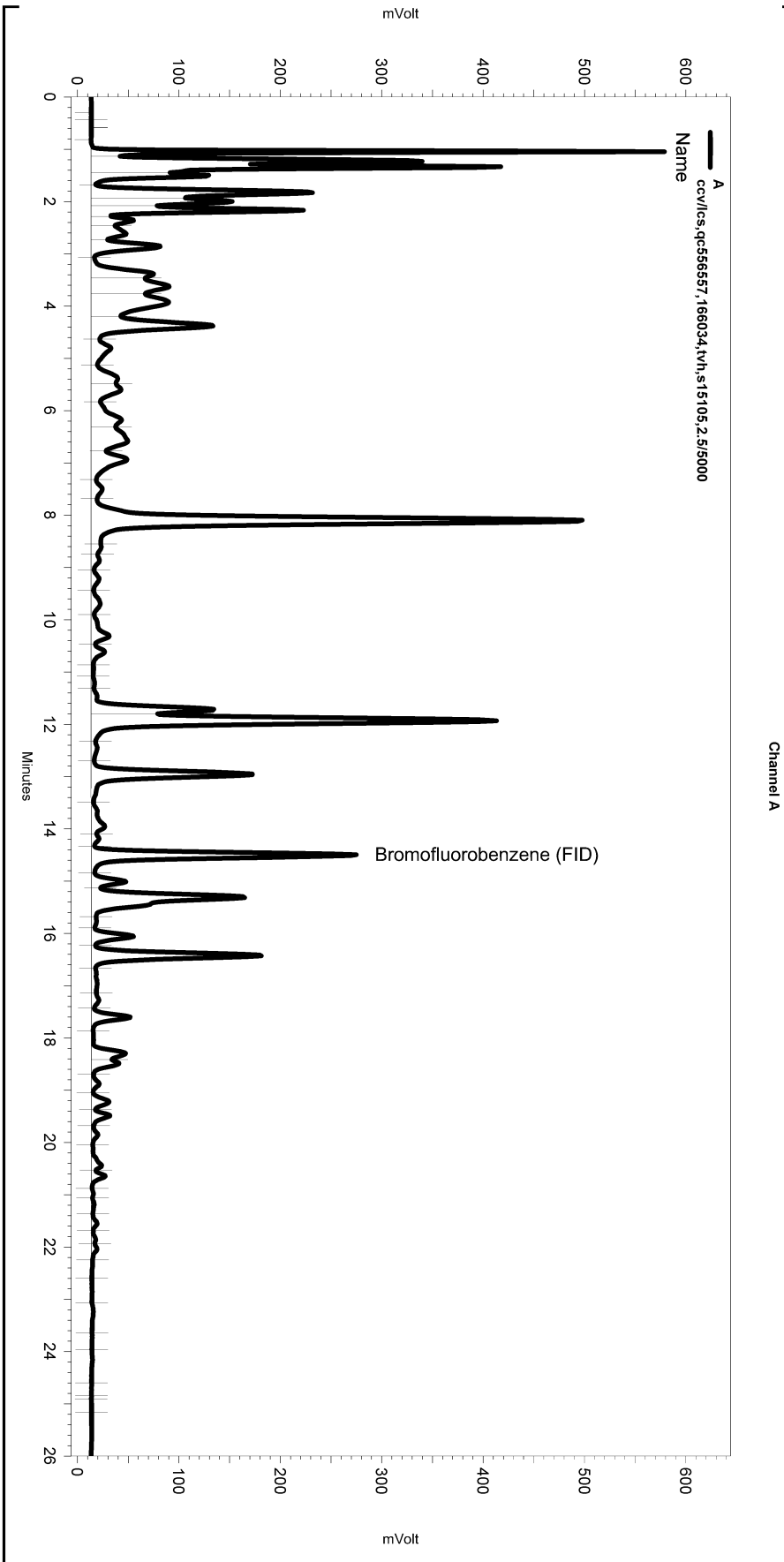
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-011

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\229.seq
 Sample Name: ccv/lcs,qc556557,166034,tvh,s15105,2,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-002
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.MET

Software Version 3.1.7
 Run Date: 8/17/2010 12:14:12 PM
 Analysis Date: 8/18/2010 12:26:33 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

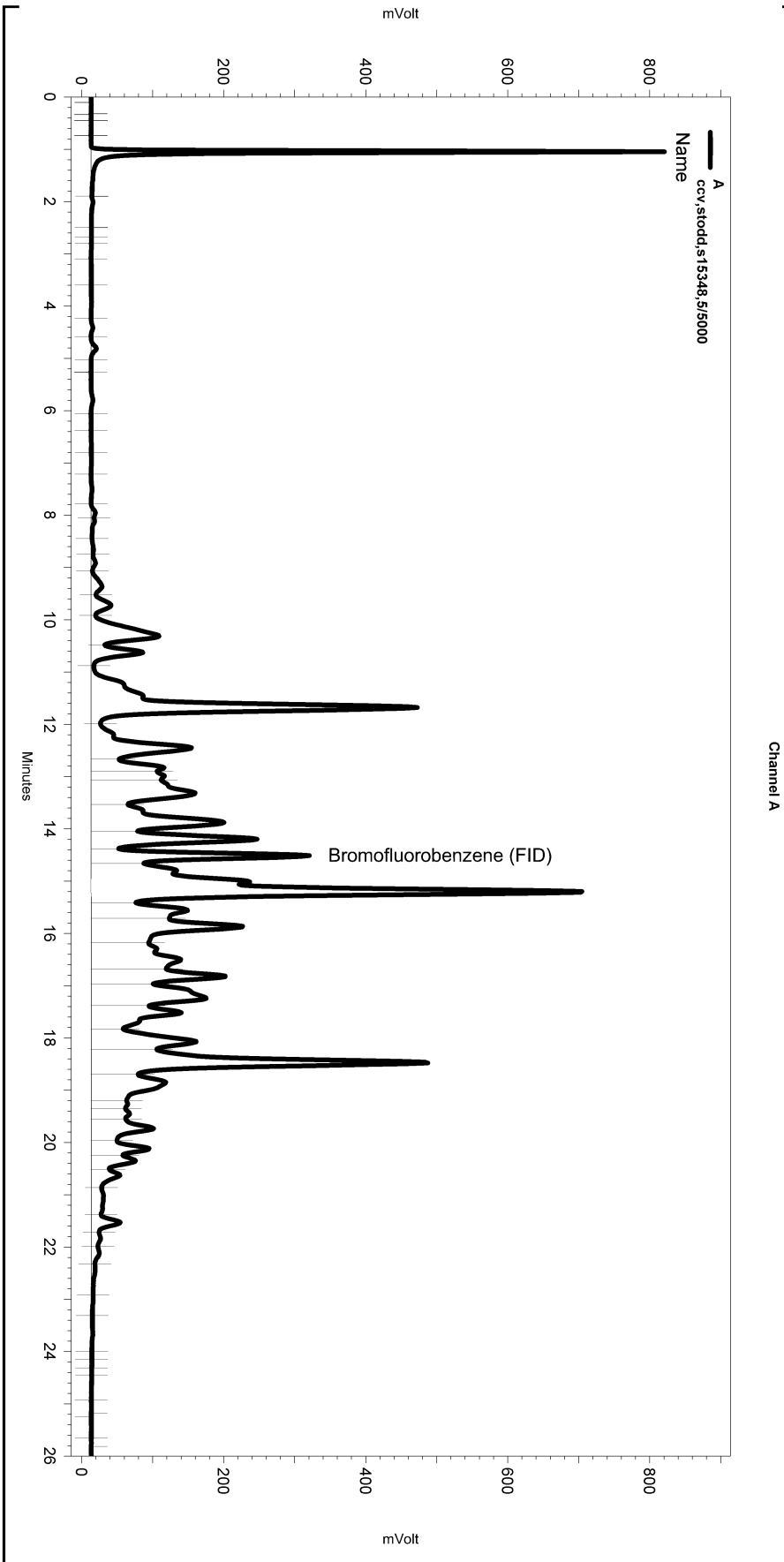
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-002

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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 Sample Name: ccv,stodd,s15348,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-003
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.MET

Software Version 3.1.7
 Run Date: 8/17/2010 2:47:12 PM
 Analysis Date: 8/18/2010 12:26:44 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\229-003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/12/10
Units:	ug/L	Received:	08/12/10
Batch#:	165984	Prepared:	08/16/10

Field ID: LDP-1 Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/18/10
 Lab ID: 221838-001 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	3,500	63
Diesel C10-C24	3,300 Y	63

Surrogate	%REC	Limits
o-Terphenyl	62	60-129

Field ID: LDP-2 Diln Fac: 50.00
 Type: SAMPLE Analyzed: 08/18/10
 Lab ID: 221838-002 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	49,000	3,100
Diesel C10-C24	46,000 Y	3,100

Surrogate	%REC	Limits
o-Terphenyl	DO	60-129

Field ID: LDP-3 Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/18/10
 Lab ID: 221838-003 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	330	63
Diesel C10-C24	310 Y	63

Surrogate	%REC	Limits
o-Terphenyl	72	60-129

Type: BLANK Analyzed: 08/17/10
 Lab ID: QC556354 Cleanup Method: EPA 3630C
 Diln Fac: 1.000

Analyte	Result	RL
Kerosene C10-C16	ND	50
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	122	60-129

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	165984
Units:	ug/L	Prepared:	08/16/10
Diln Fac:	1.000	Analyzed:	08/17/10

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC556355

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,241	90	54-125

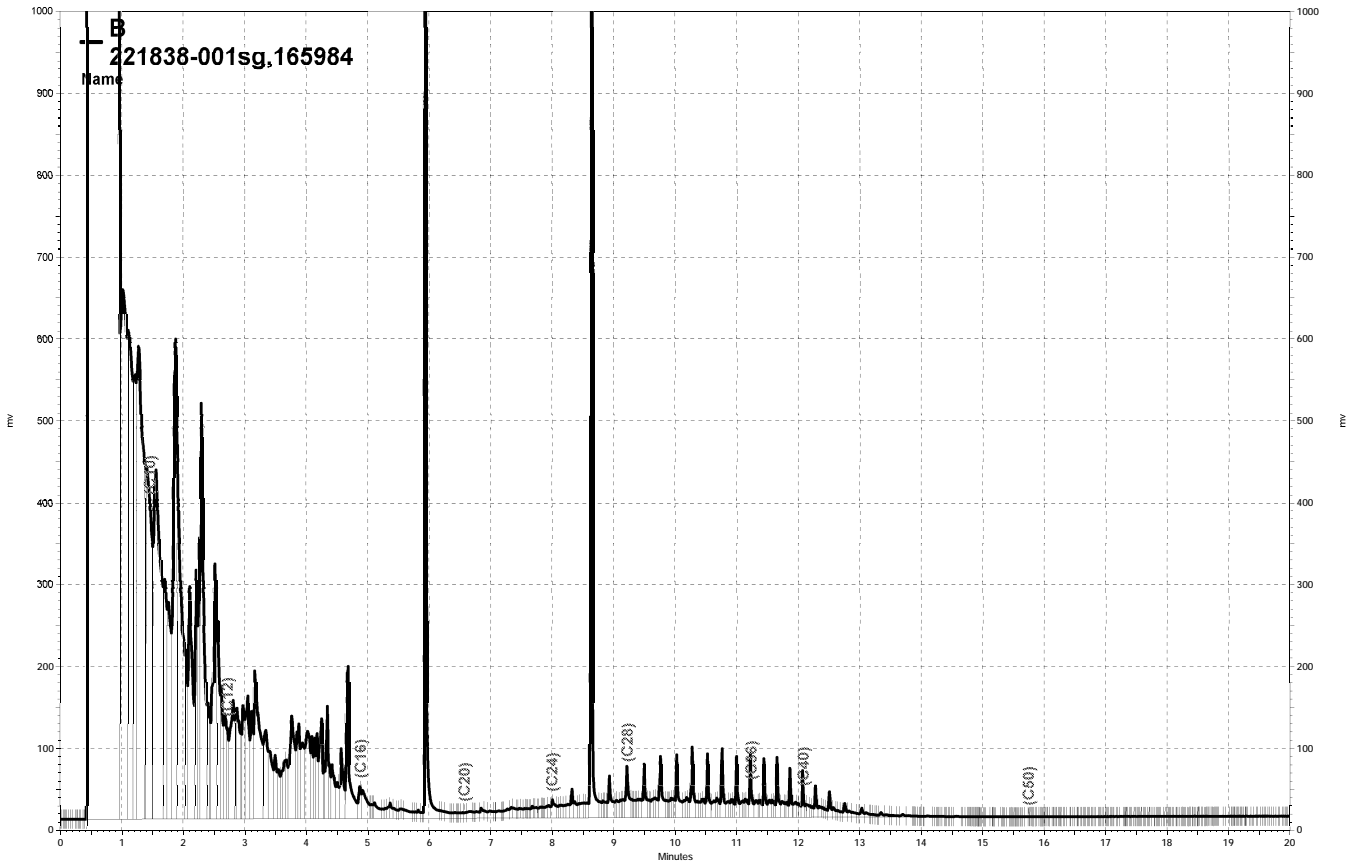
Surrogate	%REC	Limits
o-Terphenyl	101	60-129

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC556356

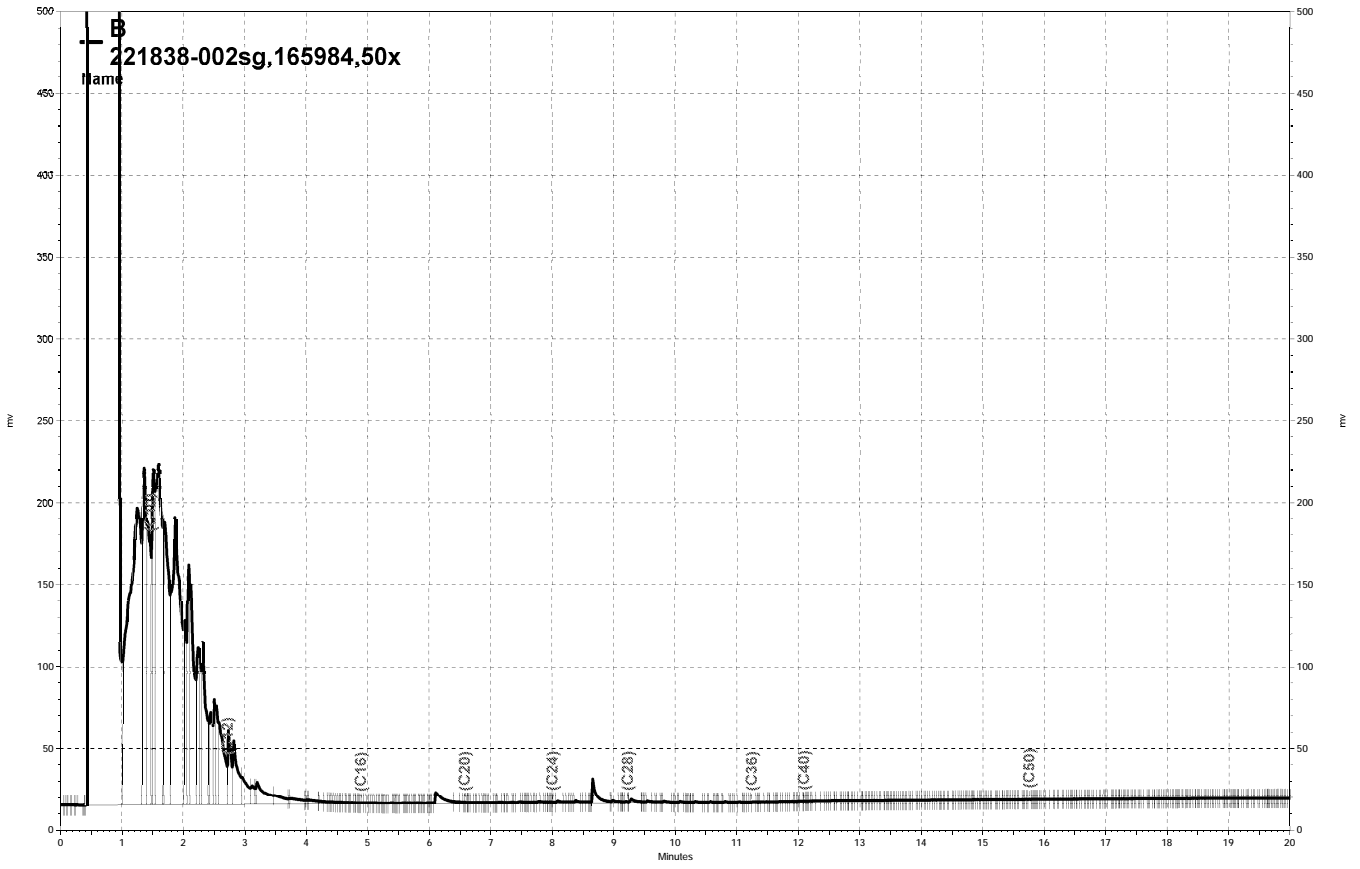
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,663	67	54-125	30	53

Surrogate	%REC	Limits
o-Terphenyl	75	60-129

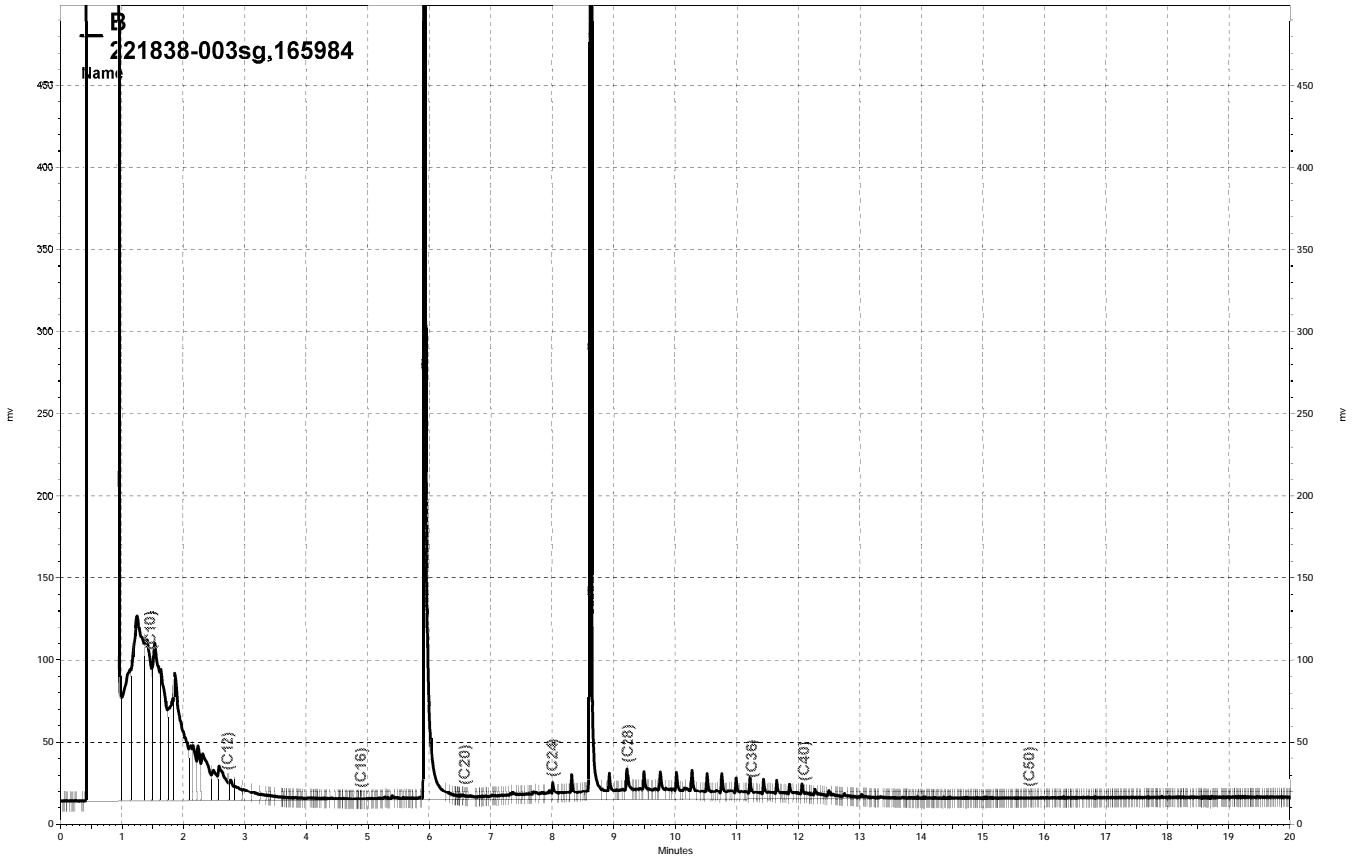
RPD= Relative Percent Difference



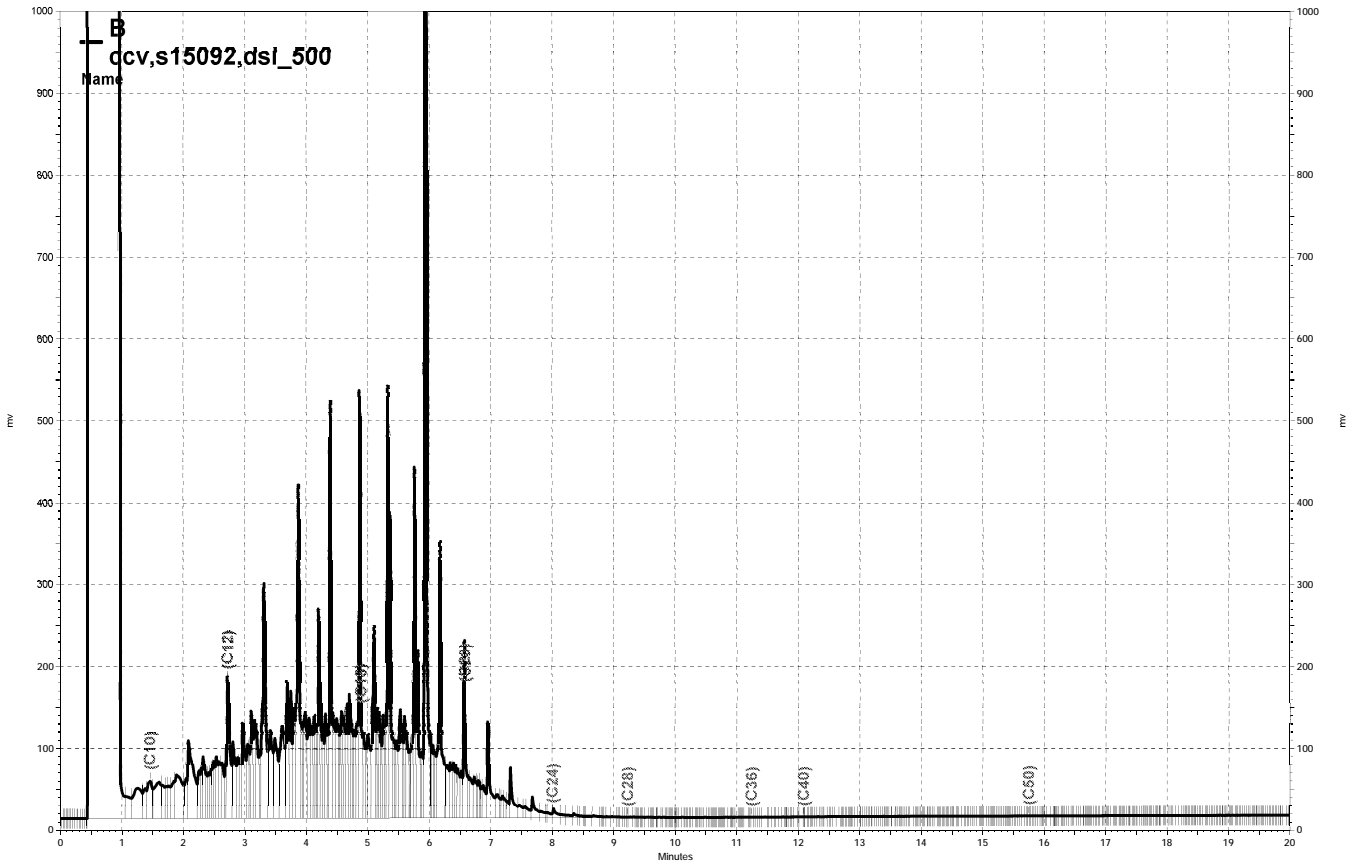
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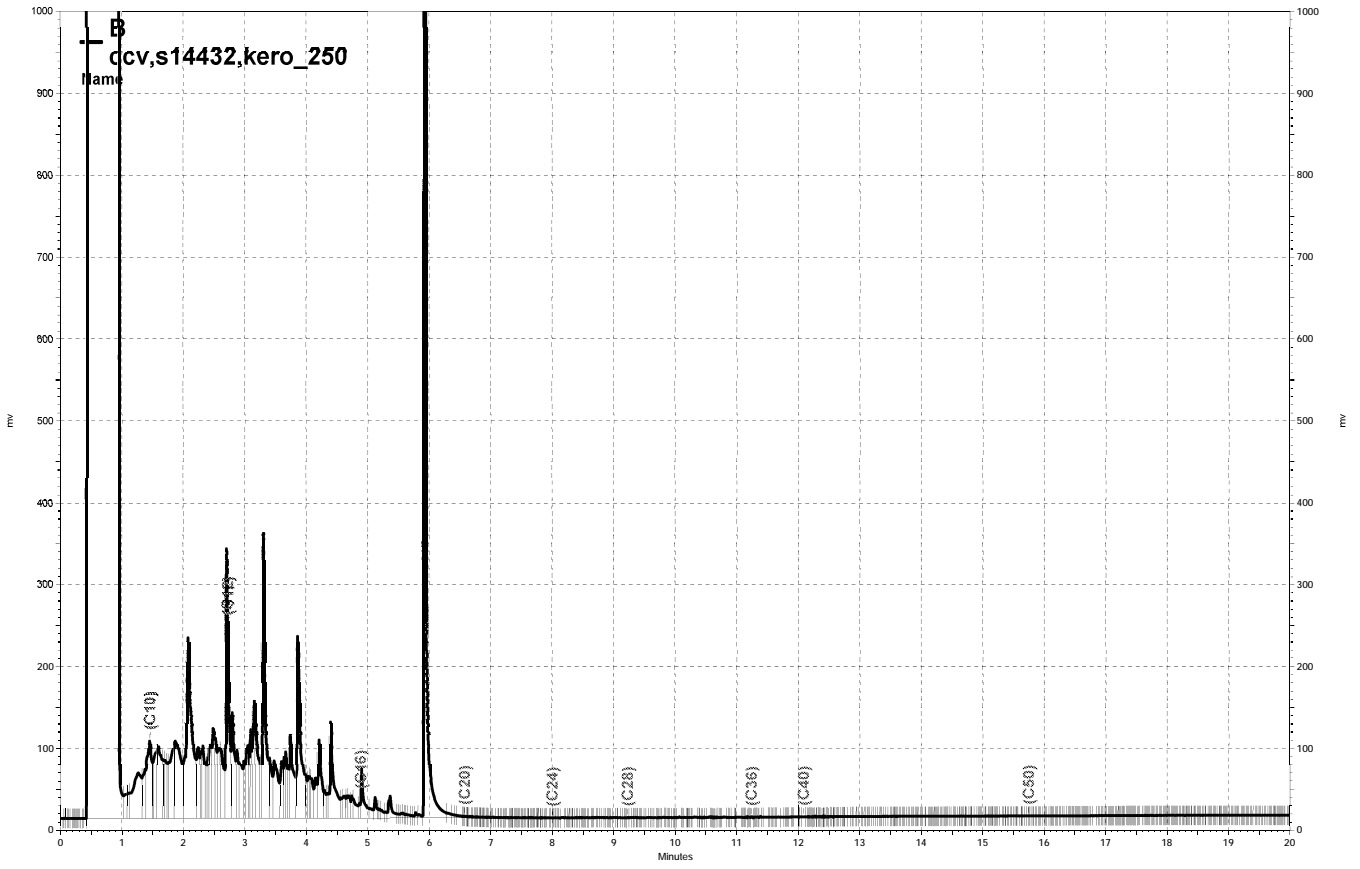
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— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\229b006, B



— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\229b008, B

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Field ID:	LDP-2@5FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-004	Analyzed:	08/18/10
Diln Fac:	100.0	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	890	99
Diesel C10-C24	860 Y	99

Surrogate	%REC	Limits
o-Terphenyl	DO	45-130

Field ID:	LDP-2@13FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-005	Analyzed:	08/17/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	27	0.99
Diesel C10-C24	29	0.99

Surrogate	%REC	Limits
o-Terphenyl	94	45-130

Field ID:	LDP-2@18FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-006	Analyzed:	08/17/10
Diln Fac:	50.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	1,100	50
Diesel C10-C24	1,000 Y	50

Surrogate	%REC	Limits
o-Terphenyl	DO	45-130

Field ID:	LDP-2@21FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-007	Analyzed:	08/17/10
Diln Fac:	25.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	630	25
Diesel C10-C24	600 Y	25

Surrogate	%REC	Limits
o-Terphenyl	DO	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Field ID:	LDP-3@8FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-008	Analyzed:	08/17/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	210	1.0
Diesel C10-C24	220	1.0

Surrogate	%REC	Limits
o-Terphenyl	109	45-130

Field ID:	LDP-3@12FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-009	Analyzed:	08/17/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	73	1.0
Diesel C10-C24	79	1.0

Surrogate	%REC	Limits
o-Terphenyl	92	45-130

Field ID:	LDP-3@16FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-010	Analyzed:	08/17/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	95	45-130

Field ID:	LDP-1@6FT	Batch#:	165977
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221838-011	Analyzed:	08/17/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	110	1.0
Diesel C10-C24	120	1.0

Surrogate	%REC	Limits
o-Terphenyl	111	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Field ID:	LDP-1@12FT	Batch#:	166033
Type:	SAMPLE	Prepared:	08/17/10
Lab ID:	221838-012	Analyzed:	08/18/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	280	1.0
Diesel C10-C24	240	1.0

Surrogate	%REC	Limits
o-Terphenyl	68	45-130

Field ID:	LDP-1@15FT	Batch#:	166033
Type:	SAMPLE	Prepared:	08/17/10
Lab ID:	221838-013	Analyzed:	08/18/10
Diln Fac:	40.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	830	40
Diesel C10-C24	650 Y	40

Surrogate	%REC	Limits
o-Terphenyl	DO	45-130

Field ID:	LDP-1@19FT	Batch#:	166033
Type:	SAMPLE	Prepared:	08/17/10
Lab ID:	221838-014	Analyzed:	08/18/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	230	0.99
Diesel C10-C24	180 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	68	45-130

Type:	BLANK	Prepared:	08/16/10
Lab ID:	QC556332	Analyzed:	08/17/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	165977		

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	101	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received		

Type:	BLANK	Prepared:	08/17/10
Lab ID:	QC556552	Analyzed:	08/18/10
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	166033		

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	80	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556333	Batch#:	165977
Matrix:	Soil	Prepared:	08/16/10
Units:	mg/Kg	Analyzed:	08/16/10

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.85	45.36	91	45-143

Surrogate	%REC	Limits
o-Terphenyl	99	45-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	165977
MSS Lab ID:	221857-003	Sampled:	08/12/10
Matrix:	Soil	Received:	08/13/10
Units:	mg/Kg	Prepared:	08/16/10
Basis:	as received	Analyzed:	08/17/10
Diln Fac:	5.000		

Type: MS Lab ID: QC556334

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	27.91	49.83	73.97	92	32-142

Surrogate	%REC	Limits
o-Terphenyl	89	45-130

Type: MSD Lab ID: QC556335

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.61	76.48	98	32-142	4	55

Surrogate	%REC	Limits
o-Terphenyl	91	45-130

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556553	Batch#:	166033
Matrix:	Soil	Prepared:	08/17/10
Units:	mg/Kg	Analyzed:	08/18/10

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.87	35.23	71	45-143

Surrogate	%REC	Limits
o-Terphenyl	75	45-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	166033
MSS Lab ID:	221826-001	Sampled:	08/11/10
Matrix:	Soil	Received:	08/12/10
Units:	mg/Kg	Prepared:	08/17/10
Basis:	as received	Analyzed:	08/18/10
Diln Fac:	1.000		

Type: MS Lab ID: QC556554

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	5.580	49.91	34.55	58	32-142

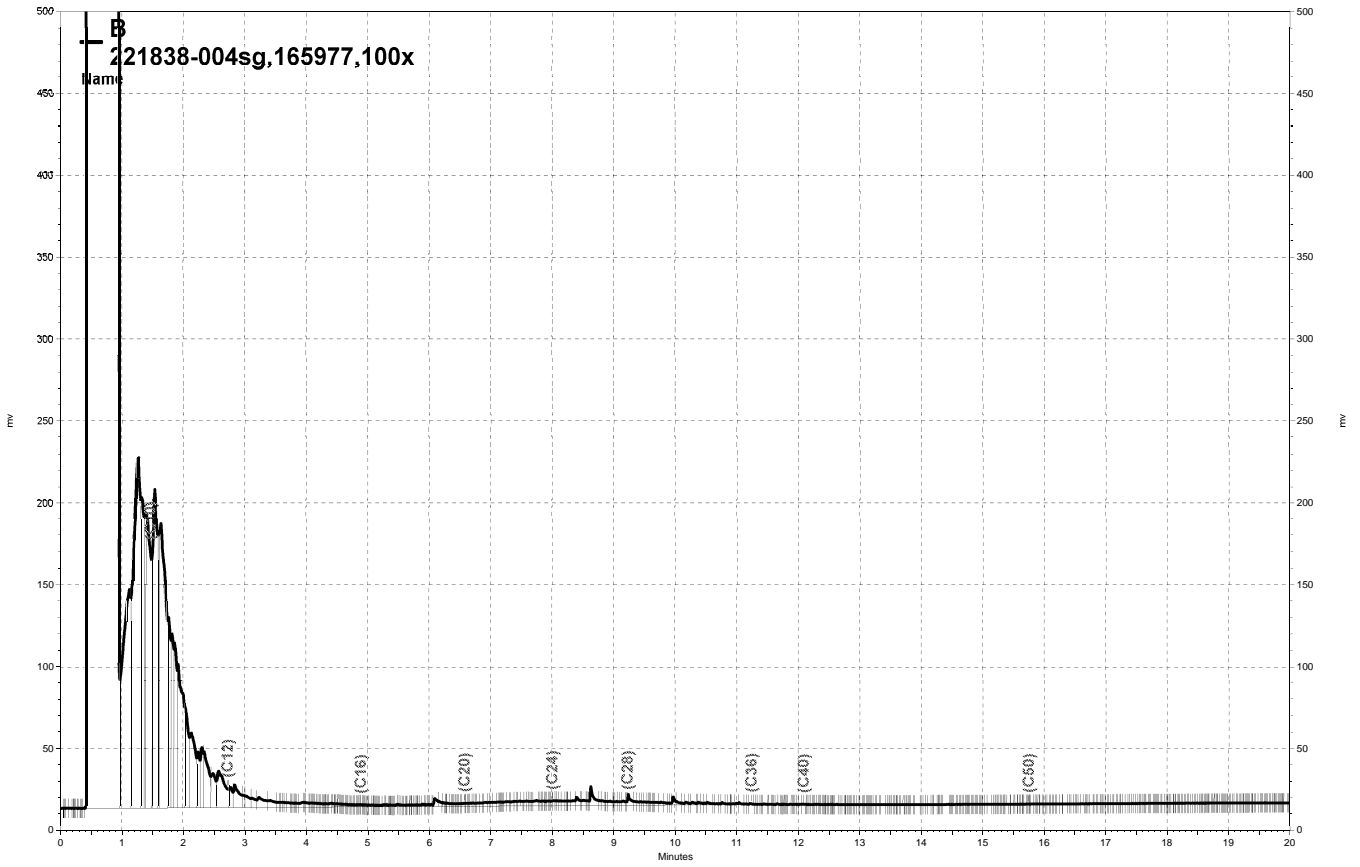
Surrogate	%REC	Limits
o-Terphenyl	63	45-130

Type: MSD Lab ID: QC556555

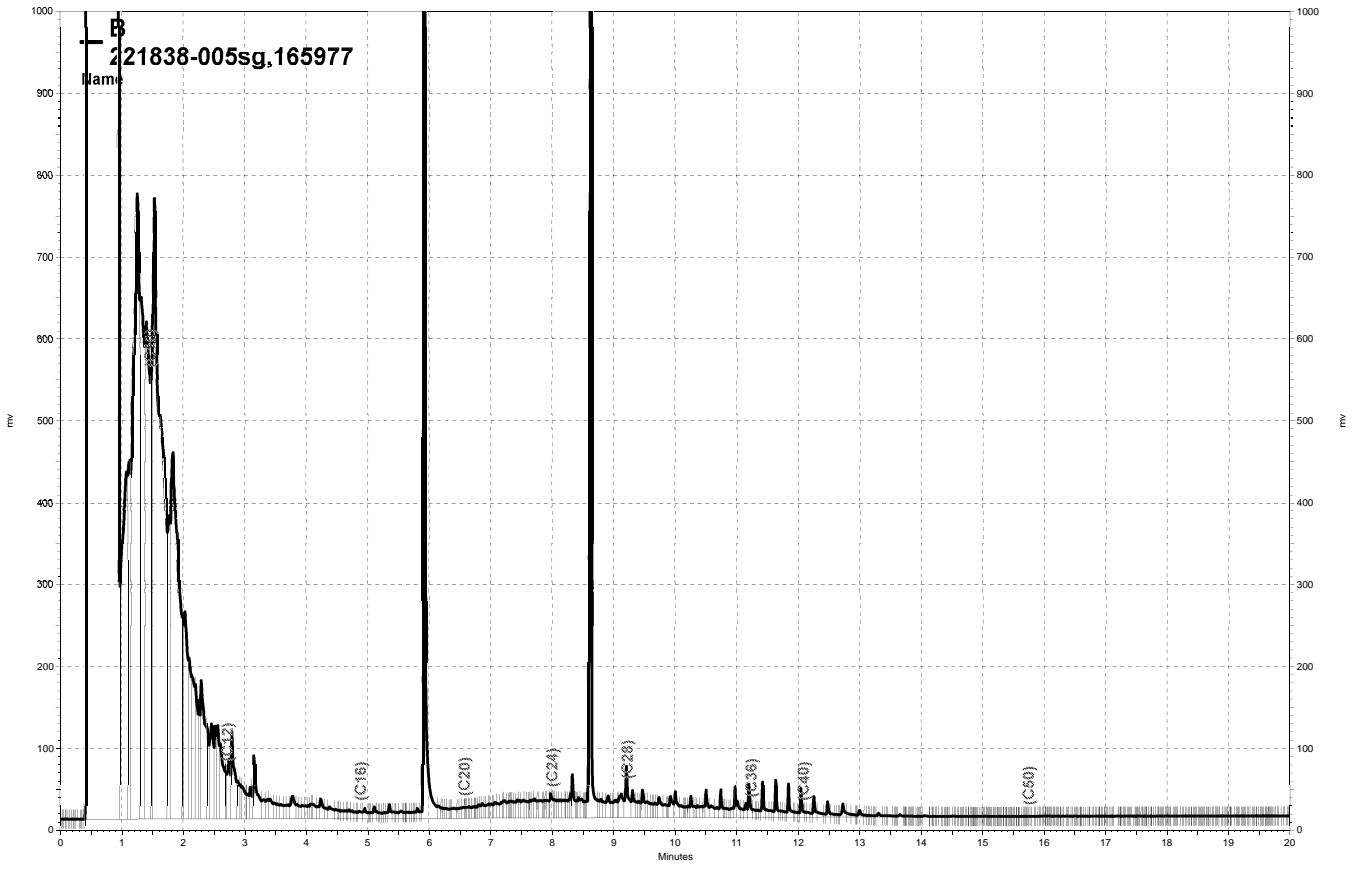
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.00	37.39	64	32-142	8	55

Surrogate	%REC	Limits
o-Terphenyl	68	45-130

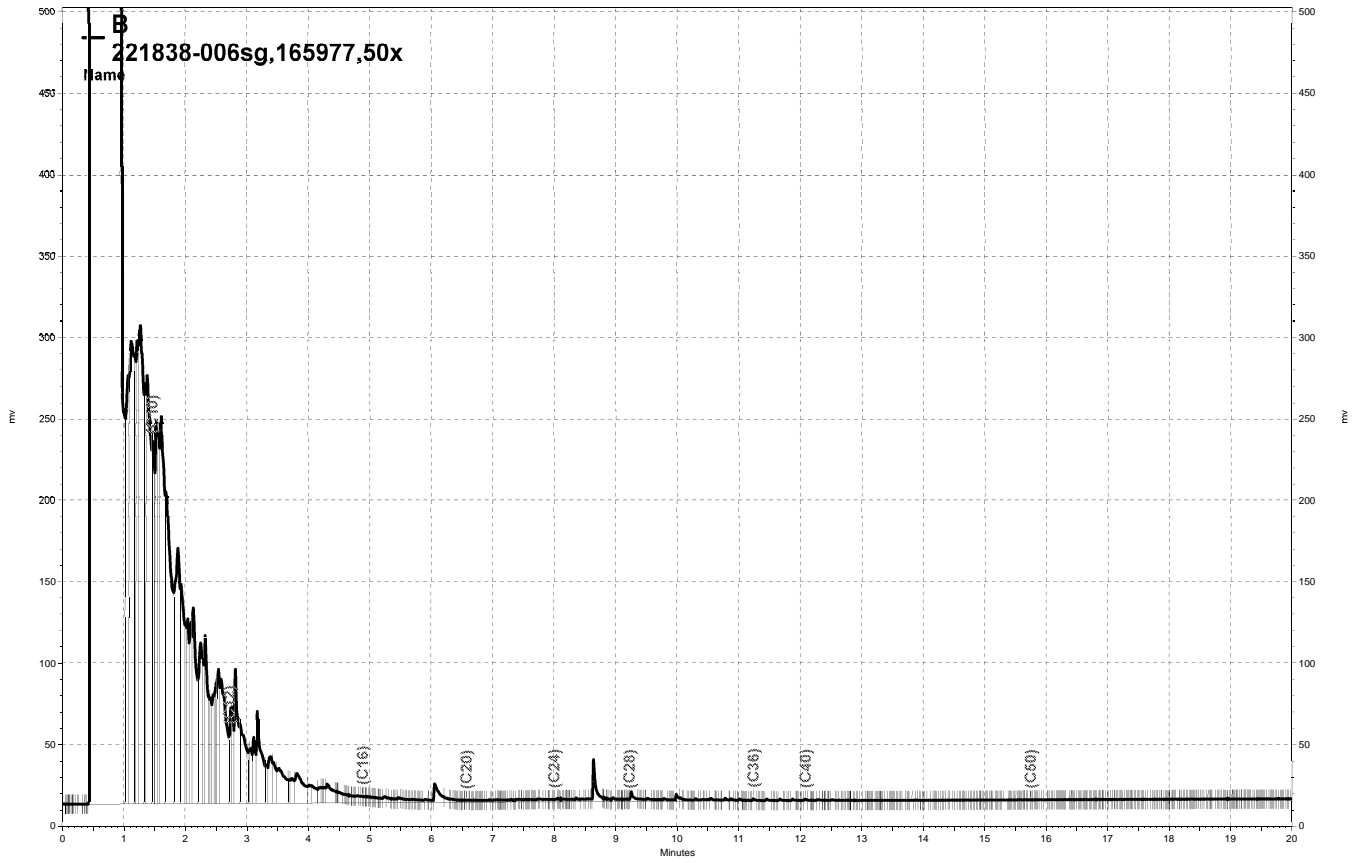
RPD= Relative Percent Difference



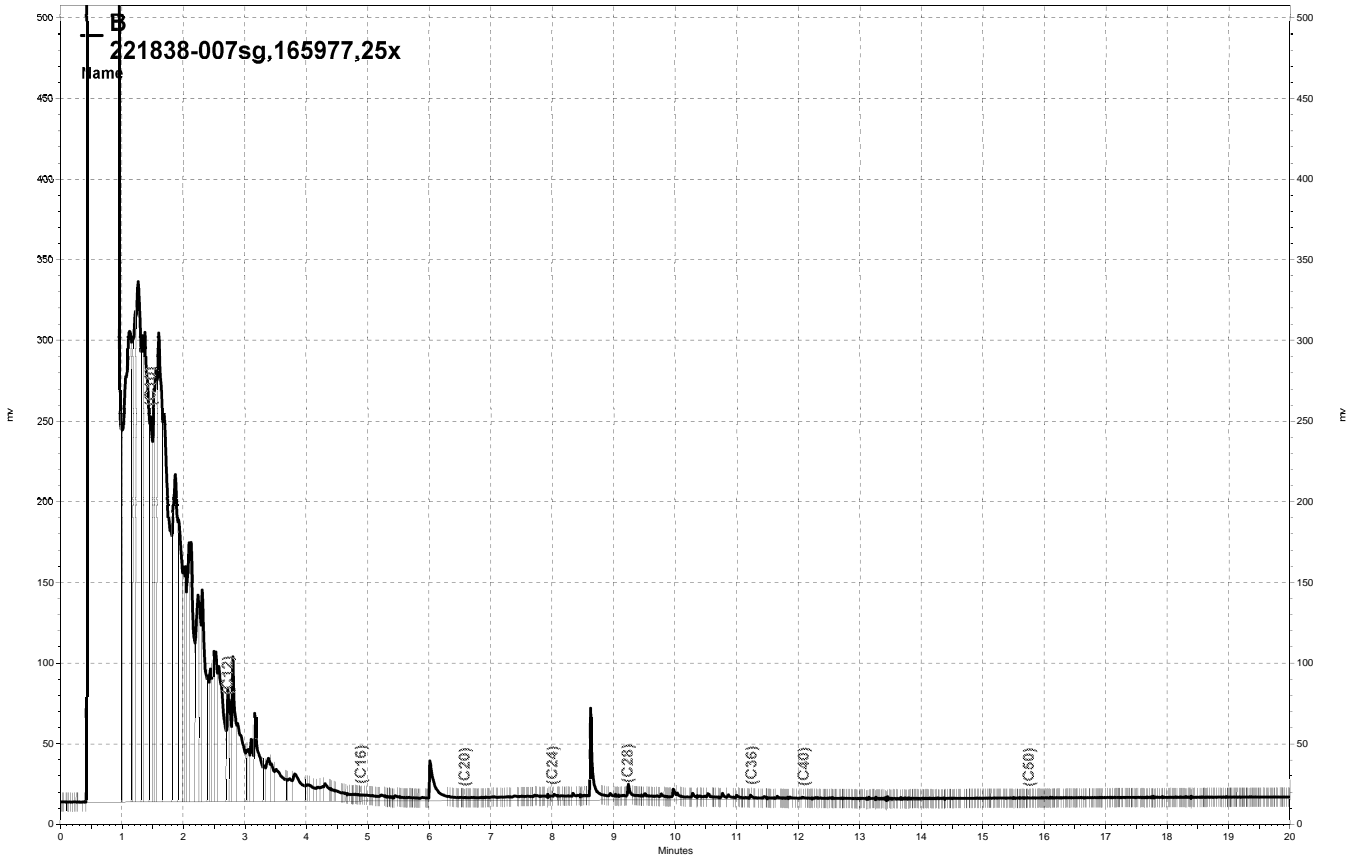
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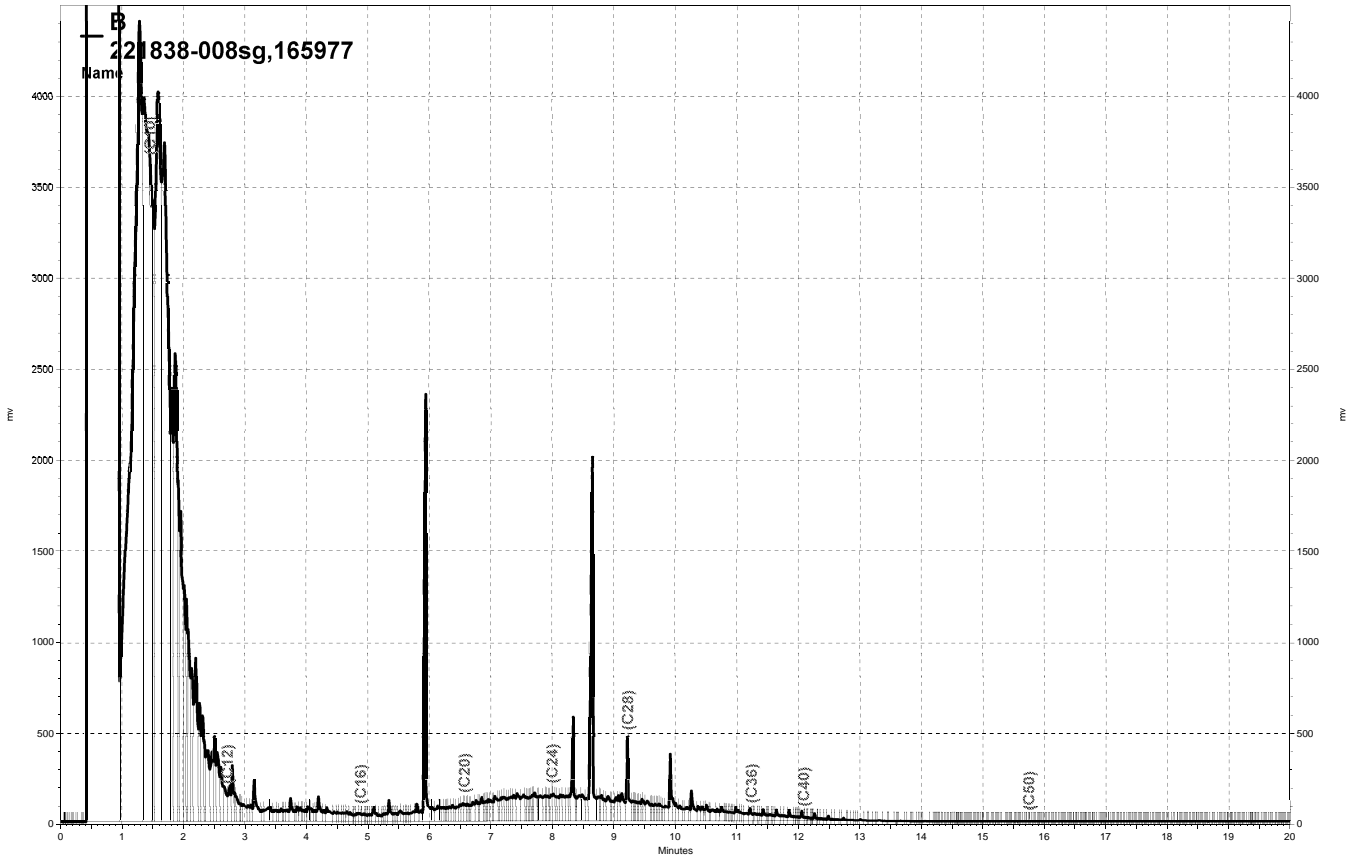
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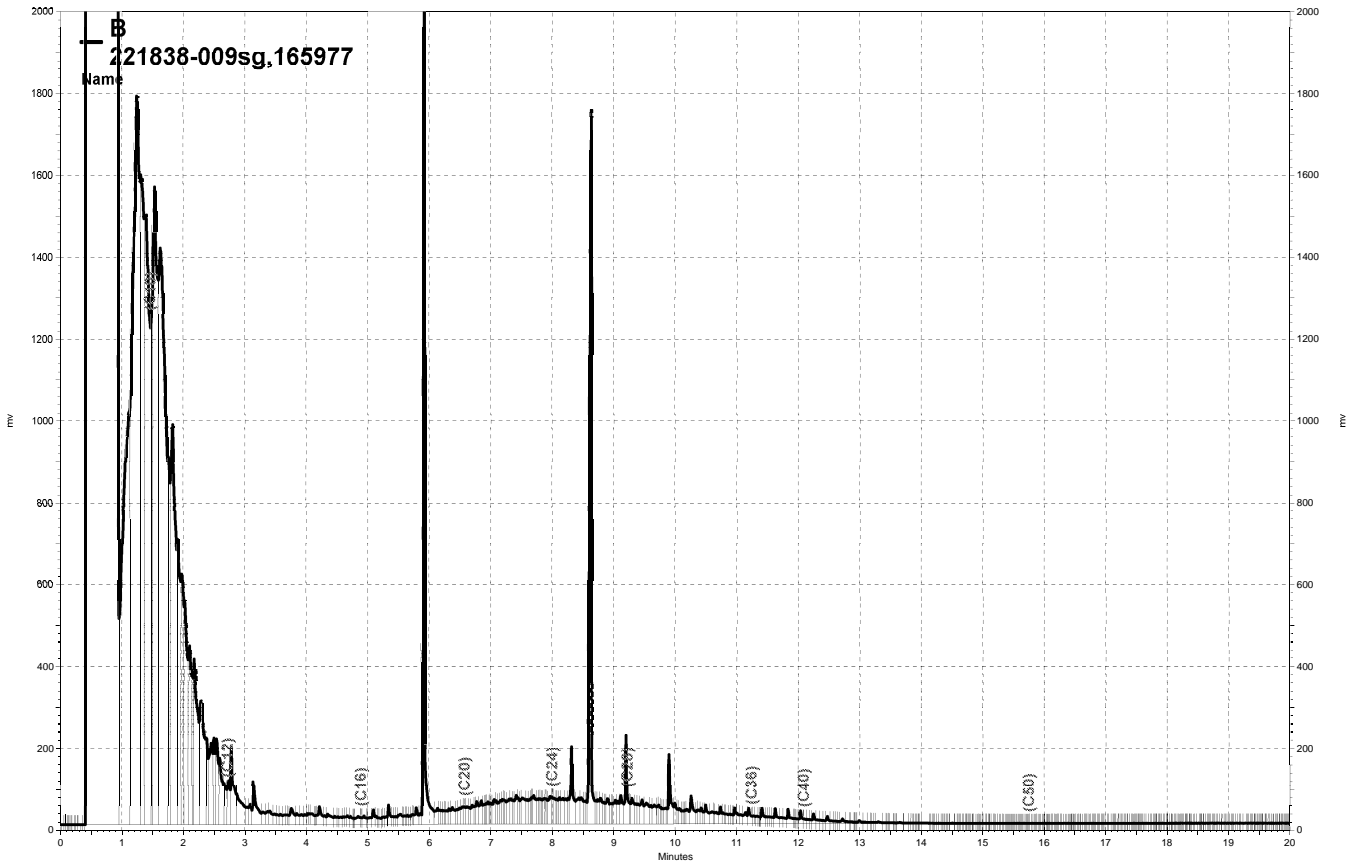
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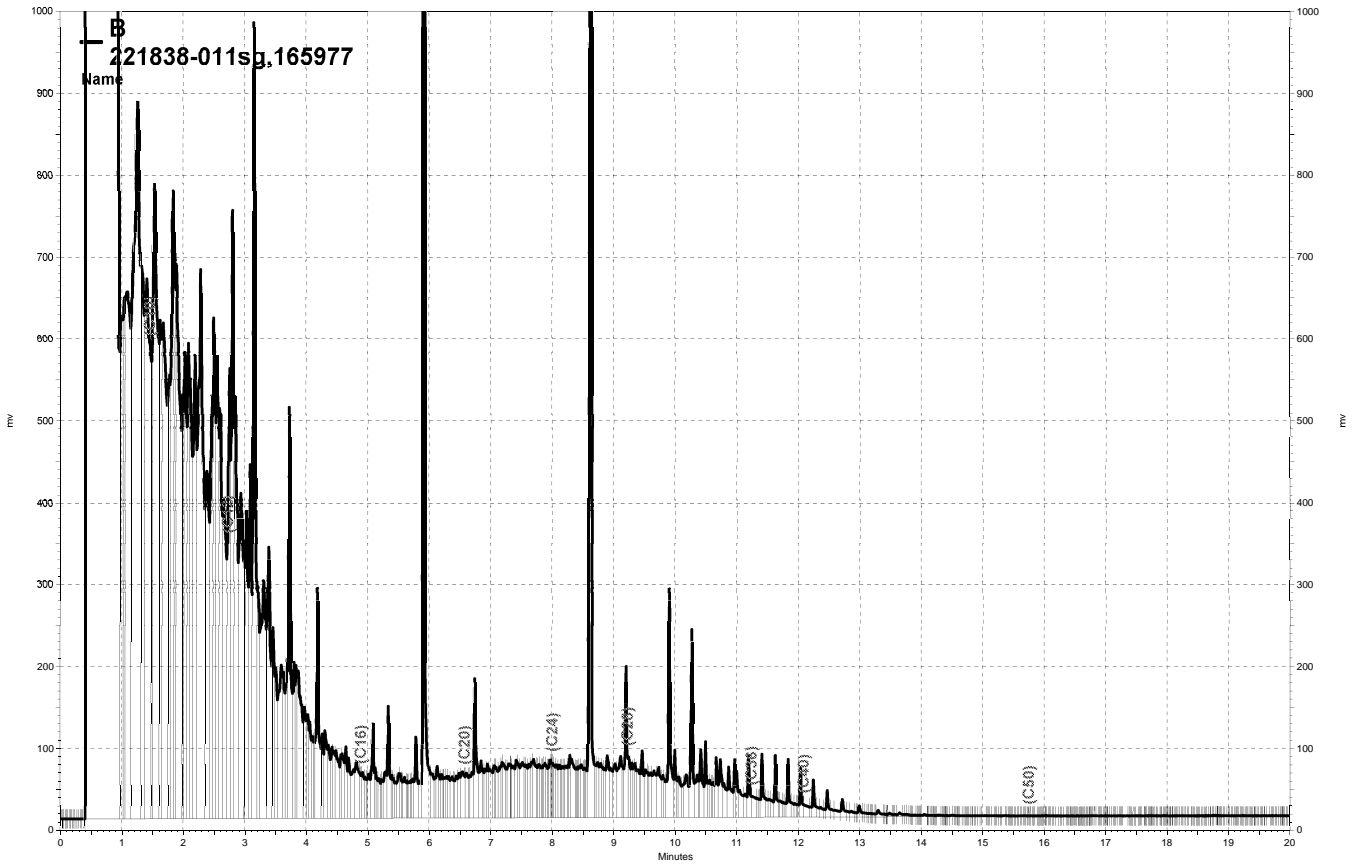
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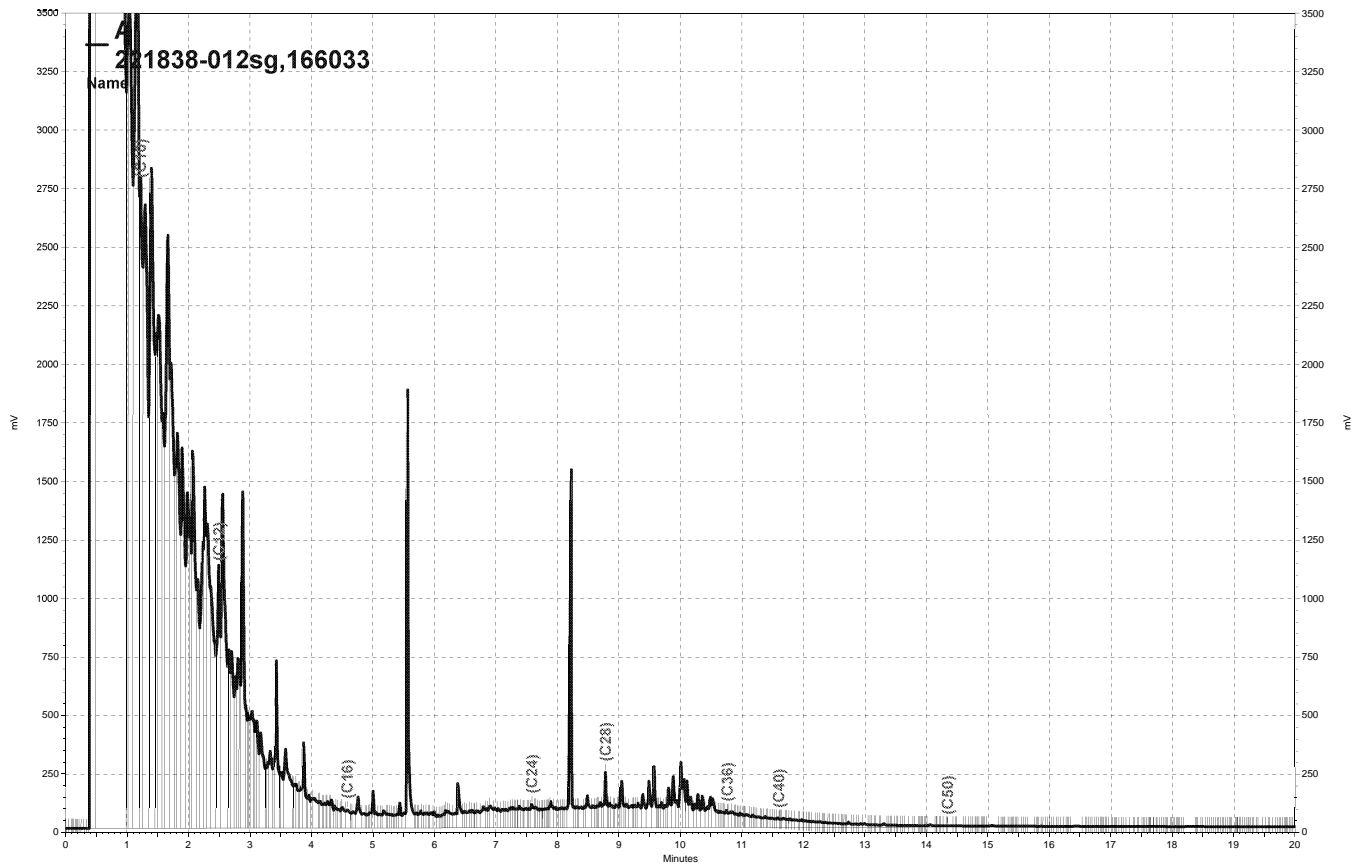
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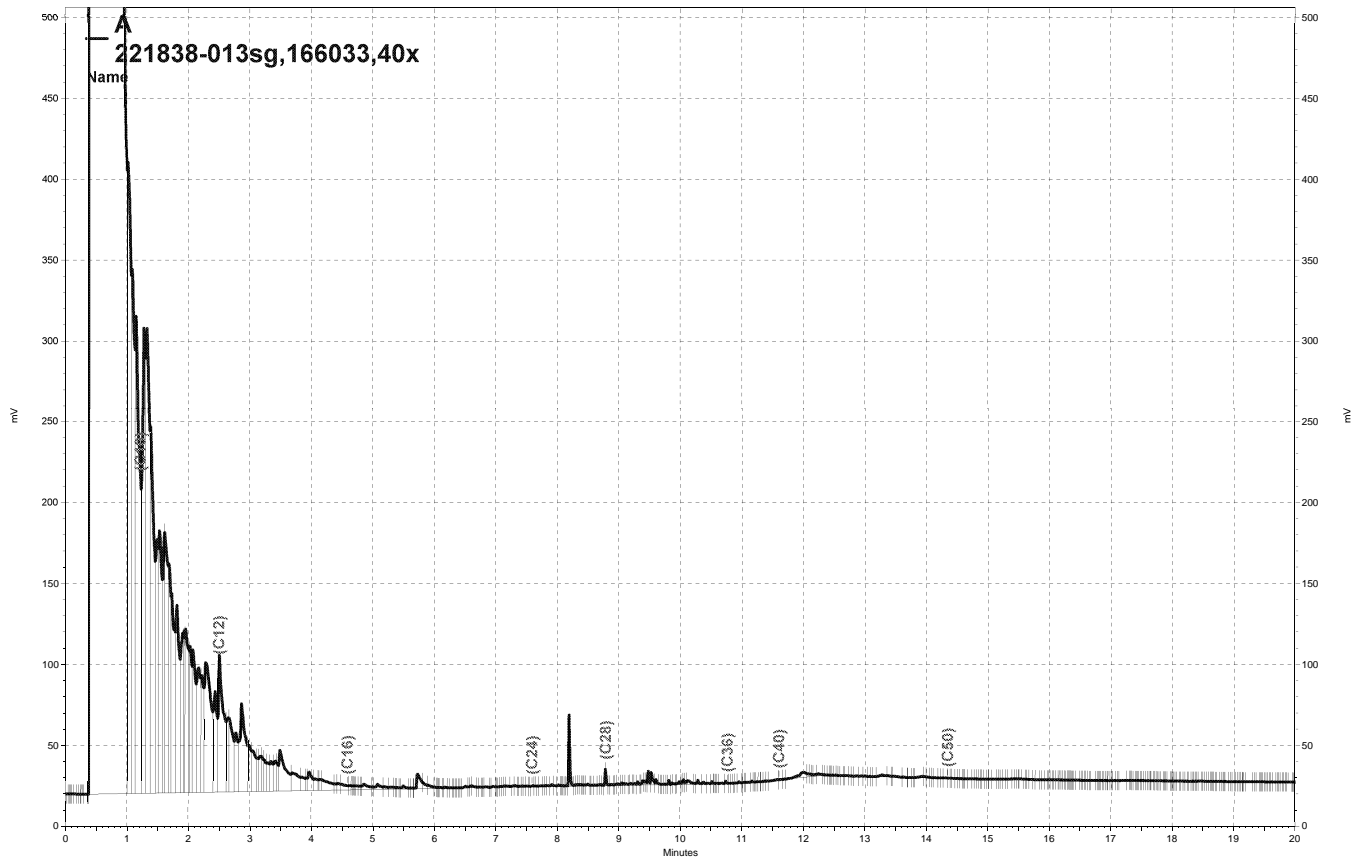
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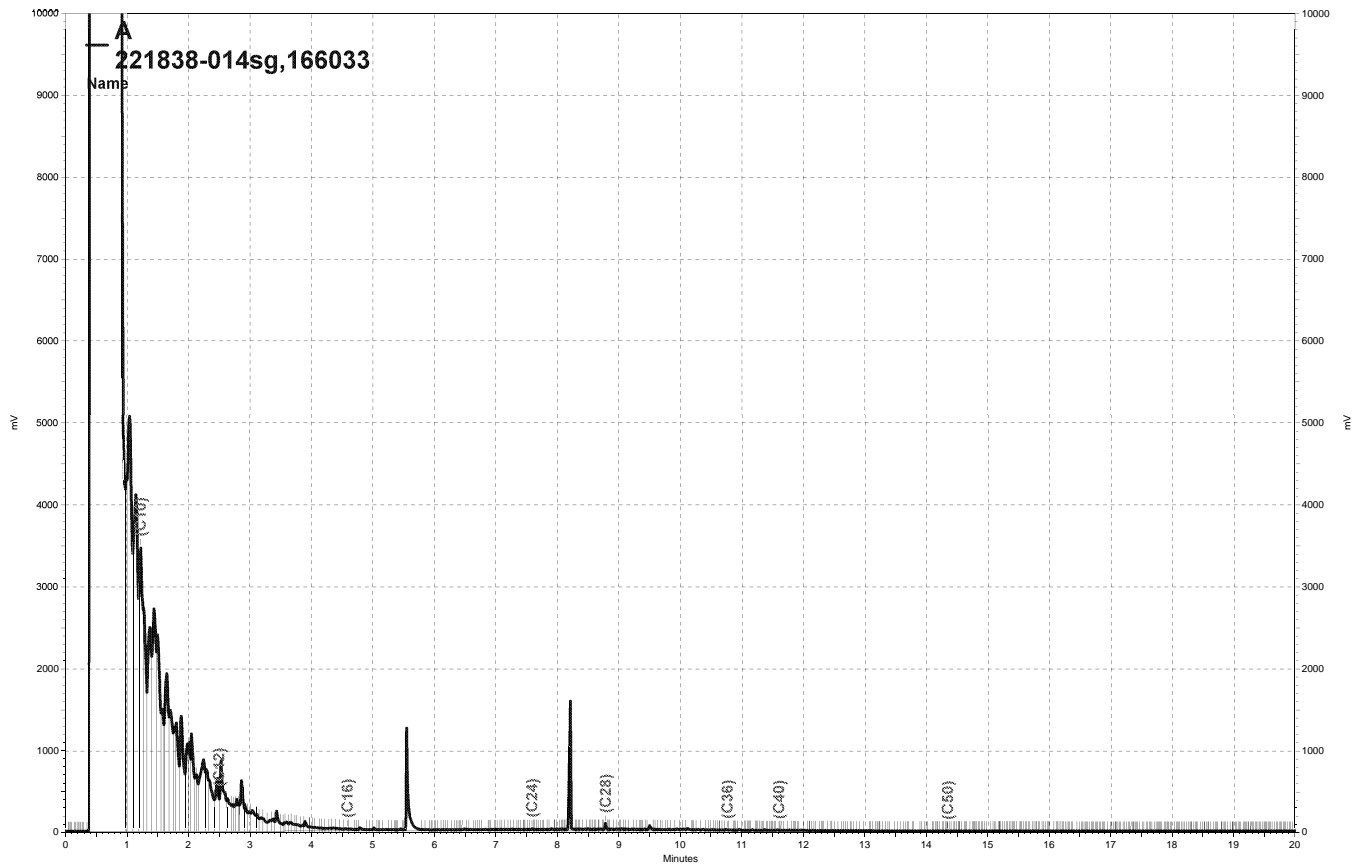
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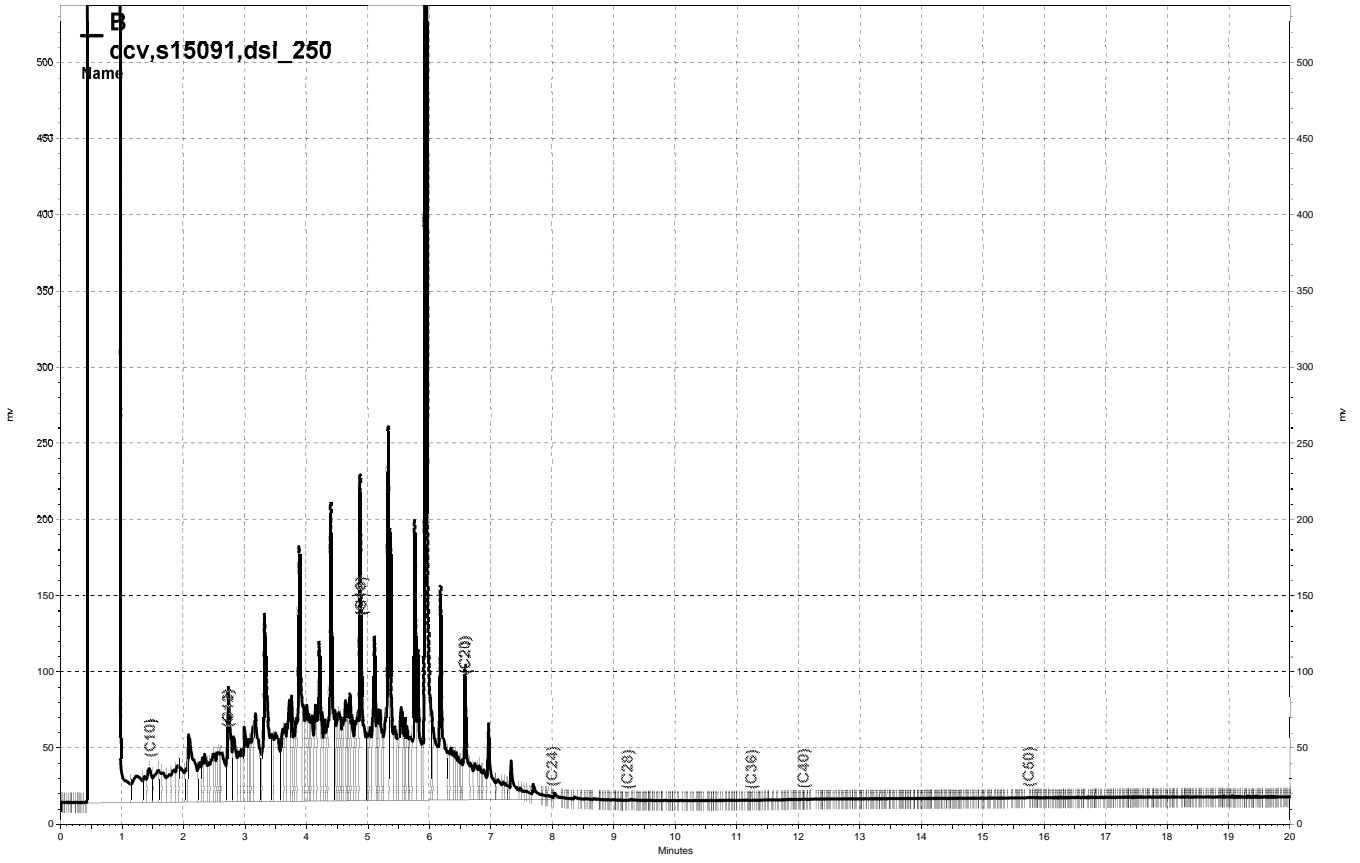
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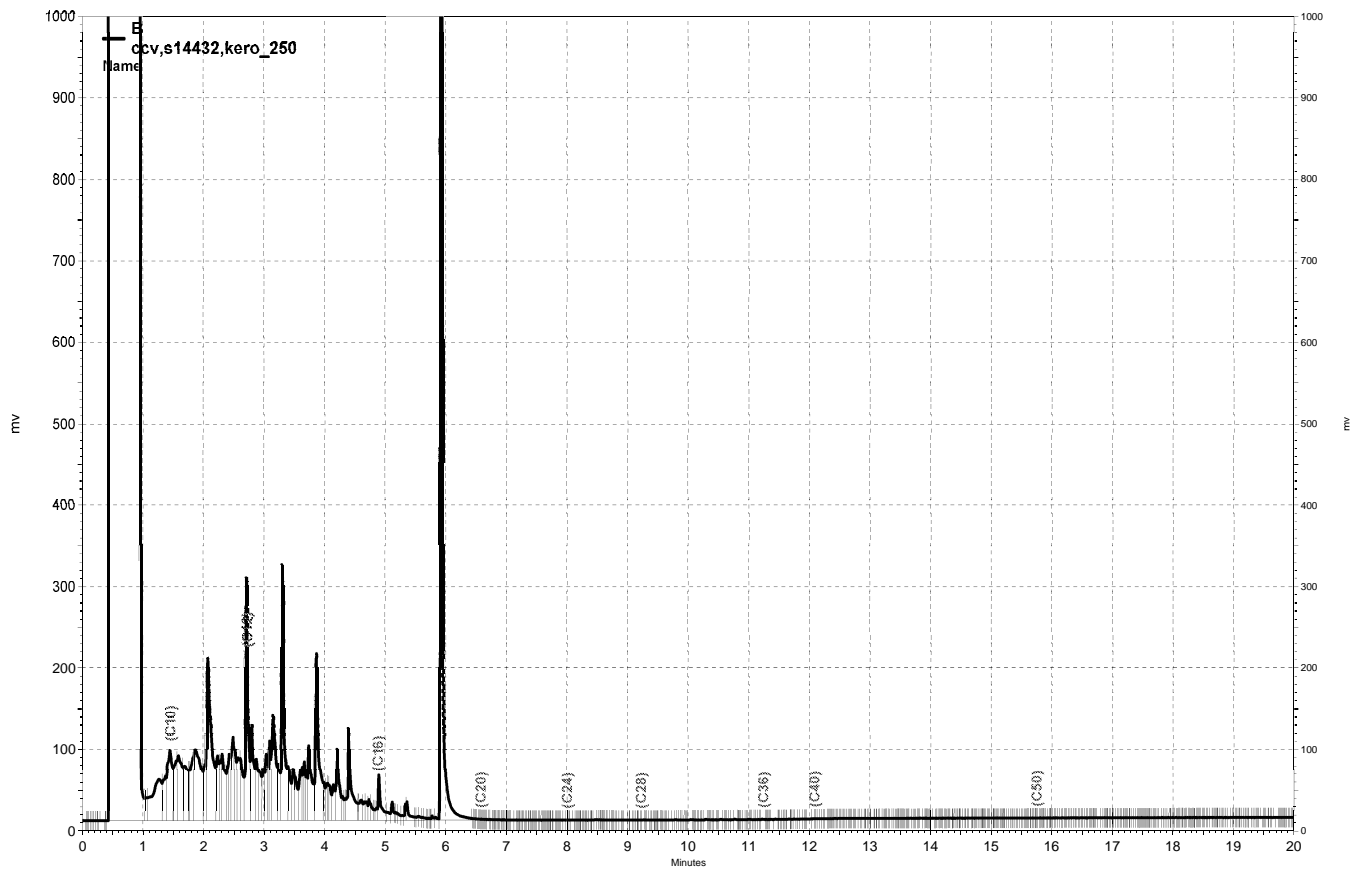
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Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1	Batch#:	165959
Lab ID:	221838-001	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/16/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	44	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	15	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	23	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	0.6	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	35	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	4.2	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	1.0	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	1.4	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	4.6	0.5
m,p-Xylenes	2.9	0.5
o-Xylene	1.6	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	9.3	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1	Batch#:	165959
Lab ID:	221838-001	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/16/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	5.2	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	2.5	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	2.1	0.5
1,2,4-Trimethylbenzene	9.9	0.5
sec-Butylbenzene	6.3	0.5
para-Isopropyl Toluene	0.9	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	0.9	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	8.9	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-122
1,2-Dichloroethane-d4	117	71-140
Toluene-d8	94	80-120
Bromofluorobenzene	111	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2	Batch#:	166051
Lab ID:	221838-002	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/18/10
Diln Fac:	2.500		

Analyte	Result	RL
Freon 12	ND	2.5
tert-Butyl Alcohol (TBA)	26	25
Chloromethane	ND	2.5
Isopropyl Ether (DIPE)	ND	1.3
Vinyl Chloride	ND	1.3
Bromomethane	ND	2.5
Ethyl tert-Butyl Ether (ETBE)	ND	1.3
Chloroethane	ND	2.5
Methyl tert-Amyl Ether (TAME)	ND	1.3
Trichlorofluoromethane	ND	2.5
Ethanol	ND	2,500
Acetone	ND	25
Freon 113	ND	5.0
1,1-Dichloroethene	ND	1.3
Methylene Chloride	ND	25
Carbon Disulfide	ND	1.3
MTBE	ND	1.3
trans-1,2-Dichloroethene	ND	1.3
Vinyl Acetate	ND	25
1,1-Dichloroethane	ND	1.3
2-Butanone	ND	25
cis-1,2-Dichloroethene	16	1.3
2,2-Dichloropropane	ND	1.3
Chloroform	ND	1.3
Bromochloromethane	ND	1.3
1,1,1-Trichloroethane	ND	1.3
1,1-Dichloropropene	ND	1.3
Carbon Tetrachloride	ND	1.3
1,2-Dichloroethane	ND	1.3
Benzene	44	1.3
Trichloroethene	ND	1.3
1,2-Dichloropropane	4.4	1.3
Bromodichloromethane	ND	1.3
Dibromomethane	ND	1.3
4-Methyl-2-Pentanone	ND	25
cis-1,3-Dichloropropene	ND	1.3
Toluene	6.5	1.3
trans-1,3-Dichloropropene	ND	1.3
1,1,2-Trichloroethane	ND	1.3
2-Hexanone	ND	25
1,3-Dichloropropane	ND	1.3
Tetrachloroethene	ND	1.3
Dibromochloromethane	ND	1.3
1,2-Dibromoethane	ND	1.3
Chlorobenzene	ND	1.3
1,1,1,2-Tetrachloroethane	ND	1.3
Ethylbenzene	52	1.3
m,p-Xylenes	94	1.3
o-Xylene	35	1.3
Styrene	ND	1.3
Bromoform	ND	2.5
Isopropylbenzene	26	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
1,2,3-Trichloropropane	ND	1.3

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2	Batch#:	166051
Lab ID:	221838-002	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/18/10
Diln Fac:	2.500		

Analyte	Result	RL
Propylbenzene	32	1.3
Bromobenzene	ND	1.3
1,3,5-Trimethylbenzene	76	1.3
2-Chlorotoluene	ND	1.3
4-Chlorotoluene	ND	1.3
tert-Butylbenzene	1.4	1.3
1,2,4-Trimethylbenzene	240	1.3
sec-Butylbenzene	22	1.3
para-Isopropyl Toluene	27	1.3
1,3-Dichlorobenzene	ND	1.3
1,4-Dichlorobenzene	ND	1.3
n-Butylbenzene	27	1.3
1,2-Dichlorobenzene	ND	1.3
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	1.3
Hexachlorobutadiene	ND	5.0
Naphthalene	76	5.0
1,2,3-Trichlorobenzene	ND	1.3

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-122
1,2-Dichloroethane-d4	115	71-140
Toluene-d8	98	80-120
Bromofluorobenzene	90	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3	Batch#:	165942
Lab ID:	221838-003	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	1.0	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	0.5	0.5
m,p-Xylenes	1.7	0.5
o-Xylene	0.8	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3	Batch#:	165942
Lab ID:	221838-003	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	0.6	0.5
1,2,4-Trimethylbenzene	1.2	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	87	71-140
Toluene-d8	95	80-120
Bromofluorobenzene	92	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556194	Batch#:	165942
Matrix:	Water	Analyzed:	08/15/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5

b= See narrative
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556194	Batch#:	165942
Matrix:	Water	Analyzed:	08/15/10
Units:	ug/L		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	0.6 b	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	0.6 b	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	89	71-140
Toluene-d8	94	80-120
Bromofluorobenzene	90	80-121

b= See narrative
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	165942
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Type: BS Lab ID: QC556195

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	95.74	77	45-152
Isopropyl Ether (DIPE)	25.00	15.95	64	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	17.69	71	60-124
Methyl tert-Amyl Ether (TAME)	25.00	20.04	80	66-120
1,1-Dichloroethene	25.00	20.30	81	72-138
Benzene	25.00	21.53	86	80-122
Trichloroethene	25.00	21.48	86	80-122
Toluene	25.00	23.09	92	80-120
Chlorobenzene	25.00	24.68	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	85	71-140
Toluene-d8	96	80-120
Bromofluorobenzene	90	80-121

Type: BSD Lab ID: QC556196

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	98.68	79	45-152	3	30
Isopropyl Ether (DIPE)	25.00	16.32	65	56-134	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	18.55	74	60-124	5	20
Methyl tert-Amyl Ether (TAME)	25.00	21.80	87	66-120	8	20
1,1-Dichloroethene	25.00	19.67	79	72-138	3	20
Benzene	25.00	22.28	89	80-122	3	20
Trichloroethene	25.00	22.36	89	80-122	4	20
Toluene	25.00	23.98	96	80-120	4	20
Chlorobenzene	25.00	25.75	103	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	87	71-140
Toluene-d8	95	80-120
Bromofluorobenzene	87	80-121

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	165942
MSS Lab ID:	221835-001	Sampled:	08/11/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Type: MS Lab ID: QC556217

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.343	125.0	97.96	78	57-142
Isopropyl Ether (DIPE)	<0.1000	25.00	18.18	73	70-122
Ethyl tert-Butyl Ether (ETBE)	<0.1000	25.00	20.14	81	71-120
Methyl tert-Amyl Ether (TAME)	<0.1000	25.00	22.25	89	75-120
1,1-Dichloroethene	<0.1000	25.00	22.49	90	80-134
Benzene	<0.1000	25.00	24.03	96	80-121
Trichloroethene	3.298	25.00	27.59	97	77-126
Toluene	<0.1000	25.00	25.49	102	80-120
Chlorobenzene	<0.1000	25.00	27.27	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	87	71-140
Toluene-d8	94	80-120
Bromofluorobenzene	90	80-121

Type: MSD Lab ID: QC556218

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	95.16	76	57-142	3	32
Isopropyl Ether (DIPE)	25.00	17.34	69 *	70-122	5	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.33	77	71-120	4	20
Methyl tert-Amyl Ether (TAME)	25.00	21.50	86	75-120	3	20
1,1-Dichloroethene	25.00	20.68	83	80-134	8	20
Benzene	25.00	22.83	91	80-121	5	20
Trichloroethene	25.00	25.94	91	77-126	6	20
Toluene	25.00	24.66	99	80-120	3	20
Chlorobenzene	25.00	26.20	105	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	87	71-140
Toluene-d8	95	80-120
Bromofluorobenzene	89	80-121

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	165959
Units:	ug/L	Analyzed:	08/16/10
Diln Fac:	1.000		

Type: BS Lab ID: QC556268

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	117.7	94	45-152
Isopropyl Ether (DIPE)	25.00	25.20	101	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	24.11	96	60-124
Methyl tert-Amyl Ether (TAME)	25.00	22.68	91	66-120
1,1-Dichloroethene	25.00	23.71	95	72-138
Benzene	25.00	23.89	96	80-122
Trichloroethene	25.00	23.34	93	80-122
Toluene	25.00	24.20	97	80-120
Chlorobenzene	25.00	24.44	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-122
1,2-Dichloroethane-d4	115	71-140
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-121

Type: BSD Lab ID: QC556269

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	117.5	94	45-152	0	30
Isopropyl Ether (DIPE)	25.00	24.92	100	56-134	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.97	96	60-124	1	20
Methyl tert-Amyl Ether (TAME)	25.00	22.78	91	66-120	0	20
1,1-Dichloroethene	25.00	21.02	84	72-138	12	20
Benzene	25.00	23.40	94	80-122	2	20
Trichloroethene	25.00	22.35	89	80-122	4	20
Toluene	25.00	24.35	97	80-120	1	20
Chlorobenzene	25.00	24.29	97	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-122
1,2-Dichloroethane-d4	117	71-140
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-121

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556270	Batch#:	165959
Matrix:	Water	Analyzed:	08/16/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556270	Batch#:	165959
Matrix:	Water	Analyzed:	08/16/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	117	71-140
Toluene-d8	110	80-120
Bromofluorobenzene	112	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	166051
Units:	ug/L	Analyzed:	08/18/10
Diln Fac:	1.000		

Type: BS Lab ID: QC556636

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	102.5	82	45-152
Isopropyl Ether (DIPE)	25.00	22.34	89	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	20.46 b	82	60-124
Methyl tert-Amyl Ether (TAME)	25.00	20.30	81	66-120
1,1-Dichloroethene	25.00	25.45	102	72-138
Benzene	25.00	26.37	105	80-122
Trichloroethene	25.00	22.19	89	80-122
Toluene	25.00	25.68	103	80-120
Chlorobenzene	25.00	25.58	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	105	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	95	80-121

Type: BSD Lab ID: QC556637

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	135.4	108	45-152	28	30
Isopropyl Ether (DIPE)	25.00	25.37	101	56-134	13	20
Ethyl tert-Butyl Ether (ETBE)	25.00	21.01 b	84	60-124	3	20
Methyl tert-Amyl Ether (TAME)	25.00	20.15	81	66-120	1	20
1,1-Dichloroethene	25.00	24.99	100	72-138	2	20
Benzene	25.00	25.37	101	80-122	4	20
Trichloroethene	25.00	21.36	85	80-122	4	20
Toluene	25.00	24.89	100	80-120	3	20
Chlorobenzene	25.00	25.06	100	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	103	71-140
Toluene-d8	103	80-120
Bromofluorobenzene	94	80-121

b= See narrative
 RPD= Relative Percent Difference
 Page 1 of 1

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556638	Batch#:	166051
Matrix:	Water	Analyzed:	08/18/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556638	Batch#:	166051
Matrix:	Water	Analyzed:	08/18/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	115	80-122
1,2-Dichloroethane-d4	106	71-140
Toluene-d8	105	80-120
Bromofluorobenzene	103	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@5FT	Diln Fac:	1,000
Lab ID:	221838-004	Batch#:	166110
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Freon 12	ND	10,000
tert-Butyl Alcohol (TBA)	ND	100,000
Chloromethane	ND	10,000
Isopropyl Ether (DIPE)	ND	5,000
Vinyl Chloride	ND	10,000
Bromomethane	ND	10,000
Ethyl tert-Butyl Ether (ETBE)	ND	5,000
Chloroethane	ND	10,000
Methyl tert-Amyl Ether (TAME)	ND	5,000
Trichlorofluoromethane	ND	5,000
Ethanol	ND	1,000,000
Acetone	ND	20,000
Freon 113	ND	5,000
1,1-Dichloroethene	ND	5,000
Methylene Chloride	ND	20,000
Carbon Disulfide	ND	5,000
MTBE	ND	5,000
trans-1,2-Dichloroethene	ND	5,000
Vinyl Acetate	ND	50,000
1,1-Dichloroethane	ND	5,000
2-Butanone	ND	10,000
cis-1,2-Dichloroethene	ND	5,000
2,2-Dichloropropane	ND	5,000
Chloroform	ND	5,000
Bromochloromethane	ND	5,000
1,1,1-Trichloroethane	ND	5,000
1,1-Dichloropropene	ND	5,000
Carbon Tetrachloride	ND	5,000
1,2-Dichloroethane	ND	5,000
Benzene	ND	5,000
Trichloroethene	ND	5,000
1,2-Dichloropropane	ND	5,000
Bromodichloromethane	ND	5,000
Dibromomethane	ND	5,000
4-Methyl-2-Pentanone	ND	10,000
cis-1,3-Dichloropropene	ND	5,000
Toluene	ND	5,000
trans-1,3-Dichloropropene	ND	5,000
1,1,2-Trichloroethane	ND	5,000
2-Hexanone	ND	10,000
1,3-Dichloropropane	ND	5,000
Tetrachloroethene	ND	5,000
Dibromochloromethane	ND	5,000
1,2-Dibromoethane	ND	5,000
Chlorobenzene	ND	5,000
1,1,1,2-Tetrachloroethane	ND	5,000
Ethylbenzene	ND	5,000
m,p-Xylenes	ND	5,000
o-Xylene	ND	5,000
Styrene	ND	5,000
Bromoform	ND	5,000
Isopropylbenzene	ND	5,000

*= Value outside of QC limits; see narrative

DO= Diluted Out

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@5FT	Diln Fac:	1,000
Lab ID:	221838-004	Batch#:	166110
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
1,1,2,2-Tetrachloroethane	ND	5,000
1,2,3-Trichloropropane	ND	5,000
Propylbenzene	ND	5,000
Bromobenzene	ND	5,000
1,3,5-Trimethylbenzene	ND	5,000
2-Chlorotoluene	ND	5,000
4-Chlorotoluene	ND	5,000
tert-Butylbenzene	ND	5,000
1,2,4-Trimethylbenzene	ND	5,000
sec-Butylbenzene	ND	5,000
para-Isopropyl Toluene	ND	5,000
1,3-Dichlorobenzene	ND	5,000
1,4-Dichlorobenzene	ND	5,000
n-Butylbenzene	ND	5,000
1,2-Dichlorobenzene	ND	5,000
1,2-Dibromo-3-Chloropropane	ND	5,000
1,2,4-Trichlorobenzene	ND	5,000
Hexachlorobutadiene	ND	5,000
Naphthalene	ND	5,000
1,2,3-Trichlorobenzene	ND	5,000

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-122
1,2-Dichloroethane-d4	105	68-152
Toluene-d8	105	80-120
Bromofluorobenzene	151 *	76-132
Trifluorotoluene (MeOH)	DO	60-150

*= Value outside of QC limits; see narrative
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@13FT	Diln Fac:	50.00
Lab ID:	221838-005	Batch#:	166160
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/20/10

Analyte	Result	RL
Freon 12	ND	500
tert-Butyl Alcohol (TBA)	ND	5,000
Chloromethane	ND	500
Isopropyl Ether (DIPE)	ND	250
Vinyl Chloride	ND	500
Bromomethane	ND	500
Ethyl tert-Butyl Ether (ETBE)	ND	250
Chloroethane	ND	500
Methyl tert-Amyl Ether (TAME)	ND	250
Trichlorofluoromethane	ND	250
Ethanol	ND	50,000
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@13FT	Diln Fac:	50.00
Lab ID:	221838-005	Batch#:	166160
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/20/10

Analyte	Result	RL
Propylbenzene	ND	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	ND	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	94	78-122
1,2-Dichloroethane-d4	140	68-152
Toluene-d8	91	80-120
Bromofluorobenzene	115	76-132
Trifluorotoluene (MeOH)	103	60-150

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@18FT	Diln Fac:	1,000
Lab ID:	221838-006	Batch#:	166110
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Freon 12	ND	10,000
tert-Butyl Alcohol (TBA)	ND	100,000
Chloromethane	ND	10,000
Isopropyl Ether (DIPE)	ND	5,000
Vinyl Chloride	ND	10,000
Bromomethane	ND	10,000
Ethyl tert-Butyl Ether (ETBE)	ND	5,000
Chloroethane	ND	10,000
Methyl tert-Amyl Ether (TAME)	ND	5,000
Trichlorofluoromethane	ND	5,000
Ethanol	ND	1,000,000
Acetone	ND	20,000
Freon 113	ND	5,000
1,1-Dichloroethene	ND	5,000
Methylene Chloride	ND	20,000
Carbon Disulfide	ND	5,000
MTBE	ND	5,000
trans-1,2-Dichloroethene	ND	5,000
Vinyl Acetate	ND	50,000
1,1-Dichloroethane	ND	5,000
2-Butanone	ND	10,000
cis-1,2-Dichloroethene	ND	5,000
2,2-Dichloropropane	ND	5,000
Chloroform	ND	5,000
Bromochloromethane	ND	5,000
1,1,1-Trichloroethane	ND	5,000
1,1-Dichloropropene	ND	5,000
Carbon Tetrachloride	ND	5,000
1,2-Dichloroethane	ND	5,000
Benzene	ND	5,000
Trichloroethene	ND	5,000
1,2-Dichloropropane	ND	5,000
Bromodichloromethane	ND	5,000
Dibromomethane	ND	5,000
4-Methyl-2-Pentanone	ND	10,000
cis-1,3-Dichloropropene	ND	5,000
Toluene	ND	5,000
trans-1,3-Dichloropropene	ND	5,000
1,1,2-Trichloroethane	ND	5,000
2-Hexanone	ND	10,000
1,3-Dichloropropane	ND	5,000
Tetrachloroethene	ND	5,000
Dibromochloromethane	ND	5,000
1,2-Dibromoethane	ND	5,000
Chlorobenzene	ND	5,000
1,1,1,2-Tetrachloroethane	ND	5,000
Ethylbenzene	ND	5,000
m,p-Xylenes	7,400	5,000
o-Xylene	ND	5,000
Styrene	ND	5,000
Bromoform	ND	5,000
Isopropylbenzene	7,500	5,000
1,1,2,2-Tetrachloroethane	ND	5,000

DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@18FT	Diln Fac:	1,000
Lab ID:	221838-006	Batch#:	166110
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
1,2,3-Trichloropropane	ND	5,000
Propylbenzene	10,000	5,000
Bromobenzene	ND	5,000
1,3,5-Trimethylbenzene	14,000	5,000
2-Chlorotoluene	ND	5,000
4-Chlorotoluene	ND	5,000
tert-Butylbenzene	ND	5,000
1,2,4-Trimethylbenzene	38,000	5,000
sec-Butylbenzene	5,000	5,000
para-Isopropyl Toluene	ND	5,000
1,3-Dichlorobenzene	ND	5,000
1,4-Dichlorobenzene	ND	5,000
n-Butylbenzene	ND	5,000
1,2-Dichlorobenzene	ND	5,000
1,2-Dibromo-3-Chloropropane	ND	5,000
1,2,4-Trichlorobenzene	ND	5,000
Hexachlorobutadiene	ND	5,000
Naphthalene	6,100	5,000
1,2,3-Trichlorobenzene	ND	5,000

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-122
1,2-Dichloroethane-d4	100	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	122	76-132
Trifluorotoluene (MeOH)	DO	60-150

DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@21FT	Diln Fac:	50.00
Lab ID:	221838-007	Batch#:	166111
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Freon 12	ND	500
tert-Butyl Alcohol (TBA)	ND	5,000
Chloromethane	ND	500
Isopropyl Ether (DIPE)	ND	250
Vinyl Chloride	ND	500
Bromomethane	ND	500
Ethyl tert-Butyl Ether (ETBE)	ND	250
Chloroethane	ND	500
Methyl tert-Amyl Ether (TAME)	ND	250
Trichlorofluoromethane	ND	250
Ethanol	ND	50,000
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-2@21FT	Diln Fac:	50.00
Lab ID:	221838-007	Batch#:	166111
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Propylbenzene	ND	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	ND	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-122
1,2-Dichloroethane-d4	134	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	112	76-132
Trifluorotoluene (MeOH)	87	60-150

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@8FT	Diln Fac:	100.0
Lab ID:	221838-008	Batch#:	166160
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/20/10

Analyte	Result	RL
Freon 12	ND	1,000
tert-Butyl Alcohol (TBA)	ND	10,000
Chloromethane	ND	1,000
Isopropyl Ether (DIPE)	ND	500
Vinyl Chloride	ND	1,000
Bromomethane	ND	1,000
Ethyl tert-Butyl Ether (ETBE)	ND	500
Chloroethane	ND	1,000
Methyl tert-Amyl Ether (TAME)	ND	500
Trichlorofluoromethane	ND	500
Ethanol	ND	100,000
Acetone	ND	2,000
Freon 113	ND	500
1,1-Dichloroethene	ND	500
Methylene Chloride	ND	2,000
Carbon Disulfide	ND	500
MTBE	ND	500
trans-1,2-Dichloroethene	ND	500
Vinyl Acetate	ND	5,000
1,1-Dichloroethane	ND	500
2-Butanone	ND	1,000
cis-1,2-Dichloroethene	ND	500
2,2-Dichloropropane	ND	500
Chloroform	ND	500
Bromochloromethane	ND	500
1,1,1-Trichloroethane	ND	500
1,1-Dichloropropene	ND	500
Carbon Tetrachloride	ND	500
1,2-Dichloroethane	ND	500
Benzene	ND	500
Trichloroethene	ND	500
1,2-Dichloropropane	ND	500
Bromodichloromethane	ND	500
Dibromomethane	ND	500
4-Methyl-2-Pentanone	ND	1,000
cis-1,3-Dichloropropene	ND	500
Toluene	ND	500
trans-1,3-Dichloropropene	ND	500
1,1,2-Trichloroethane	ND	500
2-Hexanone	ND	1,000
1,3-Dichloropropane	ND	500
Tetrachloroethene	ND	500
Dibromochloromethane	ND	500
1,2-Dibromoethane	ND	500
Chlorobenzene	ND	500
1,1,1,2-Tetrachloroethane	ND	500
Ethylbenzene	ND	500
m,p-Xylenes	ND	500
o-Xylene	ND	500
Styrene	ND	500
Bromoform	ND	500
Isopropylbenzene	ND	500
1,1,2,2-Tetrachloroethane	ND	500
1,2,3-Trichloropropane	ND	500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@8FT	Diln Fac:	100.0
Lab ID:	221838-008	Batch#:	166160
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/20/10

Analyte	Result	RL
Propylbenzene	ND	500
Bromobenzene	ND	500
1,3,5-Trimethylbenzene	ND	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
tert-Butylbenzene	ND	500
1,2,4-Trimethylbenzene	ND	500
sec-Butylbenzene	ND	500
para-Isopropyl Toluene	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
n-Butylbenzene	ND	500
1,2-Dichlorobenzene	ND	500
1,2-Dibromo-3-Chloropropane	ND	500
1,2,4-Trichlorobenzene	ND	500
Hexachlorobutadiene	ND	500
Naphthalene	ND	500
1,2,3-Trichlorobenzene	ND	500

Surrogate	%REC	Limits
Dibromofluoromethane	91	78-122
1,2-Dichloroethane-d4	140	68-152
Toluene-d8	94	80-120
Bromofluorobenzene	126	76-132
Trifluorotoluene (MeOH)	117	60-150

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@12FT	Diln Fac:	50.00
Lab ID:	221838-009	Batch#:	166160
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/20/10

Analyte	Result	RL
Freon 12	ND	500
tert-Butyl Alcohol (TBA)	ND	5,000
Chloromethane	ND	500
Isopropyl Ether (DIPE)	ND	250
Vinyl Chloride	ND	500
Bromomethane	ND	500
Ethyl tert-Butyl Ether (ETBE)	ND	250
Chloroethane	ND	500
Methyl tert-Amyl Ether (TAME)	ND	250
Trichlorofluoromethane	ND	250
Ethanol	ND	50,000
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@12FT	Diln Fac:	50.00
Lab ID:	221838-009	Batch#:	166160
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/20/10

Analyte	Result	RL
Propylbenzene	ND	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	ND	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-122
1,2-Dichloroethane-d4	138	68-152
Toluene-d8	93	80-120
Bromofluorobenzene	119	76-132
Trifluorotoluene (MeOH)	102	60-150

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@16FT	Diln Fac:	0.9634
Lab ID:	221838-010	Batch#:	166062
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/18/10

Analyte	Result	RL
Freon 12	ND	9.6
tert-Butyl Alcohol (TBA)	ND	96
Chloromethane	ND	9.6
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.6
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
Ethanol	ND	960
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@16FT	Diln Fac:	0.9634
Lab ID:	221838-010	Batch#:	166062
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/18/10

Analyte	Result	RL
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	85	78-122
1,2-Dichloroethane-d4	93	68-152
Toluene-d8	100	80-120
Bromofluorobenzene	120	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@6FT	Diln Fac:	1.000
Lab ID:	221838-011	Batch#:	166062
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/18/10

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
Acetone	63	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@6FT	Diln Fac:	1.000
Lab ID:	221838-011	Batch#:	166062
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/18/10

Analyte	Result	RL
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	95	78-122
1,2-Dichloroethane-d4	94	68-152
Toluene-d8	100	80-120
Bromofluorobenzene	176 *	76-132

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@12FT	Diln Fac:	1,000
Lab ID:	221838-012	Batch#:	166110
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Freon 12	ND	10,000
tert-Butyl Alcohol (TBA)	ND	100,000
Chloromethane	ND	10,000
Isopropyl Ether (DIPE)	ND	5,000
Vinyl Chloride	ND	10,000
Bromomethane	ND	10,000
Ethyl tert-Butyl Ether (ETBE)	ND	5,000
Chloroethane	ND	10,000
Methyl tert-Amyl Ether (TAME)	ND	5,000
Trichlorofluoromethane	ND	5,000
Ethanol	ND	1,000,000
Acetone	ND	20,000
Freon 113	ND	5,000
1,1-Dichloroethene	ND	5,000
Methylene Chloride	ND	20,000
Carbon Disulfide	ND	5,000
MTBE	ND	5,000
trans-1,2-Dichloroethene	ND	5,000
Vinyl Acetate	ND	50,000
1,1-Dichloroethane	ND	5,000
2-Butanone	ND	10,000
cis-1,2-Dichloroethene	ND	5,000
2,2-Dichloropropane	ND	5,000
Chloroform	ND	5,000
Bromochloromethane	ND	5,000
1,1,1-Trichloroethane	ND	5,000
1,1-Dichloropropene	ND	5,000
Carbon Tetrachloride	ND	5,000
1,2-Dichloroethane	ND	5,000
Benzene	ND	5,000
Trichloroethene	ND	5,000
1,2-Dichloropropane	ND	5,000
Bromodichloromethane	ND	5,000
Dibromomethane	ND	5,000
4-Methyl-2-Pentanone	ND	10,000
cis-1,3-Dichloropropene	ND	5,000
Toluene	ND	5,000
trans-1,3-Dichloropropene	ND	5,000
1,1,2-Trichloroethane	ND	5,000
2-Hexanone	ND	10,000
1,3-Dichloropropane	ND	5,000
Tetrachloroethene	ND	5,000
Dibromochloromethane	ND	5,000
1,2-Dibromoethane	ND	5,000
Chlorobenzene	ND	5,000
1,1,1,2-Tetrachloroethane	ND	5,000
Ethylbenzene	ND	5,000
m,p-Xylenes	ND	5,000
o-Xylene	ND	5,000
Styrene	ND	5,000
Bromoform	ND	5,000
Isopropylbenzene	ND	5,000

*= Value outside of QC limits; see narrative

DO= Diluted Out

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@12FT	Diln Fac:	1,000
Lab ID:	221838-012	Batch#:	166110
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
1,1,2,2-Tetrachloroethane	ND	5,000
1,2,3-Trichloropropane	ND	5,000
Propylbenzene	ND	5,000
Bromobenzene	ND	5,000
1,3,5-Trimethylbenzene	ND	5,000
2-Chlorotoluene	ND	5,000
4-Chlorotoluene	ND	5,000
tert-Butylbenzene	ND	5,000
1,2,4-Trimethylbenzene	ND	5,000
sec-Butylbenzene	ND	5,000
para-Isopropyl Toluene	ND	5,000
1,3-Dichlorobenzene	ND	5,000
1,4-Dichlorobenzene	ND	5,000
n-Butylbenzene	ND	5,000
1,2-Dichlorobenzene	ND	5,000
1,2-Dibromo-3-Chloropropane	ND	5,000
1,2,4-Trichlorobenzene	ND	5,000
Hexachlorobutadiene	ND	5,000
Naphthalene	ND	5,000
1,2,3-Trichlorobenzene	ND	5,000

Surrogate	%REC	Limits
Dibromofluoromethane	85	78-122
1,2-Dichloroethane-d4	92	68-152
Toluene-d8	102	80-120
Bromofluorobenzene	137 *	76-132
Trifluorotoluene (MeOH)	DO	60-150

*= Value outside of QC limits; see narrative
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@15FT	Diln Fac:	200.0
Lab ID:	221838-013	Batch#:	166111
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Freon 12	ND	2,000
tert-Butyl Alcohol (TBA)	ND	20,000
Chloromethane	ND	2,000
Isopropyl Ether (DIPE)	ND	1,000
Vinyl Chloride	ND	2,000
Bromomethane	ND	2,000
Ethyl tert-Butyl Ether (ETBE)	ND	1,000
Chloroethane	ND	2,000
Methyl tert-Amyl Ether (TAME)	ND	1,000
Trichlorofluoromethane	ND	1,000
Ethanol	ND	200,000
Acetone	ND	4,000
Freon 113	ND	1,000
1,1-Dichloroethene	ND	1,000
Methylene Chloride	ND	4,000
Carbon Disulfide	ND	1,000
MTBE	ND	1,000
trans-1,2-Dichloroethene	ND	1,000
Vinyl Acetate	ND	10,000
1,1-Dichloroethane	ND	1,000
2-Butanone	ND	2,000
cis-1,2-Dichloroethene	ND	1,000
2,2-Dichloropropane	ND	1,000
Chloroform	ND	1,000
Bromochloromethane	ND	1,000
1,1,1-Trichloroethane	ND	1,000
1,1-Dichloropropene	ND	1,000
Carbon Tetrachloride	ND	1,000
1,2-Dichloroethane	ND	1,000
Benzene	ND	1,000
Trichloroethene	ND	1,000
1,2-Dichloropropane	ND	1,000
Bromodichloromethane	ND	1,000
Dibromomethane	ND	1,000
4-Methyl-2-Pentanone	ND	2,000
cis-1,3-Dichloropropene	ND	1,000
Toluene	ND	1,000
trans-1,3-Dichloropropene	ND	1,000
1,1,2-Trichloroethane	ND	1,000
2-Hexanone	ND	2,000
1,3-Dichloropropane	ND	1,000
Tetrachloroethene	ND	1,000
Dibromochloromethane	ND	1,000
1,2-Dibromoethane	ND	1,000
Chlorobenzene	ND	1,000
1,1,1,2-Tetrachloroethane	ND	1,000
Ethylbenzene	ND	1,000
m,p-Xylenes	ND	1,000
o-Xylene	ND	1,000
Styrene	ND	1,000
Bromoform	ND	1,000
Isopropylbenzene	ND	1,000
1,1,2,2-Tetrachloroethane	ND	1,000
1,2,3-Trichloropropane	ND	1,000

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@15FT	Diln Fac:	200.0
Lab ID:	221838-013	Batch#:	166111
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Propylbenzene	ND	1,000
Bromobenzene	ND	1,000
1,3,5-Trimethylbenzene	ND	1,000
2-Chlorotoluene	ND	1,000
4-Chlorotoluene	ND	1,000
tert-Butylbenzene	ND	1,000
1,2,4-Trimethylbenzene	ND	1,000
sec-Butylbenzene	ND	1,000
para-Isopropyl Toluene	ND	1,000
1,3-Dichlorobenzene	ND	1,000
1,4-Dichlorobenzene	ND	1,000
n-Butylbenzene	ND	1,000
1,2-Dichlorobenzene	ND	1,000
1,2-Dibromo-3-Chloropropane	ND	1,000
1,2,4-Trichlorobenzene	ND	1,000
Hexachlorobutadiene	ND	1,000
Naphthalene	ND	1,000
1,2,3-Trichlorobenzene	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	94	78-122
1,2-Dichloroethane-d4	132	68-152
Toluene-d8	99	80-120
Bromofluorobenzene	116	76-132
Trifluorotoluene (MeOH)	94	60-150

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@19FT	Diln Fac:	333.3
Lab ID:	221838-014	Batch#:	166111
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Freon 12	ND	3,300
tert-Butyl Alcohol (TBA)	ND	33,000
Chloromethane	ND	3,300
Isopropyl Ether (DIPE)	ND	1,700
Vinyl Chloride	ND	3,300
Bromomethane	ND	3,300
Ethyl tert-Butyl Ether (ETBE)	ND	1,700
Chloroethane	ND	3,300
Methyl tert-Amyl Ether (TAME)	ND	1,700
Trichlorofluoromethane	ND	1,700
Ethanol	ND	330,000
Acetone	ND	6,700
Freon 113	ND	1,700
1,1-Dichloroethene	ND	1,700
Methylene Chloride	ND	6,700
Carbon Disulfide	ND	1,700
MTBE	ND	1,700
trans-1,2-Dichloroethene	ND	1,700
Vinyl Acetate	ND	17,000
1,1-Dichloroethane	ND	1,700
2-Butanone	ND	3,300
cis-1,2-Dichloroethene	ND	1,700
2,2-Dichloropropane	ND	1,700
Chloroform	ND	1,700
Bromochloromethane	ND	1,700
1,1,1-Trichloroethane	ND	1,700
1,1-Dichloropropene	ND	1,700
Carbon Tetrachloride	ND	1,700
1,2-Dichloroethane	ND	1,700
Benzene	ND	1,700
Trichloroethene	ND	1,700
1,2-Dichloropropane	ND	1,700
Bromodichloromethane	ND	1,700
Dibromomethane	ND	1,700
4-Methyl-2-Pentanone	ND	3,300
cis-1,3-Dichloropropene	ND	1,700
Toluene	ND	1,700
trans-1,3-Dichloropropene	ND	1,700
1,1,2-Trichloroethane	ND	1,700
2-Hexanone	ND	3,300
1,3-Dichloropropane	ND	1,700
Tetrachloroethene	ND	1,700
Dibromochloromethane	ND	1,700
1,2-Dibromoethane	ND	1,700
Chlorobenzene	ND	1,700
1,1,1,2-Tetrachloroethane	ND	1,700
Ethylbenzene	ND	1,700
m,p-Xylenes	ND	1,700
o-Xylene	ND	1,700
Styrene	ND	1,700
Bromoform	ND	1,700
Isopropylbenzene	4,100	1,700
1,1,2,2-Tetrachloroethane	ND	1,700
1,2,3-Trichloropropane	ND	1,700

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-1@19FT	Diln Fac:	333.3
Lab ID:	221838-014	Batch#:	166111
Matrix:	Soil	Sampled:	08/12/10
Units:	ug/Kg	Received:	08/12/10
Basis:	as received	Analyzed:	08/19/10

Analyte	Result	RL
Propylbenzene	6,200	1,700
Bromobenzene	ND	1,700
1,3,5-Trimethylbenzene	7,500	1,700
2-Chlorotoluene	ND	1,700
4-Chlorotoluene	ND	1,700
tert-Butylbenzene	ND	1,700
1,2,4-Trimethylbenzene	21,000	1,700
sec-Butylbenzene	2,900	1,700
para-Isopropyl Toluene	3,400	1,700
1,3-Dichlorobenzene	ND	1,700
1,4-Dichlorobenzene	ND	1,700
n-Butylbenzene	2,800	1,700
1,2-Dichlorobenzene	ND	1,700
1,2-Dibromo-3-Chloropropane	ND	1,700
1,2,4-Trichlorobenzene	ND	1,700
Hexachlorobutadiene	ND	1,700
Naphthalene	2,200	1,700
1,2,3-Trichlorobenzene	ND	1,700

Surrogate	%REC	Limits
Dibromofluoromethane	88	78-122
1,2-Dichloroethane-d4	130	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	127	76-132
Trifluorotoluene (MeOH)	100	60-150

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556696	Batch#:	166062
Matrix:	Soil	Analyzed:	08/18/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556696	Batch#:	166062
Matrix:	Soil	Analyzed:	08/18/10
Units:	ug/Kg		

Analyte	Result	RL
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	84	78-122
1,2-Dichloroethane-d4	92	68-152
Toluene-d8	109	80-120
Bromofluorobenzene	125	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556697	Batch#:	166062
Matrix:	Soil	Analyzed:	08/18/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	120.5	96	55-139
Isopropyl Ether (DIPE)	25.00	25.78	103	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.86	95	66-126
Methyl tert-Amyl Ether (TAME)	25.00	20.89	84	74-120
1,1-Dichloroethene	25.00	20.86	83	72-134
Benzene	25.00	22.68	91	80-125
Trichloroethene	25.00	21.31	85	79-128
Toluene	25.00	26.12	104	80-128
Chlorobenzene	25.00	24.49	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	78-122
1,2-Dichloroethane-d4	93	68-152
Toluene-d8	112	80-120
Bromofluorobenzene	115	76-132

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@16FT	Batch#:	166062
MSS Lab ID:	221838-010	Sampled:	08/12/10
Matrix:	Soil	Received:	08/12/10
Units:	ug/Kg	Analyzed:	08/18/10
Basis:	as received		

Type: MS Diln Fac: 0.9671
 Lab ID: QC556751

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.02	241.8	217.7	90	44-140
Isopropyl Ether (DIPE)	<1.239	48.36	41.63	86	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.9337	48.36	42.65	88	60-123
Methyl tert-Amyl Ether (TAME)	<0.6082	48.36	39.89	82	65-120
1,1-Dichloroethene	<0.5717	48.36	37.00	77	69-141
Benzene	<0.9314	48.36	39.43	82	71-125
Trichloroethene	<1.087	48.36	36.00	74	65-144
Toluene	<1.257	48.36	41.96	87	64-128
Chlorobenzene	<0.2807	48.36	45.91	95	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-122
1,2-Dichloroethane-d4	94	68-152
Toluene-d8	106	80-120
Bromofluorobenzene	105	76-132

Type: MSD Diln Fac: 0.9615
 Lab ID: QC556752

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	240.4	197.1	82	44-140	9	47
Isopropyl Ether (DIPE)	48.08	41.38	86	56-125	0	24
Ethyl tert-Butyl Ether (ETBE)	48.08	40.45	84	60-123	5	25
Methyl tert-Amyl Ether (TAME)	48.08	38.56	80	65-120	3	24
1,1-Dichloroethene	48.08	36.25	75	69-141	1	35
Benzene	48.08	37.83	79	71-125	4	33
Trichloroethene	48.08	34.44	72	65-144	4	31
Toluene	48.08	40.05	83	64-128	4	34
Chlorobenzene	48.08	44.44	92	57-126	3	36

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-122
1,2-Dichloroethane-d4	91	68-152
Toluene-d8	103	80-120
Bromofluorobenzene	110	76-132

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556888	Batch#:	166110
Matrix:	Soil	Analyzed:	08/19/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556888	Batch#:	166110
Matrix:	Soil	Analyzed:	08/19/10
Units:	ug/Kg		

Analyte	Result	RL
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	92	78-122
1,2-Dichloroethane-d4	94	68-152
Toluene-d8	109	80-120
Bromofluorobenzene	127	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	166110
Units:	ug/Kg	Analyzed:	08/19/10
Diln Fac:	1.000		

Type: BS Lab ID: QC556889

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	129.8	104	55-139
Isopropyl Ether (DIPE)	25.00	27.33	109	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	25.08	100	66-126
Methyl tert-Amyl Ether (TAME)	25.00	22.76	91	74-120
1,1-Dichloroethene	25.00	22.71	91	72-134
Benzene	25.00	23.97	96	80-125
Trichloroethene	25.00	20.72	83	79-128
Toluene	25.00	25.03	100	80-128
Chlorobenzene	25.00	24.58	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	78-122
1,2-Dichloroethane-d4	103	68-152
Toluene-d8	108	80-120
Bromofluorobenzene	115	76-132

Type: BSD Lab ID: QC556890

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	122.0	98	55-139	6	32
Isopropyl Ether (DIPE)	25.00	28.30	113	60-131	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.79	99	66-126	1	20
Methyl tert-Amyl Ether (TAME)	25.00	21.86	87	74-120	4	20
1,1-Dichloroethene	25.00	23.32	93	72-134	3	20
Benzene	25.00	23.72	95	80-125	1	20
Trichloroethene	25.00	19.96	80	79-128	4	20
Toluene	25.00	24.02	96	80-128	4	20
Chlorobenzene	25.00	23.85	95	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-122
1,2-Dichloroethane-d4	101	68-152
Toluene-d8	103	80-120
Bromofluorobenzene	112	76-132

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556891	Batch#:	166111
Matrix:	Soil	Analyzed:	08/19/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556891	Batch#:	166111
Matrix:	Soil	Analyzed:	08/19/10
Units:	ug/Kg		

Analyte	Result	RL
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	92	78-122
1,2-Dichloroethane-d4	135	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	123	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556892	Batch#:	166111
Matrix:	Soil	Analyzed:	08/19/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	117.7	94	55-139
Isopropyl Ether (DIPE)	25.00	19.42	78	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	18.99	76	66-126
Methyl tert-Amyl Ether (TAME)	25.00	21.18	85	74-120
1,1-Dichloroethene	25.00	20.71	83	72-134
Benzene	25.00	23.33	93	80-125
Trichloroethene	25.00	24.60	98	79-128
Toluene	25.00	24.87	99	80-128
Chlorobenzene	25.00	23.84	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	130	68-152
Toluene-d8	99	80-120
Bromofluorobenzene	107	76-132

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	166111
MSS Lab ID:	221856-006	Sampled:	08/09/10
Matrix:	Soil	Received:	08/13/10
Units:	ug/Kg	Analyzed:	08/20/10
Basis:	as received		

Type: MS
Lab ID: QC556893

Diln Fac: 0.9862

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<6.914	246.5	257.5	104	44-140
Isopropyl Ether (DIPE)	<0.7307	49.31	38.57	78	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.6137	49.31	38.02	77	60-123
Methyl tert-Amyl Ether (TAME)	<0.6382	49.31	42.95	87	65-120
1,1-Dichloroethene	<0.7530	49.31	44.37	90	69-141
Benzene	<0.5661	49.31	43.12	87	71-125
Trichloroethene	<0.6858	49.31	48.79	99	65-144
Toluene	0.6845	49.31	44.04	88	64-128
Chlorobenzene	<0.5812	49.31	44.23	90	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-122
1,2-Dichloroethane-d4	132	68-152
Toluene-d8	98	80-120
Bromofluorobenzene	104	76-132

Type: MSD
Lab ID: QC556921

Diln Fac: 0.9615

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	240.4	226.8	94	44-140	10	47
Isopropyl Ether (DIPE)	48.08	35.91	75	56-125	5	24
Ethyl tert-Butyl Ether (ETBE)	48.08	35.24	73	60-123	5	25
Methyl tert-Amyl Ether (TAME)	48.08	39.15	81	65-120	7	24
1,1-Dichloroethene	40.06	42.48	106	69-141	16	35
Benzene	40.06	40.43	101	71-125	14	33
Trichloroethene	40.06	44.65	111	65-144	12	31
Toluene	40.06	41.55	102	64-128	15	34
Chlorobenzene	40.06	41.20	103	57-126	14	36

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-122
1,2-Dichloroethane-d4	131	68-152
Toluene-d8	96	80-120
Bromofluorobenzene	105	76-132

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC557086	Batch#:	166160
Matrix:	Soil	Analyzed:	08/20/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC557086	Batch#:	166160
Matrix:	Soil	Analyzed:	08/20/10
Units:	ug/Kg		

Analyte	Result	RL
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	89	78-122
1,2-Dichloroethane-d4	135	68-152
Toluene-d8	96	80-120
Bromofluorobenzene	111	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	166160
Units:	ug/Kg	Analyzed:	08/20/10
Diln Fac:	1.000		

Type: BS Lab ID: QC557087

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.1	88	55-139
Isopropyl Ether (DIPE)	25.00	17.35	69	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	17.91	72	66-126
Methyl tert-Amyl Ether (TAME)	25.00	19.93	80	74-120
1,1-Dichloroethene	25.00	21.81	87	72-134
Benzene	25.00	22.63	91	80-125
Trichloroethene	25.00	25.02	100	79-128
Toluene	25.00	23.92	96	80-128
Chlorobenzene	25.00	23.91	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	126	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	102	76-132

Type: BSD Lab ID: QC557088

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	121.9	98	55-139	10	32
Isopropyl Ether (DIPE)	25.00	18.45	74	60-131	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.13	77	66-126	7	20
Methyl tert-Amyl Ether (TAME)	25.00	22.35	89	74-120	11	20
1,1-Dichloroethene	25.00	22.19	89	72-134	2	20
Benzene	25.00	23.97	96	80-125	6	20
Trichloroethene	25.00	25.47	102	79-128	2	20
Toluene	25.00	24.81	99	80-128	4	20
Chlorobenzene	25.00	25.49	102	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	87	78-122
1,2-Dichloroethane-d4	133	68-152
Toluene-d8	96	80-120
Bromofluorobenzene	104	76-132

RPD= Relative Percent Difference

Lead			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	08/12/10
Matrix:	Water	Received:	08/12/10
Units:	ug/L	Prepared:	08/13/10
Diln Fac:	1.000	Analyzed:	08/16/10
Batch#:	165928		

Field ID	Type	Lab ID	Result	RL
LDP-1	SAMPLE	221838-001	11	5.0
LDP-2	SAMPLE	221838-002	ND	5.0
LDP-3	SAMPLE	221838-003	10	5.0
	BLANK	QC556143	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Lead			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	165928
Field ID:	ZZZZZZZZZZ	Sampled:	08/11/10
MSS Lab ID:	221797-001	Received:	08/11/10
Matrix:	Water	Prepared:	08/13/10
Units:	ug/L	Analyzed:	08/16/10
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC556144		100.0	96.76	97	79-120		
BSD	QC556145		100.0	88.89	89	79-120	8	20
MS	QC556146	402.1	100.0	460.4	58 NM	66-120		
MSD	QC556147		100.0	481.8	80 NM	66-120	5	25

NM= Not Meaningful: Sample concentration > 4X spike concentration
 RPD= Relative Percent Difference

Lead			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	165931
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/12/10
Basis:	as received	Prepared:	08/13/10
Diln Fac:	1.000	Analyzed:	08/19/10

Field ID	Type	Lab ID	Result	RL
LDP-2@5FT	SAMPLE	221838-004	6.8	0.25
LDP-2@13FT	SAMPLE	221838-005	6.6	0.25
LDP-2@18FT	SAMPLE	221838-006	4.3	0.25
LDP-2@21FT	SAMPLE	221838-007	4.7	0.25
LDP-3@8FT	SAMPLE	221838-008	4.7	0.25
LDP-3@12FT	SAMPLE	221838-009	5.4	0.25
LDP-3@16FT	SAMPLE	221838-010	3.4	0.25
LDP-1@6FT	SAMPLE	221838-011	7.3	0.25
LDP-1@12FT	SAMPLE	221838-012	360	0.25
LDP-1@15FT	SAMPLE	221838-013	6.8	0.25
LDP-1@19FT	SAMPLE	221838-014	7.1	0.25
	BLANK	QC556158	ND	0.25

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Lead			
Lab #:	221838	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	165931
Field ID:	ZZZZZZZZZZ	Sampled:	08/12/10
MSS Lab ID:	221830-001	Received:	08/12/10
Matrix:	Soil	Prepared:	08/13/10
Units:	mg/Kg	Analyzed:	08/19/10
Basis:	as received		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac
BS	QC556159		100.0	95.15	95	80-120				1.000
BSD	QC556160		100.0	94.21	94	80-120	1	25		1.000
MS	QC556161	300.4	90.91	549.2	274 *	51-125				10.00
MSD	QC556162		94.34	1,663	1444 *	51-125	100 *	52		10.00

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference



Laboratory Job Number 221789
ANALYTICAL REPORT

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2722
Location : 316 38th St., Oakland
Level : II

Table with 4 columns: Sample ID, Lab ID, Sample ID, Lab ID. Lists various sample and lab identifiers such as DP-1, DP-3, DP-4, DP-5, DP-6, DP-7, DP-8, DP-1@10FT, DP-1@12FT, DP-1@20FT, DP-1@16FT, DP-6@16FT, DP-6@13FT, DP-5@11.5FT, DP-5@8FT, DP-5@19.5FT, DP-3@26FT, DP-5@13.5FT, DP-3@13FT, DP-3@21FT, DP-3@16FT, DP-7@13FT, DP-8@13FT, DP-7@16FT, DP-8@16FT, DP-4@14FT, DP-4@12FT, DP-4@16FT, DP-6@19FT.

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: [Handwritten Signature]
Project Manager

Date: 08/19/2010

CASE NARRATIVE

Laboratory number: 221789
Client: SOMA Environmental Engineering Inc.
Project: 2722
Location: 316 38th St., Oakland
Request Date: 08/11/10
Samples Received: 08/11/10

This data package contains sample and QC results for twenty two soil samples and seven water samples, requested for the above referenced project on 08/11/10. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:

High surrogate recoveries were observed for bromofluorobenzene (FID) in DP-1 (lab # 221789-001), DP-4 (lab # 221789-003), and DP-5 (lab # 221789-004). No other analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:

High surrogate recovery was observed for bromofluorobenzene (FID) in DP-5@11.5FT (lab # 221789-014). No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:

DP-1@16FT (lab # 221789-011) was diluted due to the dark and viscous nature of the sample extract. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:

Low recovery was observed for trichloroethene in the MSD for batch 165889; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High RPD was observed for tert-butyl alcohol (TBA) in the BS/BSD for batch 165833; this analyte was not detected at or above the RL in the associated samples. High surrogate recovery was observed for bromofluorobenzene in DP-5 (lab # 221789-004). No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:

High surrogate recoveries were observed for bromofluorobenzene in a number of samples. DP-5@11.5FT (lab # 221789-014), DP-5@8FT (lab # 221789-015), and DP-5@13.5FT (lab # 221789-018) were diluted due to high hydrocarbons. No other analytical problems were encountered.

Metals (EPA 6010B) Soil:

No analytical problems were encountered.

Metals (EPA 6010B) Filtrate:

No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.

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

Analyses

C&T LOGIN # 221784

Sampler: Lizzie Hightower

Project No: 2722

Report To: Joyce Bobek

Project Name: 316 38th Street, Oakland, CA

Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative													
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE										
	DP-1	8/10/2010 10:31	X			3-40 ml VOAs	X			X										
			X			3-40 ml VOAs	X			X										
			X			2-500ml Am				X										
			X			1-250ml poly				X	X									
2	DP-3	8/9/10 13.29	X			3-40 ml VOAs	X			X										
			X			3-40 ml VOAs	X			X										
			X			2-500ml Am				X										
			X			1-250ml poly				X	X									
3	DP-4	8/10/2010 12:56	X			3-40 ml VOAs	X			X										
			X			3-40 ml VOAs	X			X										
			X			2-500ml Am				X										
			X			1-250ml poly				X	X									

TPH-g 8015	Stoddard																			
82606X (TPH-g and oxy)	82606X																			
TPH-d, Kerosene, Stoddard, 8015 with silica gel		X																		
Stoddard, 8015 with silica gel			X																	
Lead* 6010										X										

Notes: EDF OUTPUT REQUIRED

* Lead field filtered samples
 PCE, TCE, VC, naphthalene etc, and gasoline oxygenates

RELINQUISHED BY:

Lizzie Hightower 8/10/10 5pm
 DATE/TIME

Elena Manzo 8/10/10 11:02am
 DATE/TIME

DATE/TIME

RECEIVED BY:

Elena Manzo 8/10/10 5pm
 DATE/TIME

[Signature] 8/10/10 11:02
 DATE/TIME

DATE/TIME

CHAIN OF CUSTODY

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 (510)486-0900 Phone
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Analyses

C&T LOGIN # 221784

Sampler: Lizzie Hightower

Project No: 2722

Report To: Joyce Bobek

Project Name: 316 38th Street, Oakland, CA

Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative			
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE
4	DP-5	8/9/2010 16:03	X			3-40 ml VOAs	X			X
			X			3-40 ml VOAs	X			X
			X			2-500ml Am				X
5	DP-6	8/10/2010 12:06	X			1-250ml poly			X	X
			X			3-40 ml VOAs	X			X
			X			2-500ml Am				X
6	DP-7	8/10/2010 16:00	X			1-250ml poly			X	X
			X			3-40 ml VOAs	X			X
			X			2-500ml Am				X
			X			3-40 ml VOAs	X			X
			X			3-40 ml VOAs	X			X
			X			2-500ml Am				X
			X			1-250ml poly			X	X

TPH-g 8015 d Stoddard	8260GX (TPH-g and oxy)+List 8015	TPH-d, Kerosene, Stoddard, 8015-with silica gel	Lead* 6010	Stoddard 8015						
X	X									
X				X						
		X								
			X							
X				X						
		X								
X				X						
		X								
			X							
				X						

Notes: EDF OUTPUT REQUIRED
 * Lead field filtered samples
 PCE, TCE, VC, naphthalene etc, and gasoline oxygenates

RELINQUISHED BY:
 Lizzie Hightower 8/10/10 5pm
 DATE/TIME
 Elena Manzo 8/11/10 11:02am
 DATE/TIME
 DATE/TIME

RECEIVED BY:
 Elena Manzo 8/10/10 5pm
 DATE/TIME
 Ms 8/11/10 1102
 DATE/TIME
 DATE/TIME

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.

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

C&T LOGIN # 221789

Sampler: Lizzie Hightower

Project No: 2722

Report To: Joyce Bobek

Project Name: 316 38th Street, Oakland, CA

Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Analyses

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative			
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE
7	DP-8	8/10/2010 14:28		X		3-40 ml VOAs	X			X
				X		3-40 ml VOAs	X			X
				X		2-500ml Am				X
				X		1-250ml poly			X	X
8	DP-1@ 10ft	8/10/10 9:21	X			1 tube				X
9	DP-1@ 12ft	8/10/10 9:25	X			1				X
10	DP-1@ 20ft	8/10/10 9:53	X			1				
11	DP-1@ 16ft	8/10/10 9:42	X			1				
12	DP-6@ 16ft	8/10/10 11:17	X			1				X
13	DP-6@ 13ft	8/10/10 11:10	X			1				X
14	DP-5@ 11.5ft	8/9/10 15:14				↓				↓
15	DP-5@ 8ft	8/9/10 15:02				↓				↓
16	DP-5@ 19.5ft	8/9/10 15:38				↓				↓

TPH-g 8015																			
8260GX (TPH-g and oxy) + Ust	8260GX																		
TPH-d, Kerosene, Stoddard, 8015 with silica gel																			
Lead* 6010																			
Stoddard 8015																			

Notes: EDF OUTPUT REQUIRED

* Lead field filtered samples
 PCE, TCE, VC, naphthalene etc, and gasoline oxygenates

RELINQUISHED BY:

Lizzie Hightower 8/10/10 5pm
 DATE/TIME

Elena Manzo 8/11/10 11:02am
 DATE/TIME

RECEIVED BY:

Elena Manzo 8/10/10 5pm
 DATE/TIME

8/10/10 11:02
 DATE/TIME

DATE/TIME

DATE/TIME

CHAIN OF CUSTODY

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

Analyses

C&T LOGIN # 721739

Project No: 2722

Sampler: Lizzie Hightower

Project Name: 316 38th Street, Oakland, CA

Report To: Joyce Bobek

Turnaround Time: Standard

Company: SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				TPH-g 8015	8260GX	TPH-d, Kerosene with silica gel	Stoddard, 8015 with silica gel	Lead* 6010
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE					
17	DP-3@26ft	8/9/10 12:45	X			1 tube					X	X	X	X	X
18	DP-5@13.5ft	8/9/10 15:28													
19	DP-3@13ft	8/9/10 12:02													
20	DP-3@21ft	8/9/10 12:30													
21	DP-3@16ft	8/9/10 12:06													
22	DP-7@13ft	8/10/10 15:35													
23	DP-8@13ft	8/10/10 13:50													
24	DP-7@16ft	8/10/10 15:41													
25	DP-8@16ft	8/10/10 13:54													
26	DP-4@14ft	8/10/10 12:30													
27	DP-4@12ft	8/10/10 12:15													
28	DP-4@16ft	8/10/10 12:38													
29	DP-6@19ft	8/10/10 11:41													

Notes: EDF OUTPUT REQUIRED
 * Lead field filtered samples
 PCE, TCE, VC, naphthalene etc, and gasoline oxygenates

RELINQUISHED BY:		RECEIVED BY:	
Lizzie Hightower	8/10/10 5pm	Elena Manzo	8/10/10 5pm
	DATE/TIME		DATE/TIME
Elena Manzo	8/11/10 11:02am		8/11/10 11:02
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 221789 Date Received 4/11/10 Number of coolers 2
Client SOMA Project 316 38TH ST OAKLAND CA

Date Opened 4/11/10 By (print) S EVANS (sign) [Signature]
Date Logged in [Signature] By (print) [Signature] (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc) YES NO
Shipping info

2A. Were custody seals present? ... YES (circle) on cooler on samples NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)

- Bubble Wrap, Foam blocks, Bags, None, Cloth material, Cardboard, Styrofoam, Paper towels

7. Temperature documentation:

Type of ice used: Wet Blue/Gel None Temp(C)

- Samples Received on ice & cold without a temperature blank
Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are samples in the appropriate containers for indicated tests? YES NO

11. Are sample labels present, in good condition and complete? YES NO

12. Do the sample labels agree with custody papers? YES NO

13. Was sufficient amount of sample sent for tests requested? YES NO

14. Are the samples appropriately preserved? YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? YES NO N/A

16. Was the client contacted concerning this sample delivery? YES NO

If YES, Who was called? By Date:

COMMENTS

SAMPLE # 029 NOT ON COC, ADDED TO COC + LOGGED IN FOR ANALYSIS

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	165993
Units:	ug/L	Received:	08/11/10
Diln Fac:	1.000		

Field ID:	DP-1	Sampled:	08/10/10
Type:	SAMPLE	Analyzed:	08/17/10
Lab ID:	221789-001		

Analyte	Result	RL
Gasoline C7-C12	2,400 Y	50
Stoddard Solvent C7-C12	1,500	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	142 *	70-140

Field ID:	DP-3	Sampled:	08/09/10
Type:	SAMPLE	Analyzed:	08/17/10
Lab ID:	221789-002		

Analyte	Result	RL
Gasoline C7-C12	52 Y	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	70-140

Field ID:	DP-4	Sampled:	08/10/10
Type:	SAMPLE	Analyzed:	08/17/10
Lab ID:	221789-003		

Analyte	Result	RL
Gasoline C7-C12	2,100 Y	50
Stoddard Solvent C7-C12	1,300	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	146 *	70-140

Field ID:	DP-5	Sampled:	08/09/10
Type:	SAMPLE	Analyzed:	08/17/10
Lab ID:	221789-004		

Analyte	Result	RL
Gasoline C7-C12	1,400 Y	50
Stoddard Solvent C7-C12	870	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	167 *	70-140

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons

Lab #: 221789	Location: 316 38th St., Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2722	Analysis: EPA 8015B
Matrix: Water	Batch#: 165993
Units: ug/L	Received: 08/11/10
Diln Fac: 1.000	

Field ID: DP-6	Sampled: 08/10/10
Type: SAMPLE	Analyzed: 08/17/10
Lab ID: 221789-005	

Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	70-140

Field ID: DP-7	Sampled: 08/10/10
Type: SAMPLE	Analyzed: 08/17/10
Lab ID: 221789-006	

Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	70-140

Field ID: DP-8	Sampled: 08/10/10
Type: SAMPLE	Analyzed: 08/17/10
Lab ID: 221789-007	

Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	70-140

Type: BLANK	Lab ID: QC556387
-------------	------------------

Analyte	Result	RL	Analyzed
Gasoline C7-C12	ND	50	08/16/10
Stoddard Solvent C7-C12	ND	50	08/17/10

Surrogate	%REC	Limits	Analyzed
Bromofluorobenzene (FID)	106	70-140	08/16/10

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556386	Batch#:	165993
Matrix:	Water	Analyzed:	08/16/10
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,022	102	73-127

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	70-140

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	165993
MSS Lab ID:	221847-002	Sampled:	08/12/10
Matrix:	Water	Received:	08/13/10
Units:	ug/L	Analyzed:	08/16/10
Diln Fac:	1.000		

Type: MS Lab ID: QC556388

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	23.55	2,000	2,139	106	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	70-140

Type: MSD Lab ID: QC556389

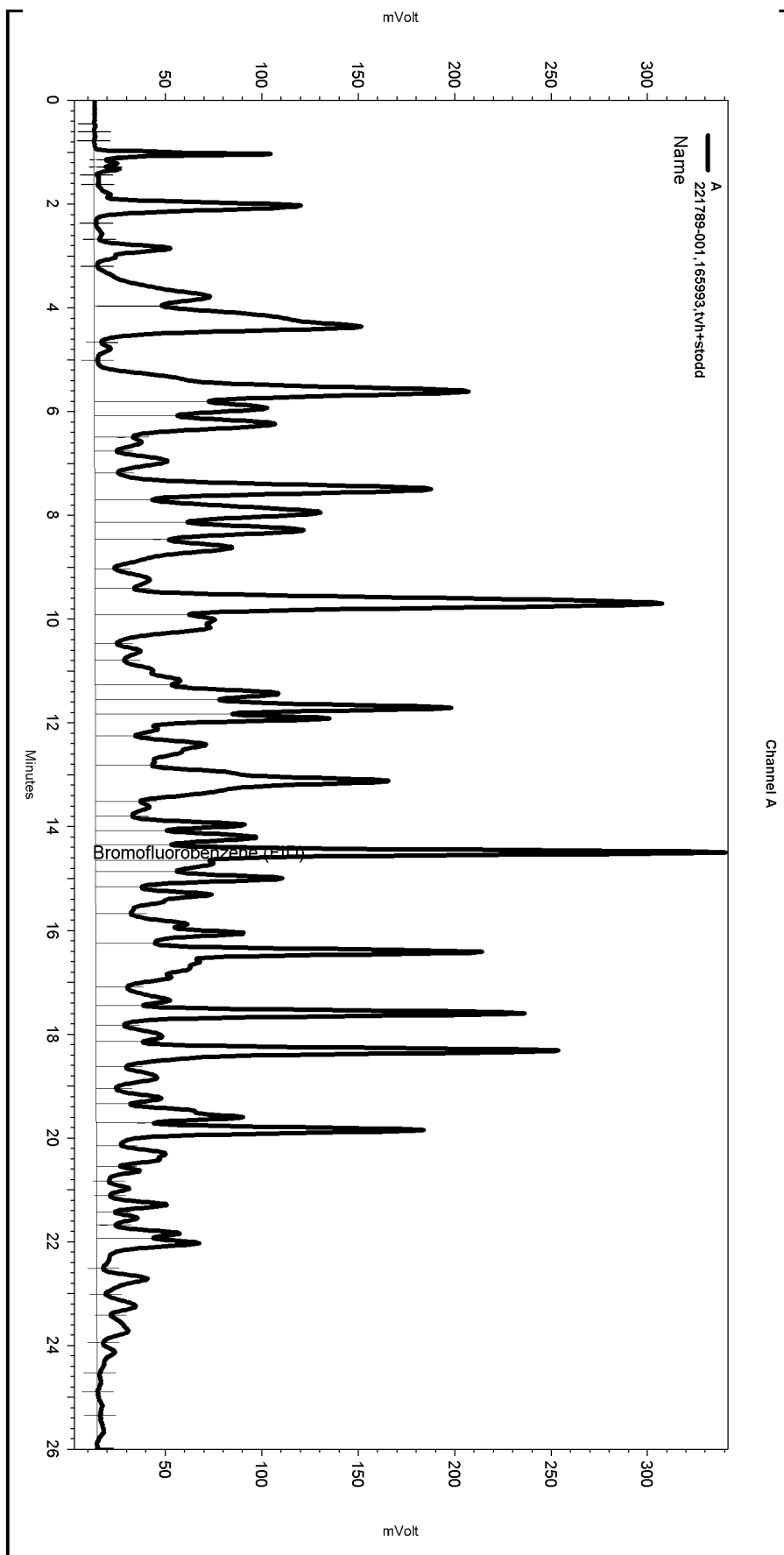
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,128	105	68-120	0	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	70-140

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\228.seq
 Sample Name: 221789-001,165993,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-015
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 1:51:17 AM
 Analysis Date: 8/17/2010 1:37:23 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: e3.0



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

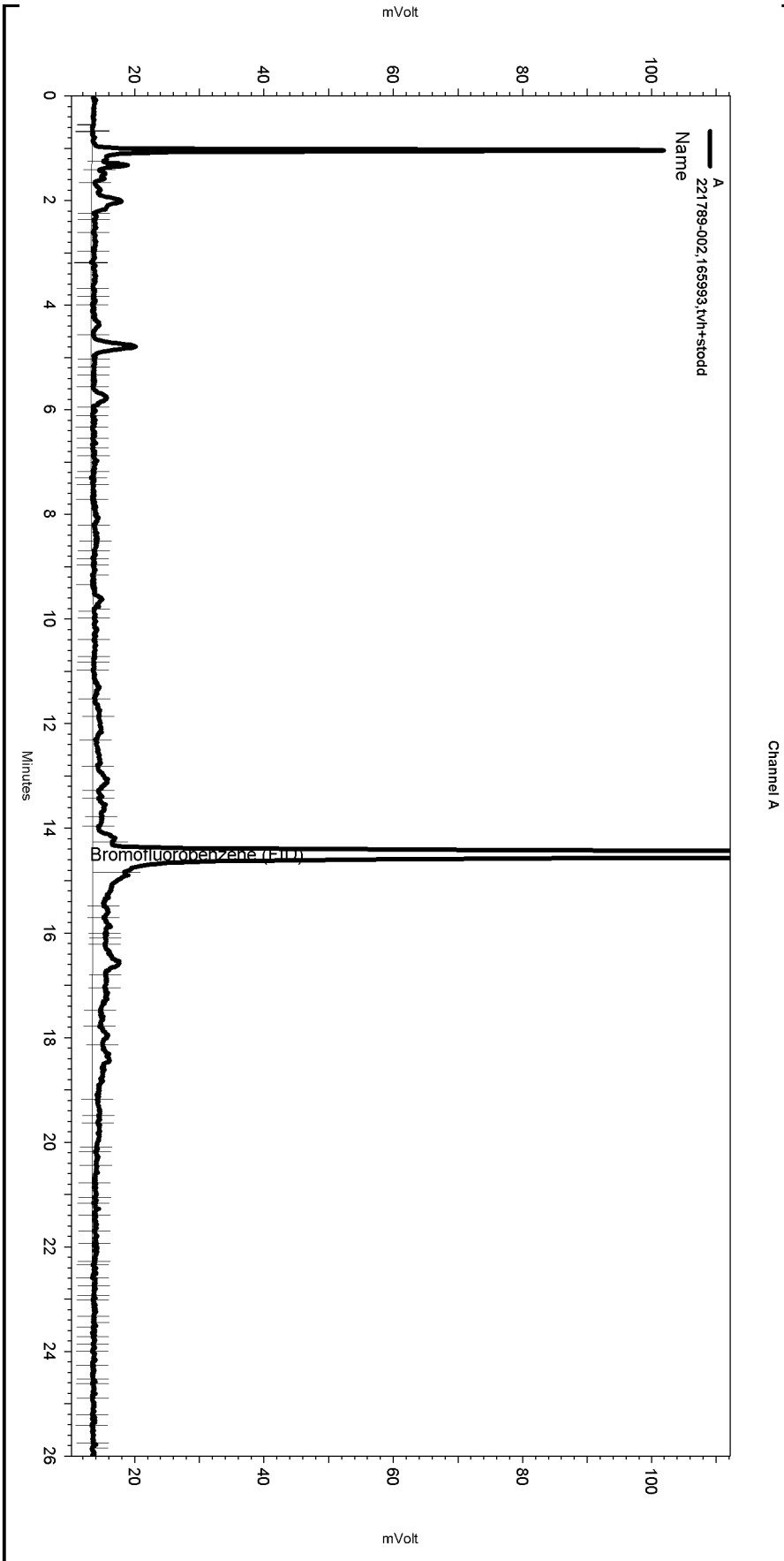
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-015

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	14.65	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\228.seq
 Sample Name: 221789-002,165993,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-016
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 2:29:17 AM
 Analysis Date: 8/17/2010 1:38:38 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: e2.0



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

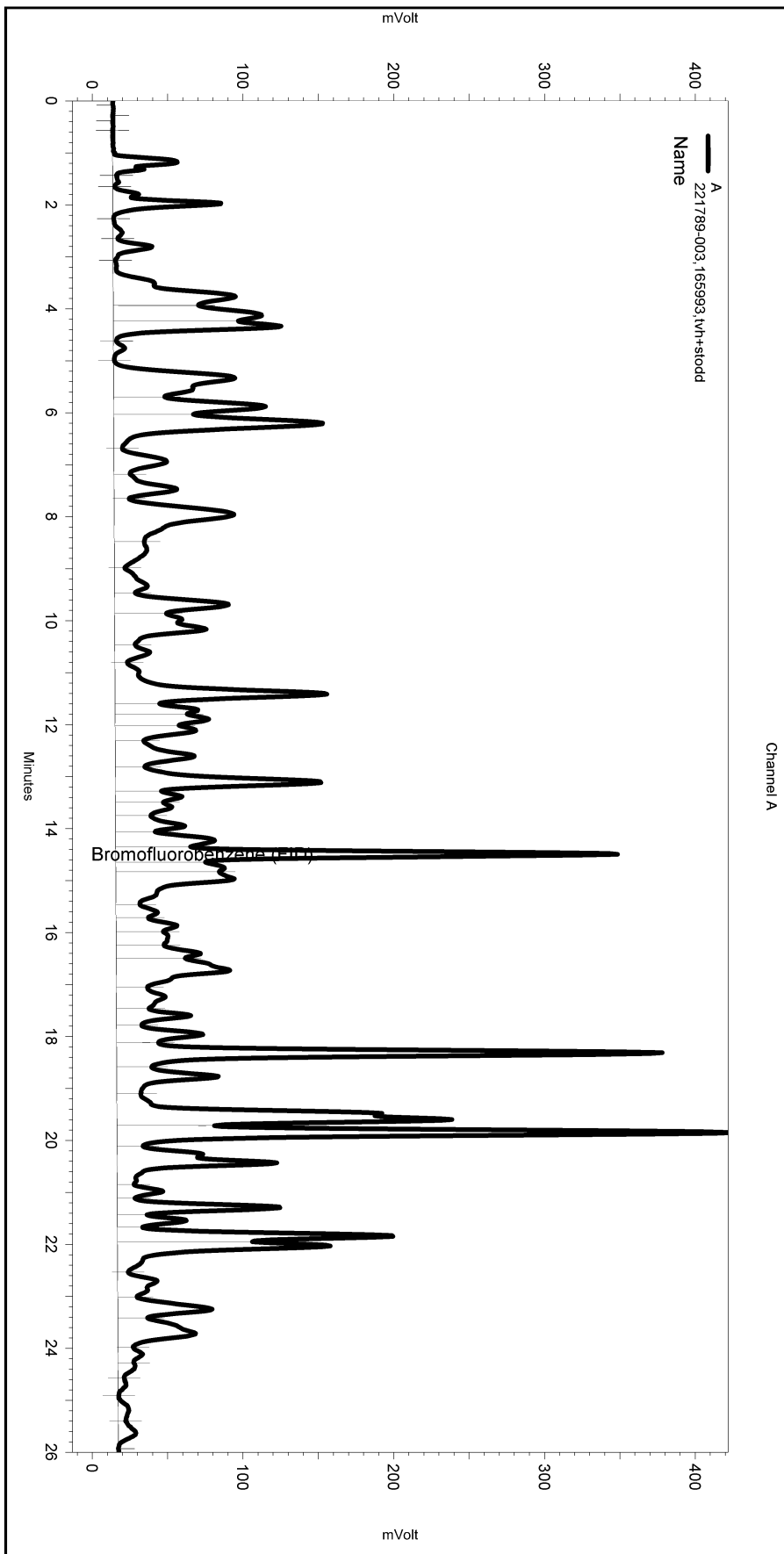
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-016

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Reset Baseline at Valley	9.282	0	0
Yes	Split Peak	14.856	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\228.seq
 Sample Name: 221789-003,165993,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-017
 Instrument: GC04 Vial: N/A Operator: lims2k3\tvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 3:07:00 AM
 Analysis Date: 8/17/2010 3:36:29 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: e1.9



 ---< General Method Parameters >-----

No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

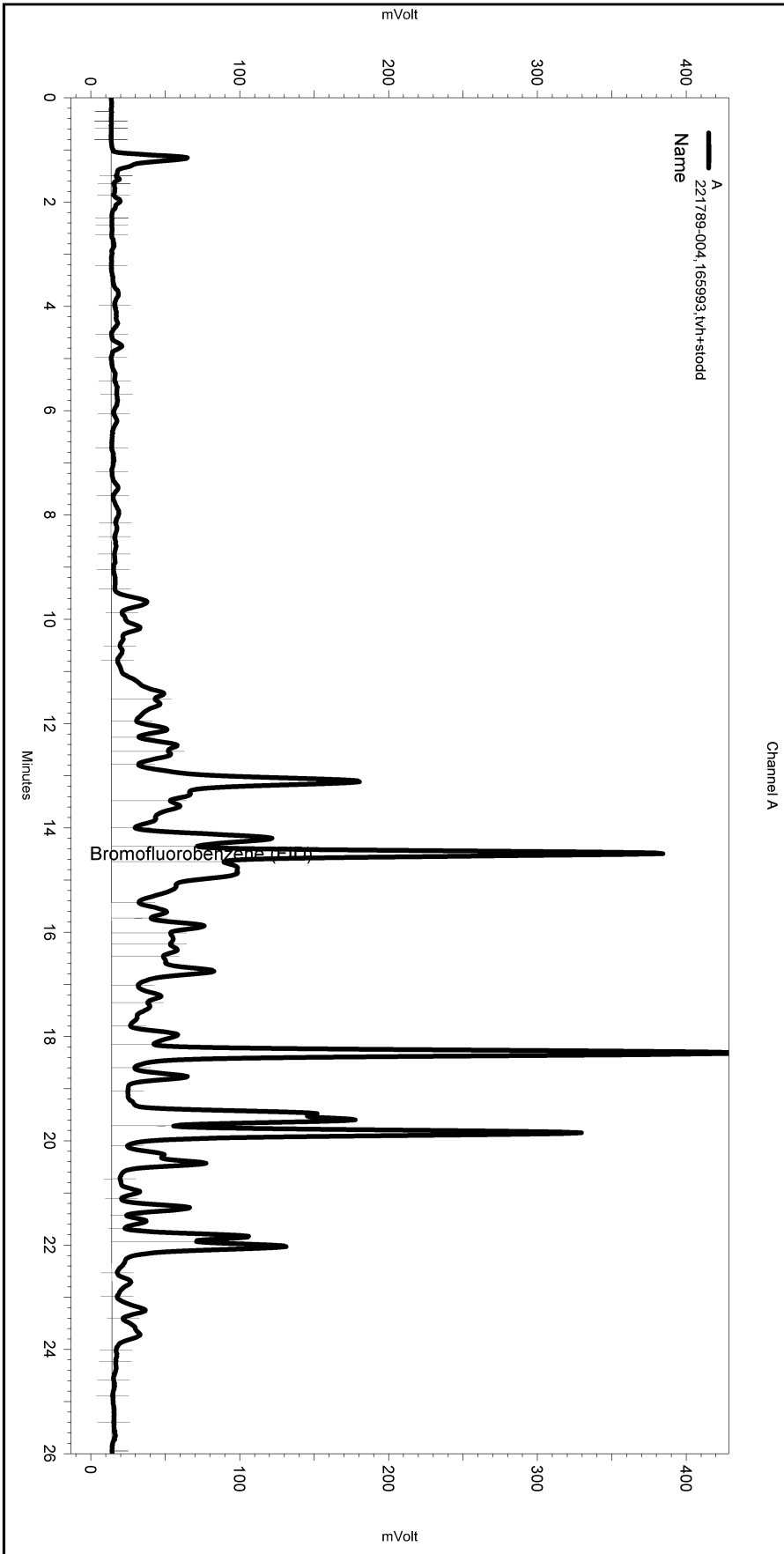
Manual Integration Fixes

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 Data\Instrument.10047\228-017_B67B.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\228.seq
 Sample Name: 221789-004,165993,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-018
 Instrument: GC04 Vial: N/A Operator: lims2k3\tvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 3:45:44 AM
 Analysis Date: 8/17/2010 4:15:12 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: e1.6



 ---< General Method Parameters >-----

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

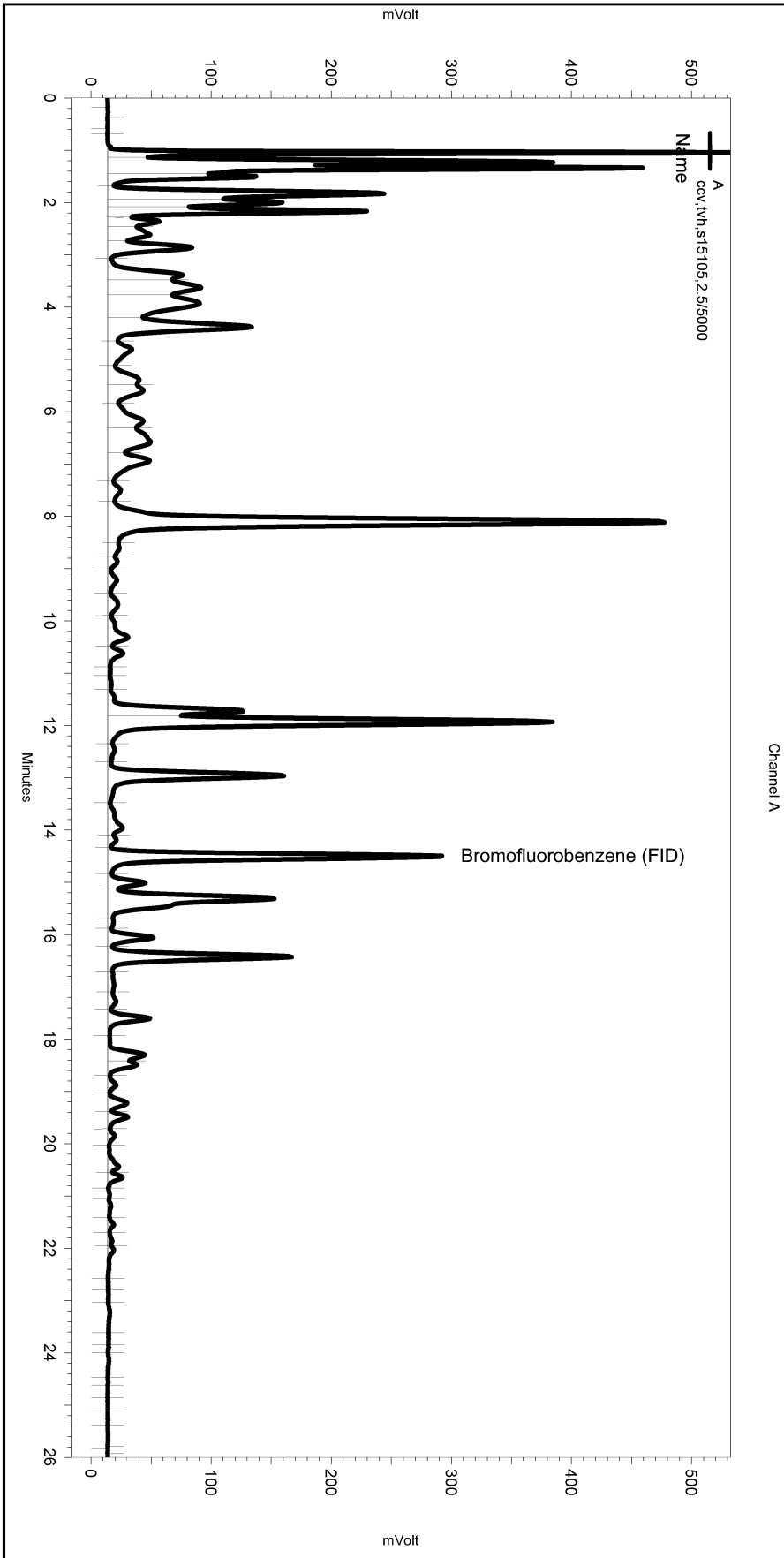
Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application
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 Data\Instrument.10047\228-018_B67C.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\228.seq
 Sample Name: ccv,tvh,s15105,2.5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-003
 Instrument: GC04 Vial: N/A Operator: lims2k3\tvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/16/2010 9:18:29 AM
 Analysis Date: 8/16/2010 9:47:59 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



 ---< General Method Parameters >-----

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

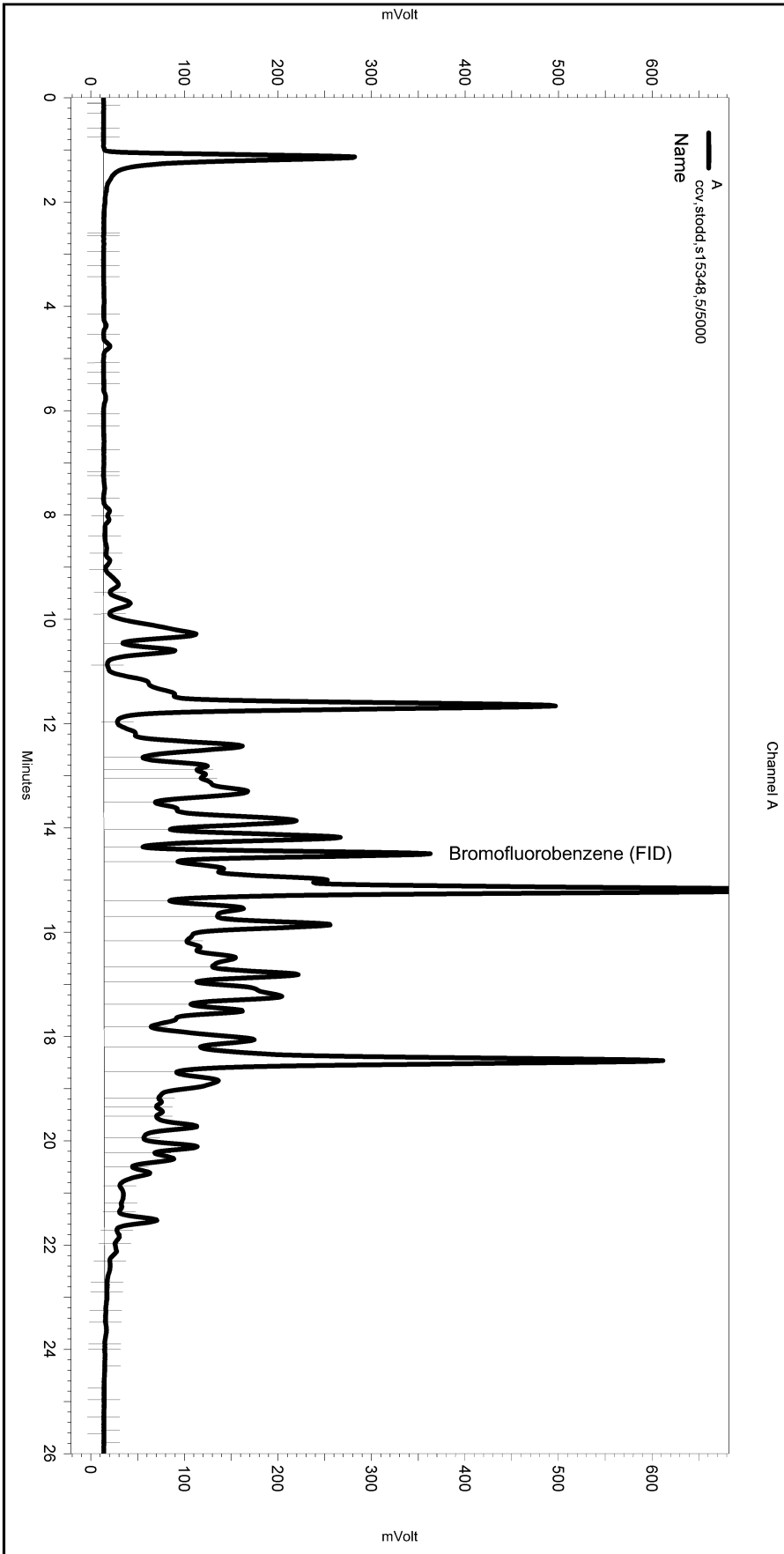
Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application
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 Data\Instrument.10047\228-003_B66C.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\228.seq
 Sample Name: ccv,stodd,s15348,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\228-013
 Instrument: GC04 Vial: N/A Operator: lims2k3\lvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\lvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/17/2010 12:36:01 AM
 Analysis Date: 8/17/2010 1:05:29 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



 ---< General Method Parameters >-----

No items selected for this section

 ---< A >-----

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application
 Data\ChromatographySystem\Recovery
 Data\Instrument.10047\228-013_B677.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-1@10FT	Batch#:	165851
Type:	SAMPLE	Sampled:	08/10/10
Lab ID:	221789-008	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	117	57-146

Field ID:	DP-1@12FT	Batch#:	165851
Type:	SAMPLE	Sampled:	08/10/10
Lab ID:	221789-009	Analyzed:	08/13/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	0.93
Stoddard Solvent C7-C12	ND	0.93

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	112	57-146

Field ID:	DP-1@20FT	Batch#:	165851
Type:	SAMPLE	Sampled:	08/10/10
Lab ID:	221789-010	Analyzed:	08/13/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	57-146

Field ID:	DP-1@16FT	Batch#:	165948
Type:	SAMPLE	Sampled:	08/10/10
Lab ID:	221789-011	Analyzed:	08/16/10
Diln Fac:	500.0		

Analyte	Result	RL
Gasoline C7-C12	5,400 Y	500
Stoddard Solvent C7-C12	3,500 Y	500

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID: DP-6@16FT Batch#: 165851
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-012 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	57-146

Field ID: DP-6@13FT Batch#: 165851
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-013 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.99
Stoddard Solvent C7-C12	ND	0.99

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	111	57-146

Field ID: DP-5@11.5FT Batch#: 165851
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-014 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	19 Y	1.0
Stoddard Solvent C7-C12	12	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	254 *	57-146

Field ID: DP-5@8FT Batch#: 165948
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-015 Analyzed: 08/16/10
 Diln Fac: 500.0

Analyte	Result	RL
Gasoline C7-C12	810 Y	500
Stoddard Solvent C7-C12	520	500

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID: DP-5@19.5FT Batch#: 165972
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-016 Analyzed: 08/16/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.95
Stoddard Solvent C7-C12	ND	0.95

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	57-146

Field ID: DP-3@26FT Batch#: 165851
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-017 Analyzed: 08/12/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

Field ID: DP-5@13.5FT Batch#: 165948
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-018 Analyzed: 08/16/10
 Diln Fac: 200.0

Analyte	Result	RL
Gasoline C7-C12	1,100 Y	200
Stoddard Solvent C7-C12	700	200

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	129	57-146

Field ID: DP-3@13FT Batch#: 165972
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-019 Analyzed: 08/16/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID: DP-3@21FT Batch#: 165851
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-020 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.94
Stoddard Solvent C7-C12	ND	0.94

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	57-146

Field ID: DP-3@16FT Batch#: 165851
 Type: SAMPLE Sampled: 08/09/10
 Lab ID: 221789-021 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.94
Stoddard Solvent C7-C12	ND	0.94

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	57-146

Field ID: DP-7@13FT Batch#: 165851
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-022 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.93
Stoddard Solvent C7-C12	ND	0.93

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	57-146

Field ID: DP-8@13FT Batch#: 165851
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-023 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.93
Stoddard Solvent C7-C12	ND	0.93

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID: DP-7@16FT Batch#: 165851
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-024 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1
Stoddard Solvent C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	57-146

Field ID: DP-8@16FT Batch#: 165851
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-025 Analyzed: 08/13/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1
Stoddard Solvent C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	57-146

Field ID: DP-4@14FT Batch#: 165972
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-026 Analyzed: 08/16/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.98
Stoddard Solvent C7-C12	ND	0.98

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	57-146

Field ID: DP-4@12FT Batch#: 165972
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-027 Analyzed: 08/17/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.99
Stoddard Solvent C7-C12	ND	0.99

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID: DP-4@16FT Batch#: 165972
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-028 Analyzed: 08/17/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	57-146

Field ID: DP-6@19FT Batch#: 165972
 Type: SAMPLE Sampled: 08/10/10
 Lab ID: 221789-029 Analyzed: 08/17/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.96
Stoddard Solvent C7-C12	ND	0.96

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

Type: BLANK Batch#: 165851
 Lab ID: QC555819 Analyzed: 08/12/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.20
Stoddard Solvent C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	57-146

Type: BLANK Batch#: 165948
 Lab ID: QC556220 Analyzed: 08/15/10
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.20
Stoddard Solvent C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	57-146

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Type: BLANK Diln Fac: 1.000
 Lab ID: QC556315 Batch#: 165972

Analyte	Result	RL	Analyzed
Gasoline C7-C12	ND	1.0	08/16/10
Stoddard Solvent C7-C12	ND	1.0	08/17/10

Surrogate	%REC	Limits	Analyzed
Bromofluorobenzene (FID)	99	57-146	08/16/10

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC555820	Batch#:	165851
Matrix:	Soil	Analyzed:	08/12/10
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9181	92	77-123

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	57-146

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	DP-3@26FT	Diln Fac:	1.000
MSS Lab ID:	221789-017	Batch#:	165851
Matrix:	Soil	Sampled:	08/09/10
Units:	mg/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/12/10

Type: MS Lab ID: QC555821

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1170	10.20	9.792	95	38-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	57-146

Type: MSD Lab ID: QC555822

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.75	10.47	96	38-120	1	56

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	57-146

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556214	Batch#:	165948
Matrix:	Soil	Analyzed:	08/15/10
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.042	104	77-123

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	57-146

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	221857-003	Batch#:	165948
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/13/10
Basis:	as received	Analyzed:	08/16/10

Type: MS Lab ID: QC556215

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1256	10.42	8.687	82	38-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	57-146

Type: MSD Lab ID: QC556216

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	8.824	87	38-120	6	56

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	57-146

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556314	Batch#:	165972
Matrix:	Soil	Analyzed:	08/16/10
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9370	94	77-123

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	57-146

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	221847-005	Batch#:	165972
Matrix:	Soil	Sampled:	08/12/10
Units:	mg/Kg	Received:	08/13/10
Basis:	as received	Analyzed:	08/16/10

Type: MS Lab ID: QC556362

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09468	10.99	5.858	52	38-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	57-146

Type: MSD Lab ID: QC556363

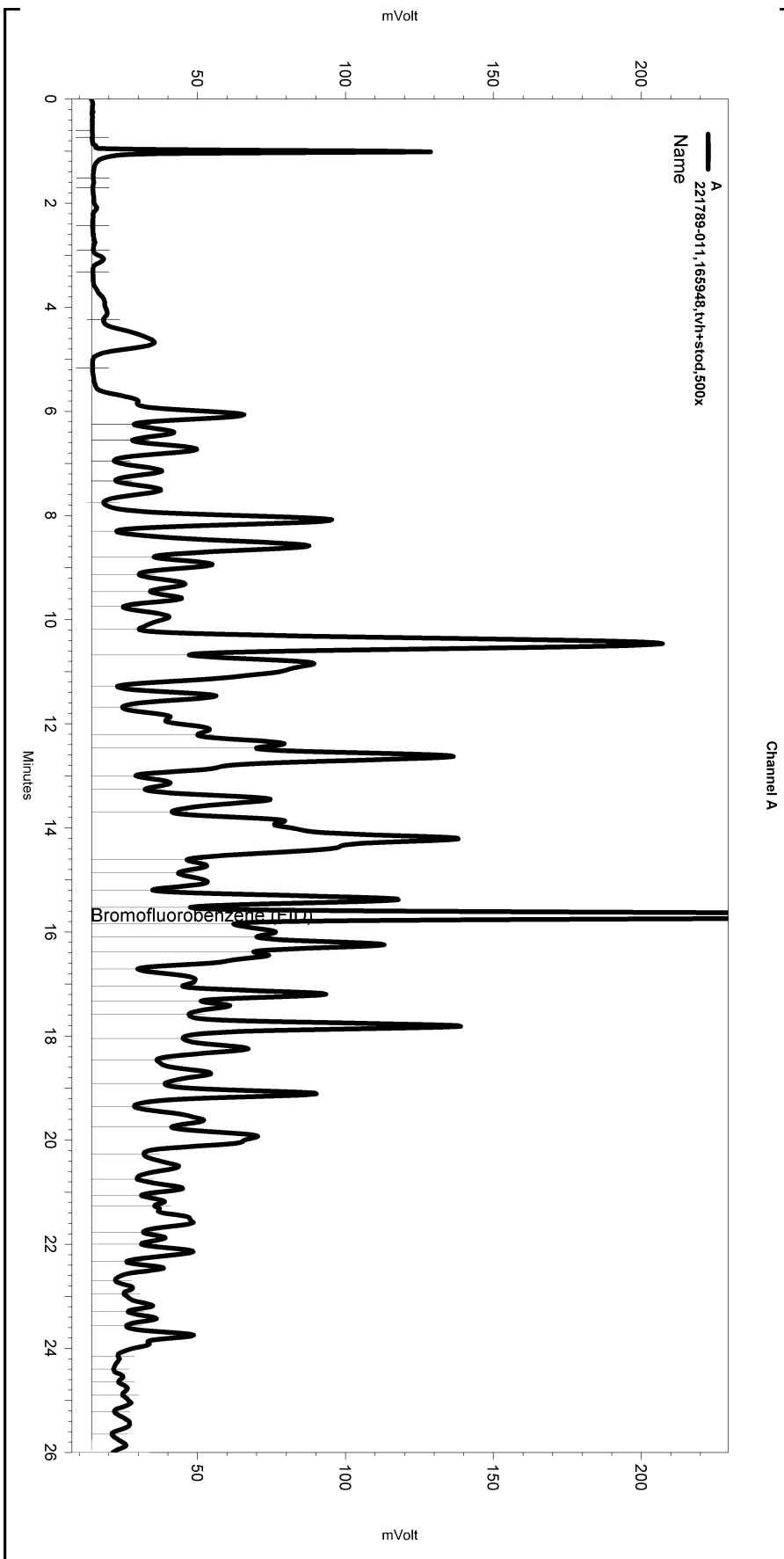
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	6.551	61	38-120	14	56

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	57-146

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\227.seq
 Sample Name: 221789-011,165948,tvh+stod,500x
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\227-022
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
 Run Date: 8/16/2010 5:02:57 AM
 Analysis Date: 8/16/2010 1:17:37 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b,DB322



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

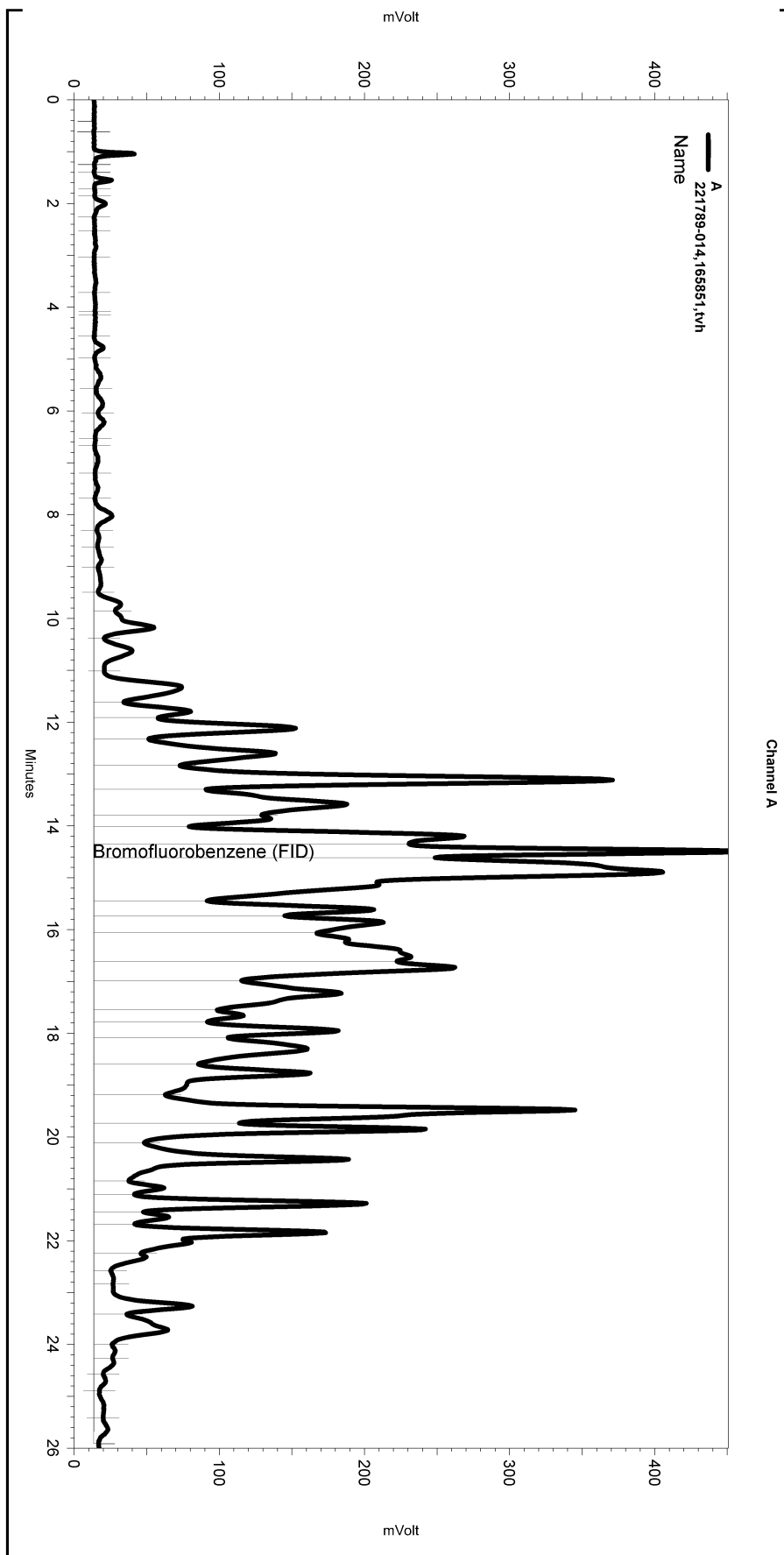
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\227-022

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.595	25.961	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\224.seq
 Sample Name: 221789-014,165851,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\224-022
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.met

Software Version 3.1.7
 Run Date: 8/13/2010 4:09:07 AM
 Analysis Date: 8/16/2010 9:33:32 AM
 Sample Amount: 0.97 Multiplier: 0.97
 Vial & pH or Core ID: b



---< General Method Parameters >---

No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

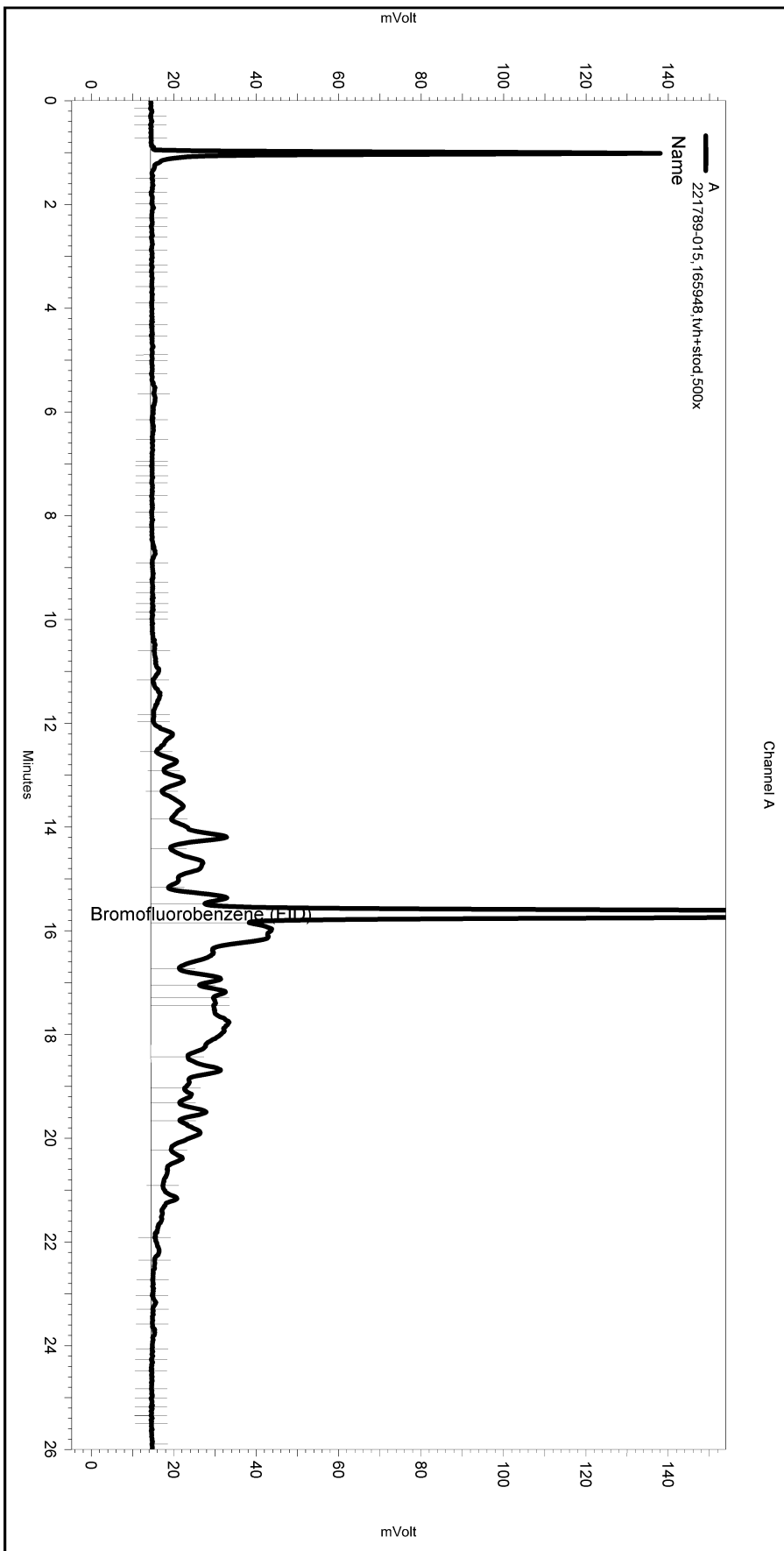
Manual Integration Fixes

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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\227.seq
 Sample Name: 221789-015,165948,tvh+stod,500x
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\227-023
 Instrument: GC05 Vial: N/A Operator: lims2k3\tvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
 Run Date: 8/16/2010 5:39:31 AM
 Analysis Date: 8/16/2010 6:08:15 AM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b,DB322



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

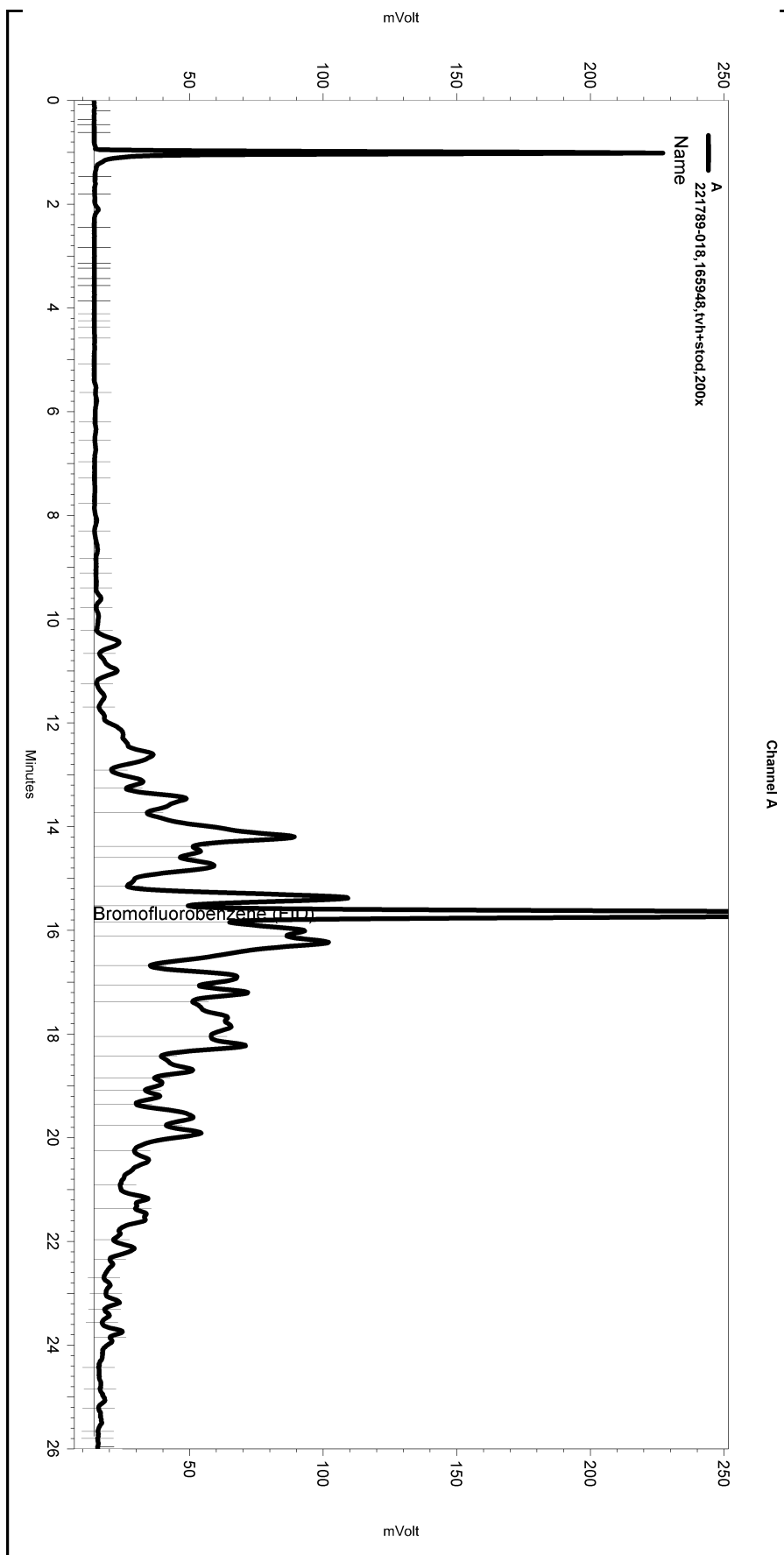
Manual Integration Fixes

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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\227.seq
 Sample Name: 221789-018,165948,tvh+stod,200x
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\227-024
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
 Run Date: 8/16/2010 6:16:04 AM
 Analysis Date: 8/16/2010 1:22:38 PM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: b,DB322



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

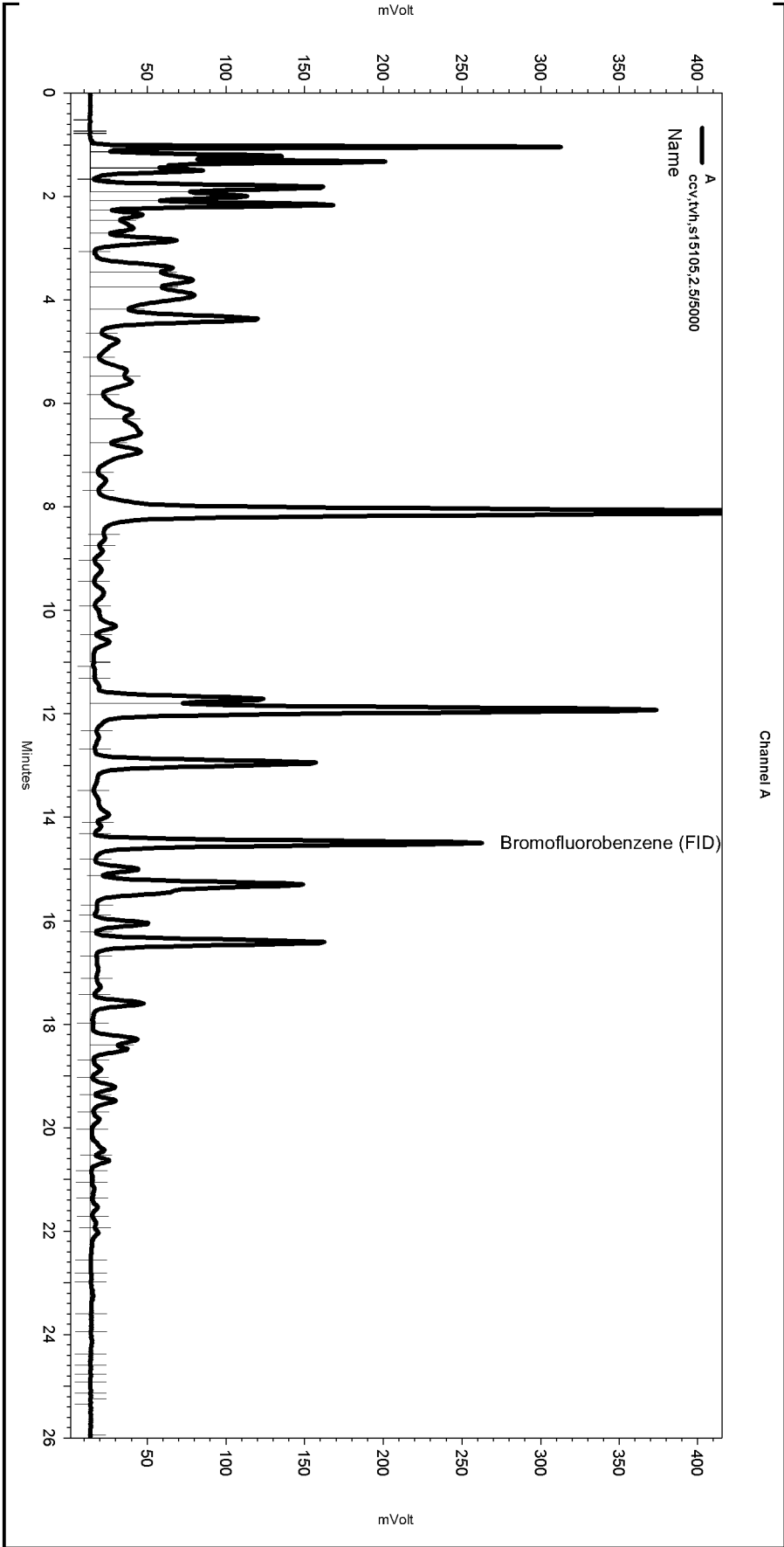
Manual Integration Fixes

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Yes	Lowest Point Horizontal Baseli	0.474	25.768	0

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 Sample Name: ccv,tvh,s15105,2.5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\224-002
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe197.met

Software Version 3.1.7
 Run Date: 8/12/2010 8:54:29 AM
 Analysis Date: 8/12/2010 5:24:25 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

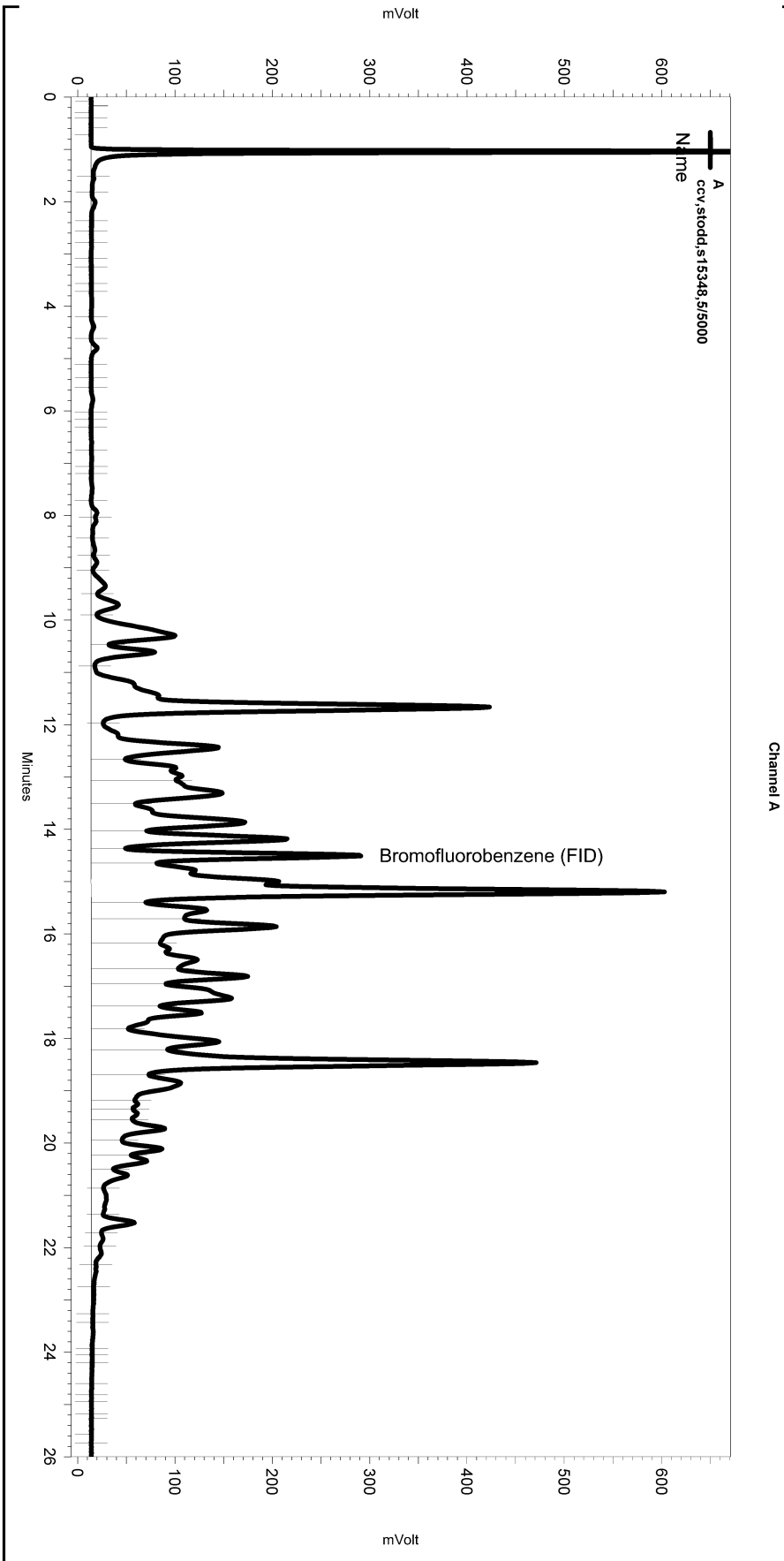
Manual Integration Fixes

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Yes	Horizontal Baseline	0.87	24.539	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\224.seq
 Sample Name: ccv,stodd,s15348,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\224-004
 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\TVHBTXE197.met

Software Version 3.1.7
 Run Date: 8/12/2010 9:54:55 AM
 Analysis Date: 8/16/2010 9:29:16 AM
 Sample Amount: 1 Multiplier: 1
 Vial & pH or Core ID: {Data Description}



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\224-004

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Total Extractable Hydrocarbons

Lab #: 221789	Location:	316 38th St., Oakland
Client: SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#: 2722	Analysis:	EPA 8015B
Matrix: Water	Received:	08/11/10
Units: ug/L	Prepared:	08/12/10
Diln Fac: 1.000	Analyzed:	08/13/10
Batch#: 165864		

Field ID: DP-1
 Type: SAMPLE
 Lab ID: 221789-001

Sampled: 08/10/10
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	730	61
Diesel C10-C24	670 Y	61

Surrogate	%REC	Limits
o-Terphenyl	88	60-129

Field ID: DP-3
 Type: SAMPLE
 Lab ID: 221789-002

Sampled: 08/09/10
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	58
Diesel C10-C24	ND	58

Surrogate	%REC	Limits
o-Terphenyl	96	60-129

Field ID: DP-4
 Type: SAMPLE
 Lab ID: 221789-003

Sampled: 08/10/10
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	1,100	63
Diesel C10-C24	1,000 Y	63

Surrogate	%REC	Limits
o-Terphenyl	73	60-129

Field ID: DP-5
 Type: SAMPLE
 Lab ID: 221789-004

Sampled: 08/09/10
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	840	59
Diesel C10-C24	770 Y	59

Surrogate	%REC	Limits
o-Terphenyl	79	60-129

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC555874	Batch#:	165864
Matrix:	Water	Prepared:	08/12/10
Units:	ug/L	Analyzed:	08/16/10

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,988	120	54-125

Surrogate	%REC	Limits
o-Terphenyl	123	60-129

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	165864
MSS Lab ID:	221775-003	Sampled:	08/10/10
Matrix:	Water	Received:	08/10/10
Units:	ug/L	Prepared:	08/12/10
Diln Fac:	1.000	Analyzed:	08/14/10

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC555875

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	120.8	2,500	1,803	67	46-131

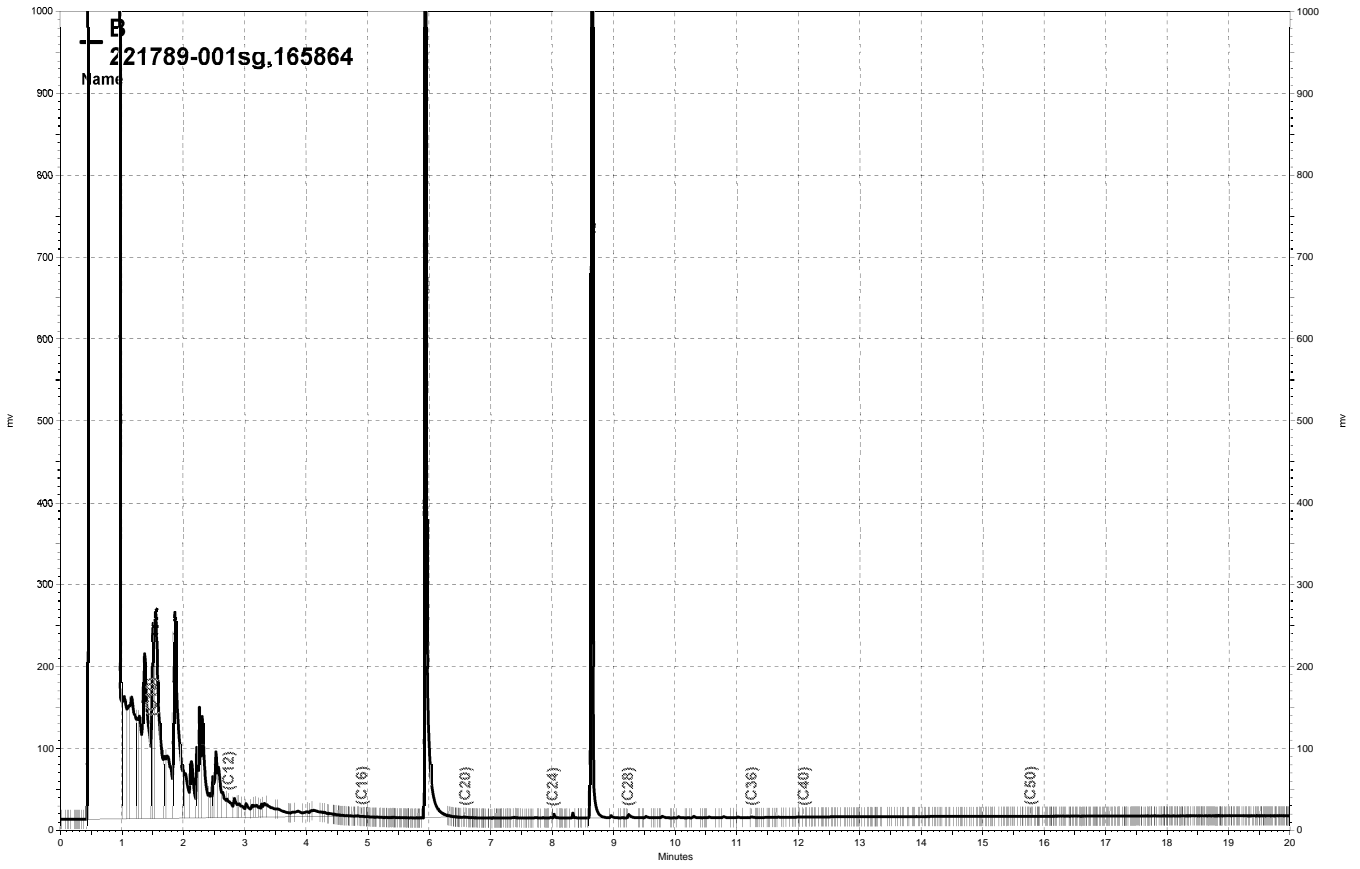
Surrogate	%REC	Limits
o-Terphenyl	78	60-129

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC555876

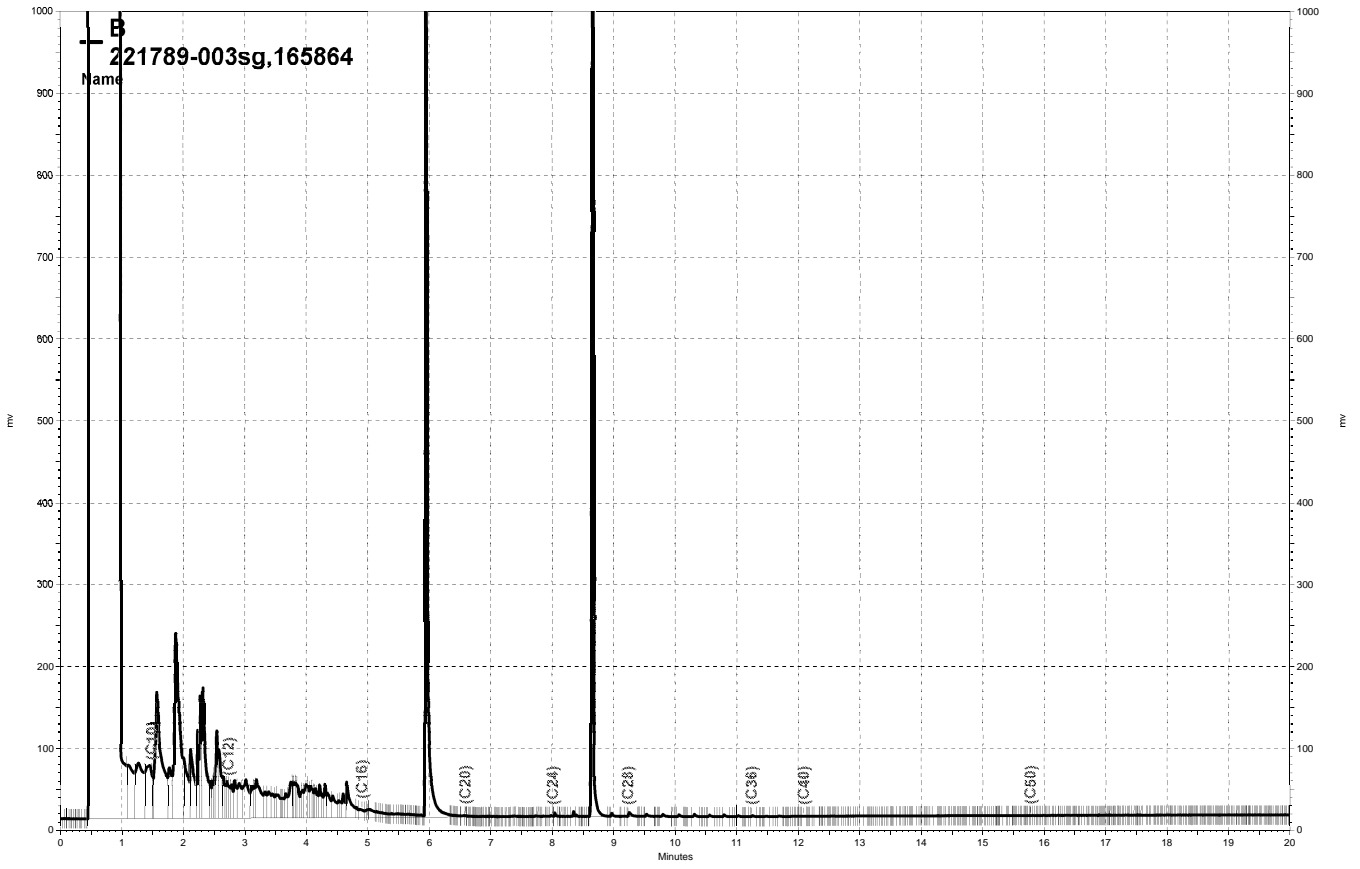
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,051	77	46-131	13	61

Surrogate	%REC	Limits
o-Terphenyl	88	60-129

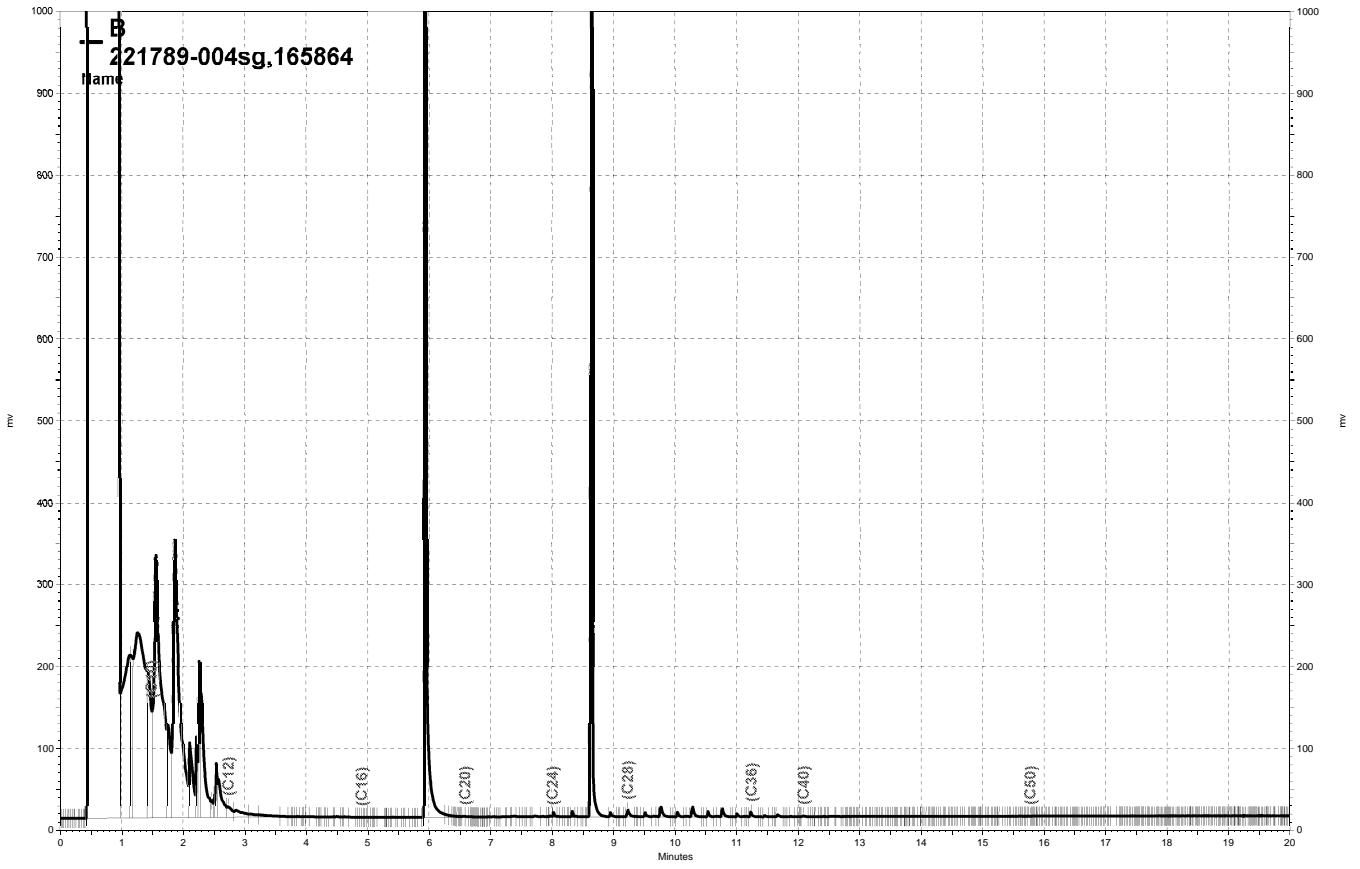
RPD= Relative Percent Difference



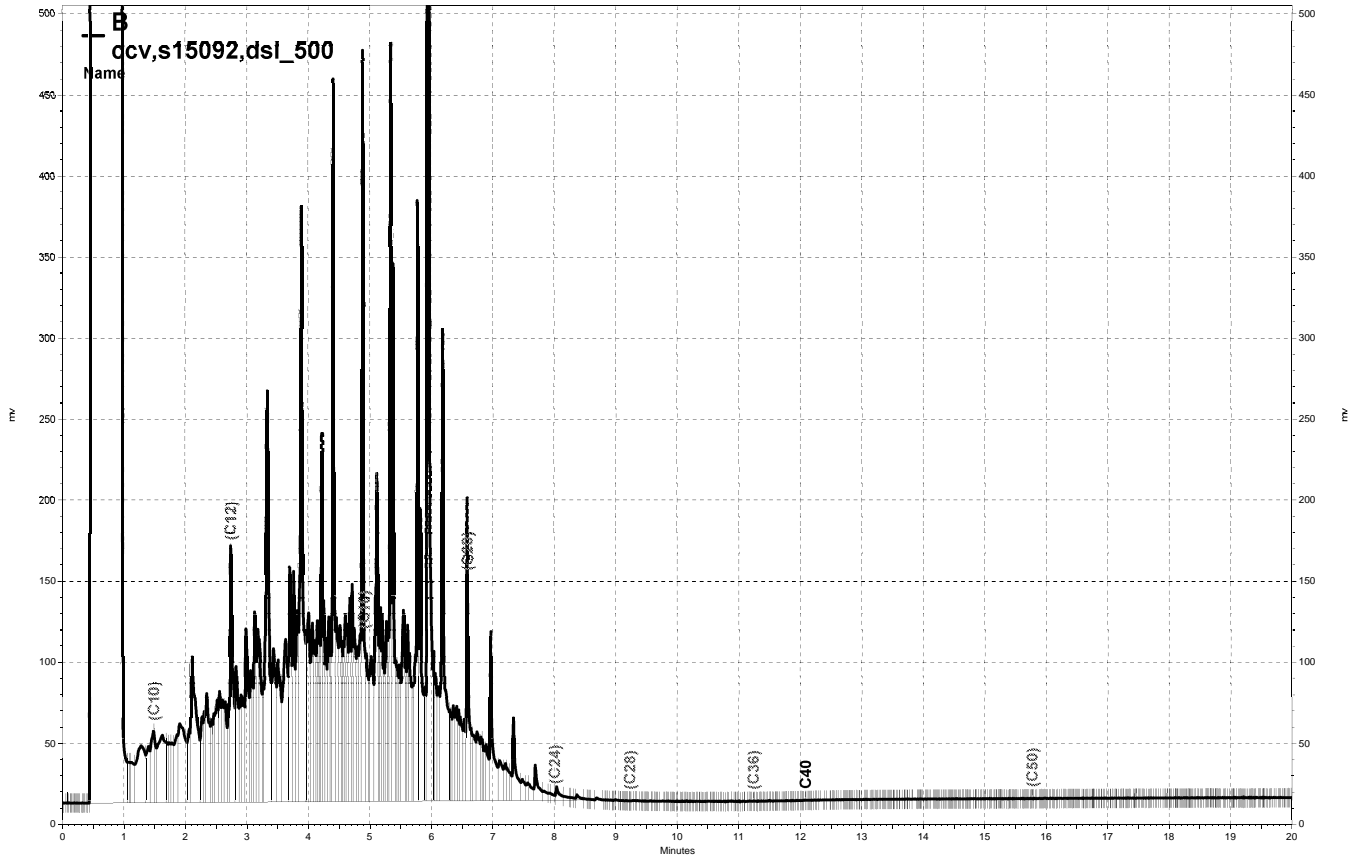
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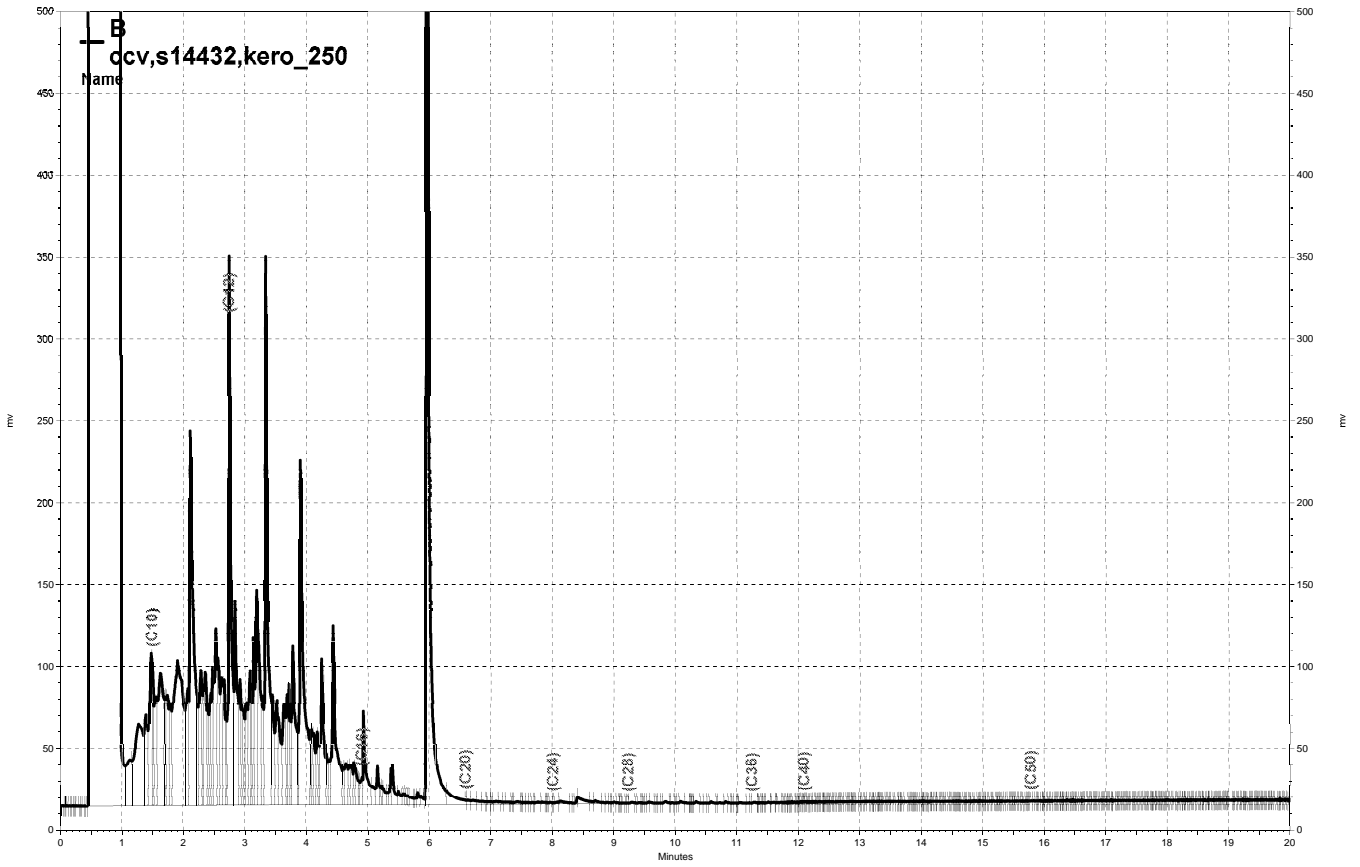
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— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\225b004, B



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Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-1@10FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-008	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	89	45-130

Field ID:	DP-1@12FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-009	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	91	45-130

Field ID:	DP-1@20FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-010	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	3.0	1.0
Diesel C10-C24	2.4 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	78	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons

Lab #: 221789	Location: 316 38th St., Oakland
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8015B
Project#: 2722	
Matrix: Soil	Basis: as received
Units: mg/Kg	Received: 08/11/10

Field ID: DP-1@16FT	Sampled: 08/10/10
Type: SAMPLE	Prepared: 08/13/10
Lab ID: 221789-011	Analyzed: 08/16/10
Diln Fac: 40.00	Prep: EPA 3550B
Batch#: 165926	Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	740	40
Diesel C10-C24	580 Y	40

Surrogate	%REC	Limits
o-Terphenyl	DO	45-130

Field ID: DP-6@16FT	Sampled: 08/10/10
Type: SAMPLE	Prepared: 08/13/10
Lab ID: 221789-012	Analyzed: 08/16/10
Diln Fac: 1.000	Prep: EPA 3550B
Batch#: 165926	Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	88	45-130

Field ID: DP-6@13FT	Sampled: 08/10/10
Type: SAMPLE	Prepared: 08/13/10
Lab ID: 221789-013	Analyzed: 08/16/10
Diln Fac: 1.000	Prep: EPA 3550B
Batch#: 165926	Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	80	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-5@11.5FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-014	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	31	1.0
Diesel C10-C24	28	1.0

Surrogate	%REC	Limits
o-Terphenyl	85	45-130

Field ID:	DP-5@8FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-015	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	360	0.99
Diesel C10-C24	290	0.99

Surrogate	%REC	Limits
o-Terphenyl	98	45-130

Field ID:	DP-5@19.5FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-016	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	86	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-3@26FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-017	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	70	45-130

Field ID:	DP-5@13.5FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-018	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	86	1.0
Diesel C10-C24	74	1.0

Surrogate	%REC	Limits
o-Terphenyl	74	45-130

Field ID:	DP-3@13FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-019	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	12	1.0
Diesel C10-C24	11	1.0

Surrogate	%REC	Limits
o-Terphenyl	76	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-3@21FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-020	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	86	45-130

Field ID:	DP-3@16FT	Sampled:	08/09/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-021	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	90	45-130

Field ID:	DP-7@13FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/13/10
Lab ID:	221789-022	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	82	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-8@13FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-023	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	81	45-130

Field ID:	DP-7@16FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-024	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	77	45-130

Field ID:	DP-8@16FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-025	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	83	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-4@14FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-026	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	9.5	1.0
Diesel C10-C24	7.5 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	87	45-130

Field ID:	DP-4@12FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-027	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	81	45-130

Field ID:	DP-4@16FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-028	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	5.3	1.0
Diesel C10-C24	4.6 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	82	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	2722		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	08/11/10

Field ID:	DP-6@19FT	Sampled:	08/10/10
Type:	SAMPLE	Prepared:	08/16/10
Lab ID:	221789-029	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	96	45-130

Type:	BLANK	Prepared:	08/13/10
Lab ID:	QC556133	Analyzed:	08/16/10
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	165926	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	81	45-130

Type:	BLANK	Prepared:	08/16/10
Lab ID:	QC556332	Analyzed:	08/17/10
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	165977	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	101	45-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550B
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556134	Batch#:	165926
Matrix:	Soil	Prepared:	08/13/10
Units:	mg/Kg	Analyzed:	08/16/10

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.86	38.34	77	45-143

Surrogate	%REC	Limits
o-Terphenyl	81	45-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550B
Project#:	2722	Analysis:	EPA 8015B
Field ID:	DP-1@10FT	Batch#:	165926
MSS Lab ID:	221789-008	Sampled:	08/10/10
Matrix:	Soil	Received:	08/11/10
Units:	mg/Kg	Prepared:	08/13/10
Basis:	as received	Analyzed:	08/16/10
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC556135

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	0.5863	49.90	40.23	79	32-142

Surrogate	%REC	Limits
o-Terphenyl	87	45-130

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC556136

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.83	41.61	82	32-142	4	55

Surrogate	%REC	Limits
o-Terphenyl	90	45-130

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556333	Batch#:	165977
Matrix:	Soil	Prepared:	08/16/10
Units:	mg/Kg	Analyzed:	08/16/10

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.85	45.36	91	45-143

Surrogate	%REC	Limits
o-Terphenyl	99	45-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2722	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	165977
MSS Lab ID:	221857-003	Sampled:	08/12/10
Matrix:	Soil	Received:	08/13/10
Units:	mg/Kg	Prepared:	08/16/10
Basis:	as received	Analyzed:	08/17/10
Diln Fac:	5.000		

Type: MS Lab ID: QC556334

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	27.91	49.83	73.97	92	32-142

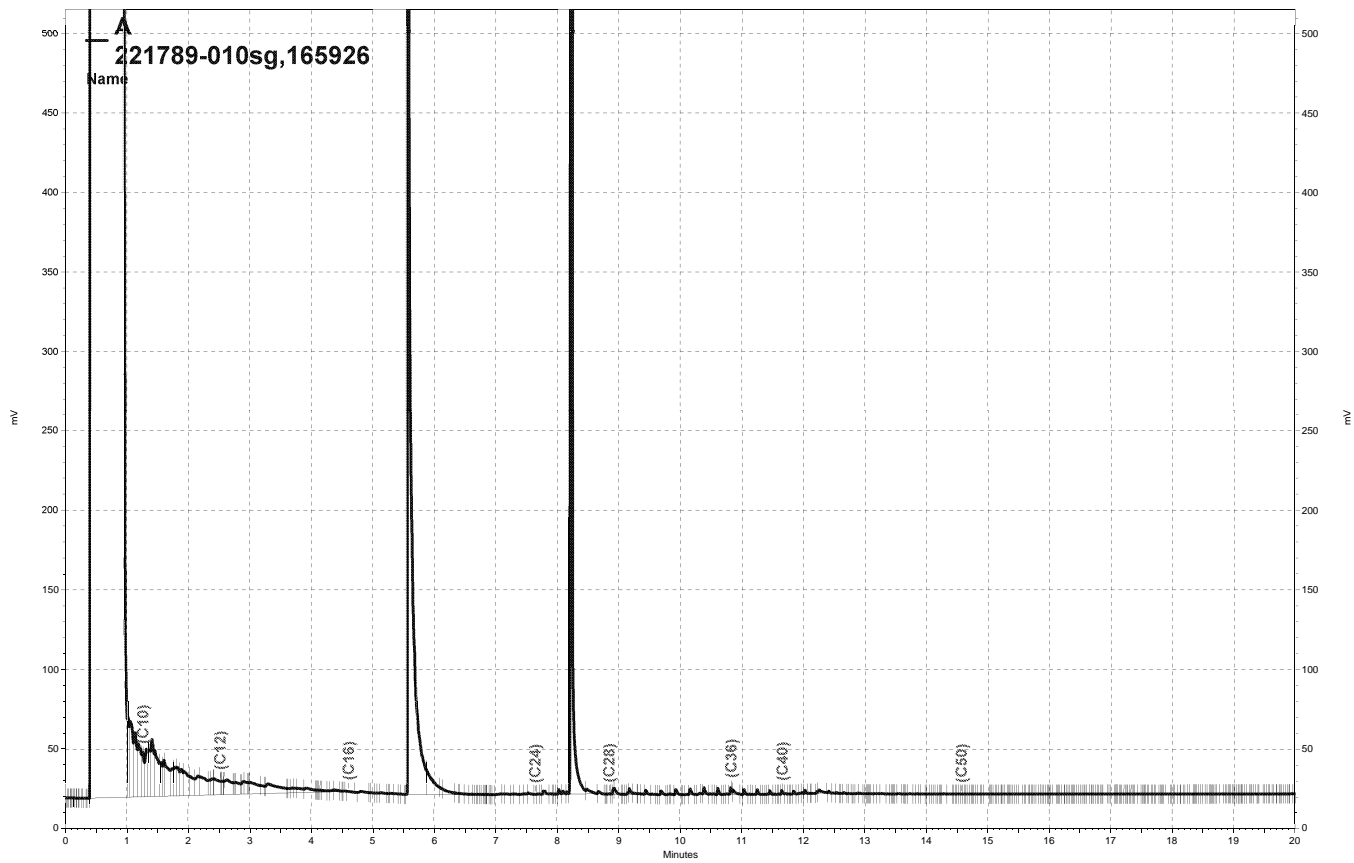
Surrogate	%REC	Limits
o-Terphenyl	89	45-130

Type: MSD Lab ID: QC556335

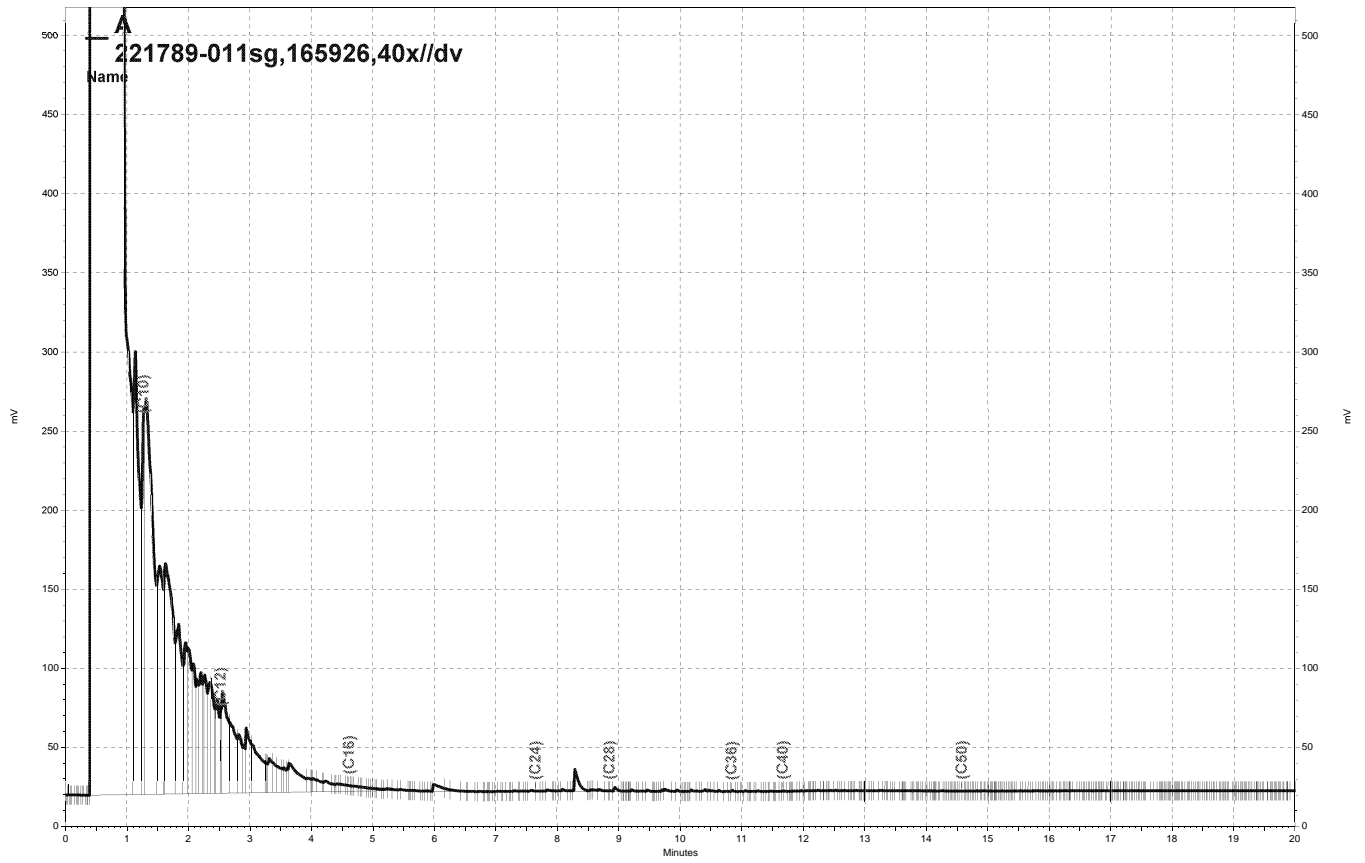
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.61	76.48	98	32-142	4	55

Surrogate	%REC	Limits
o-Terphenyl	91	45-130

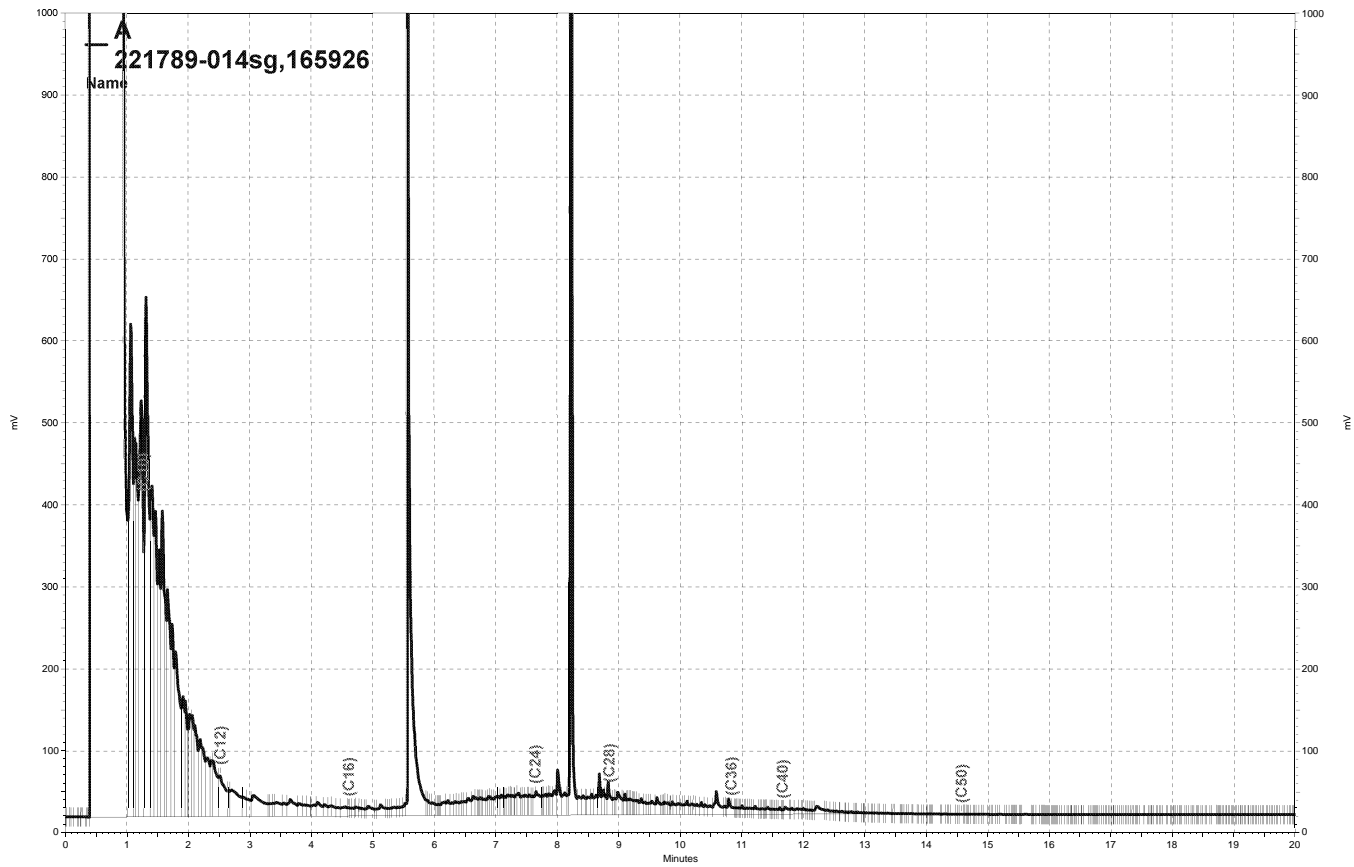
RPD= Relative Percent Difference



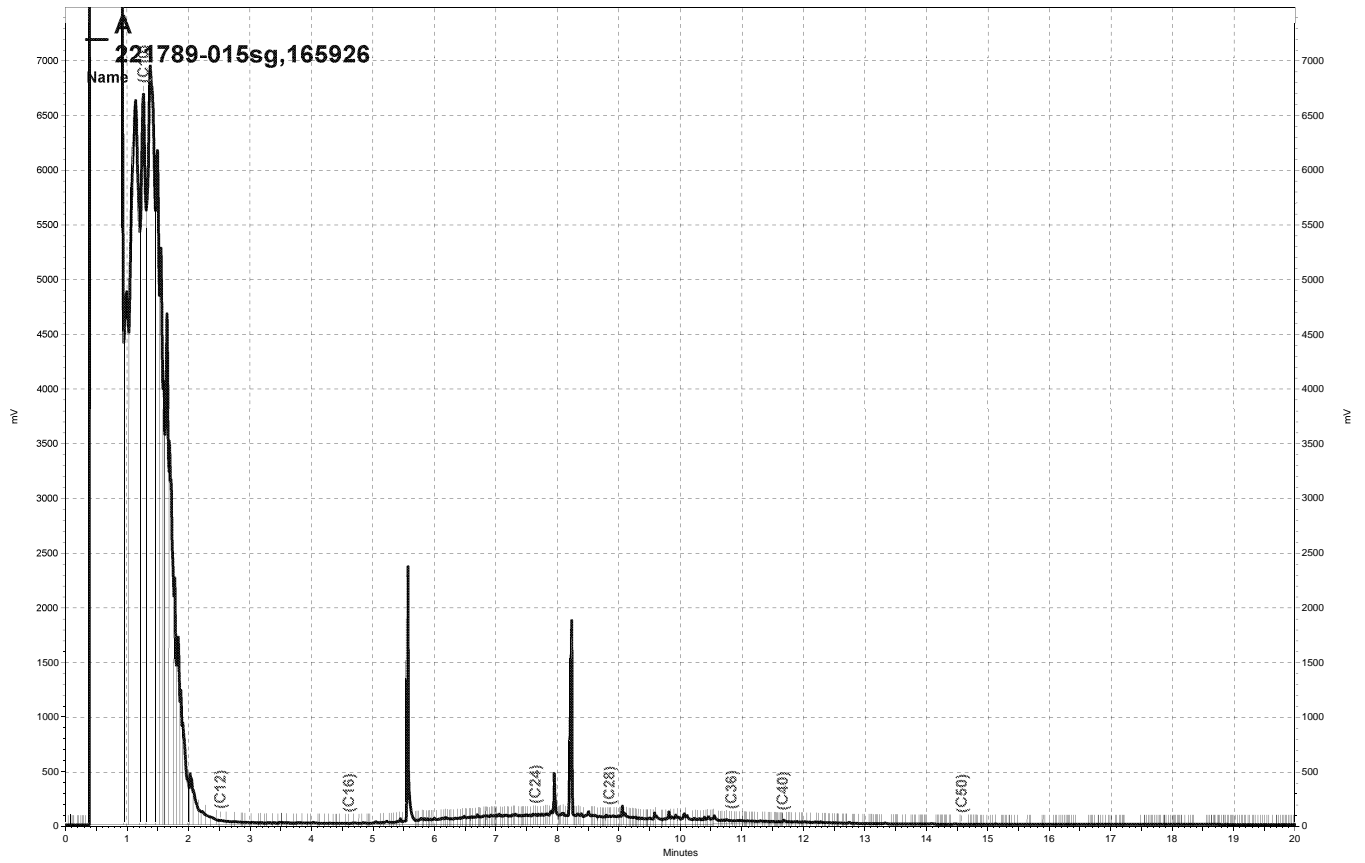
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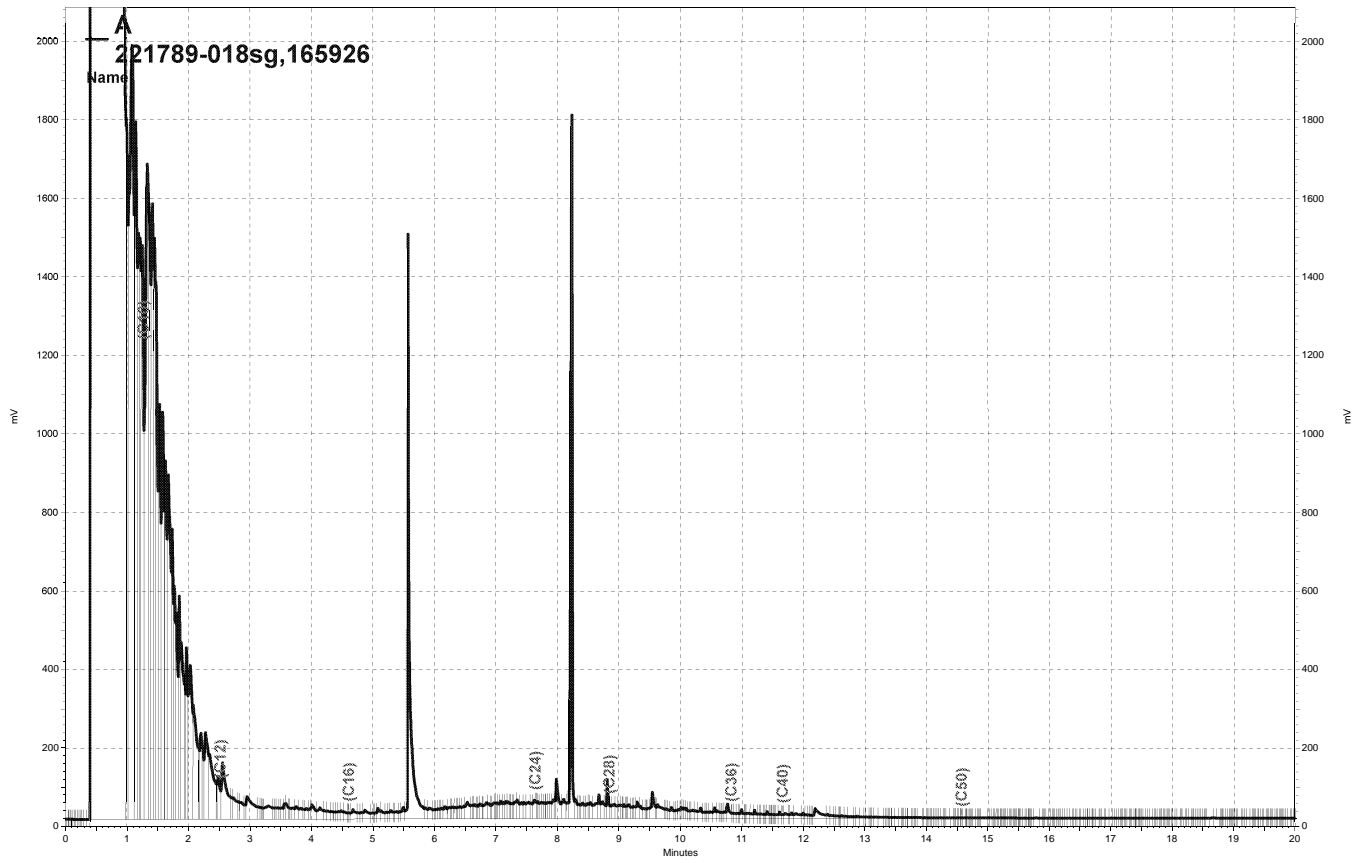
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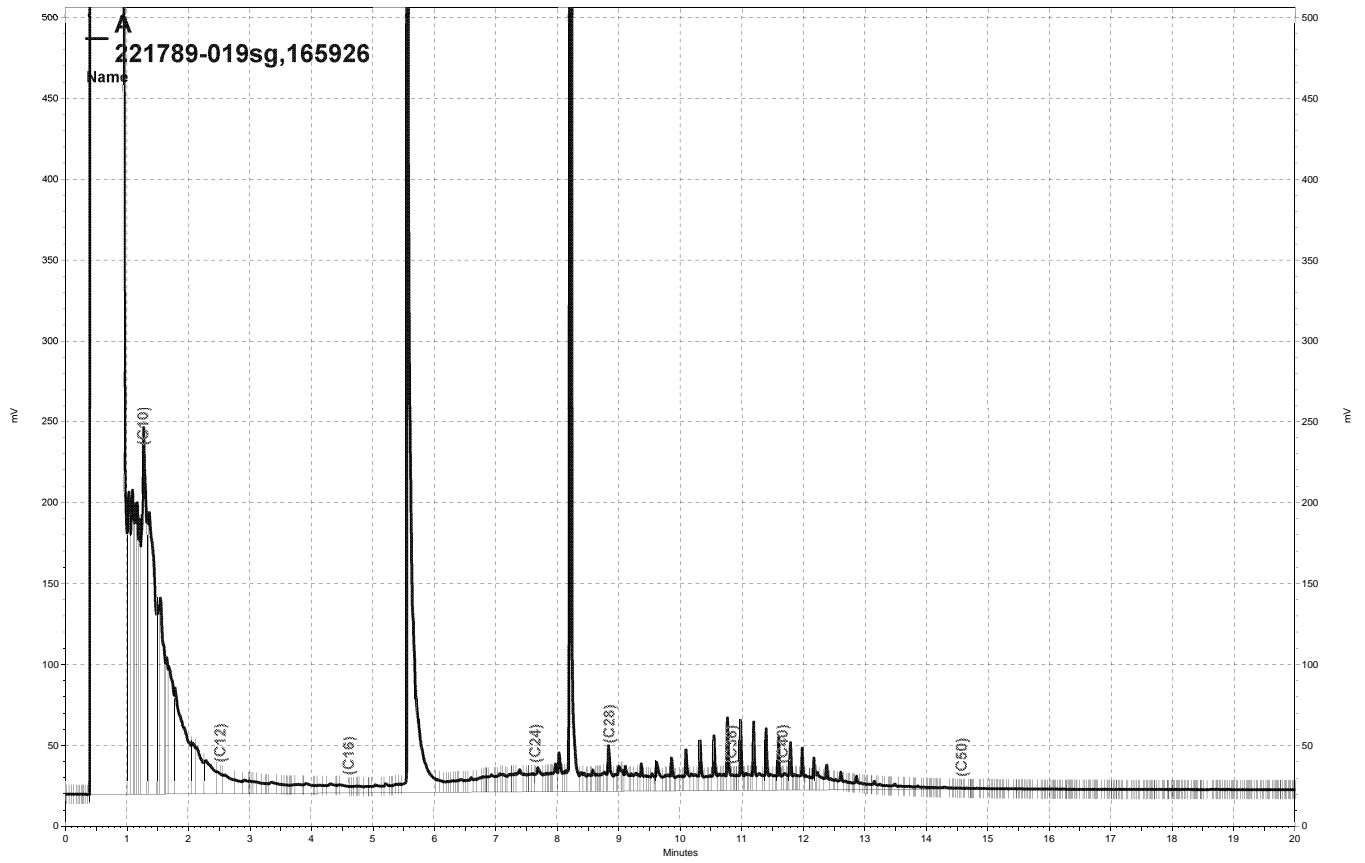
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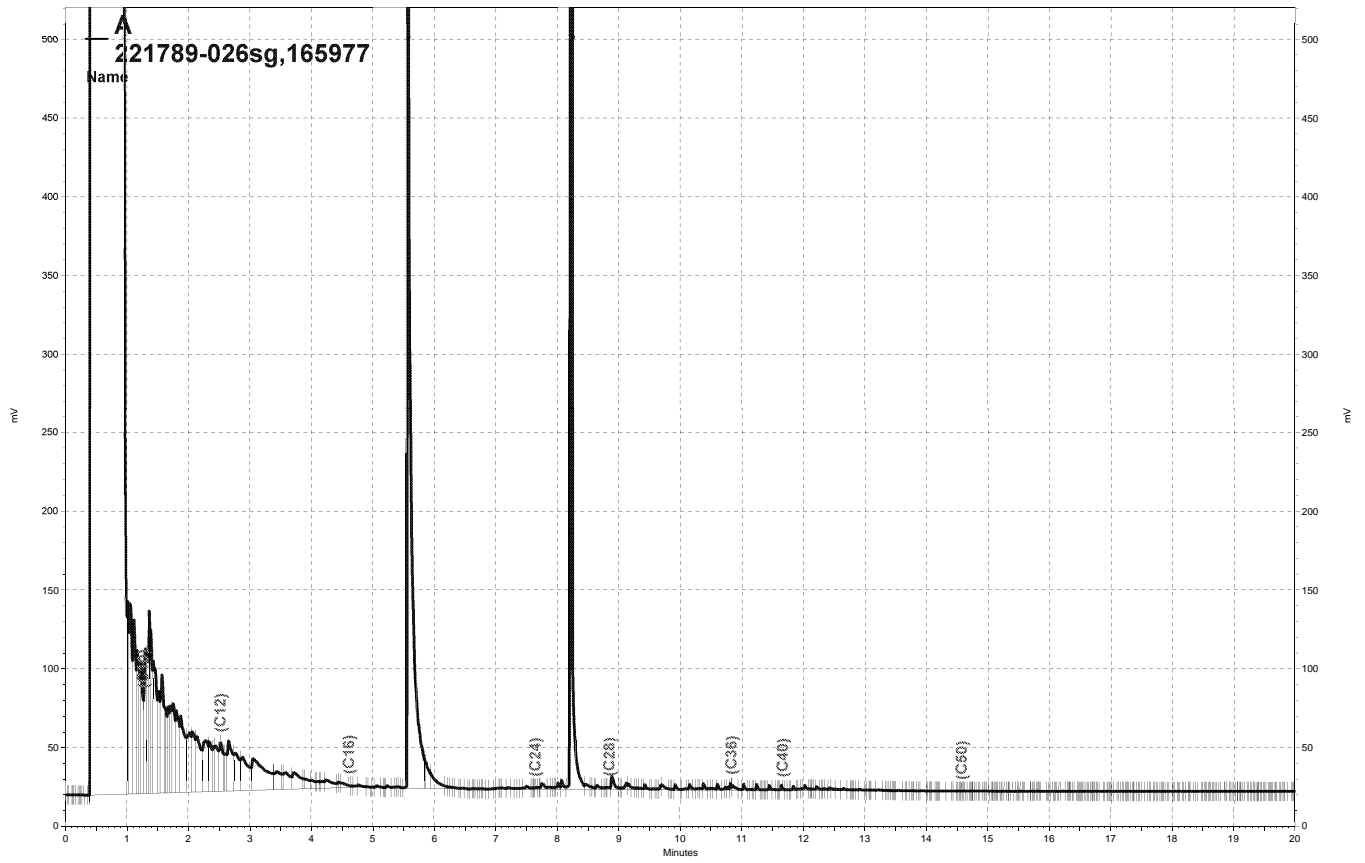
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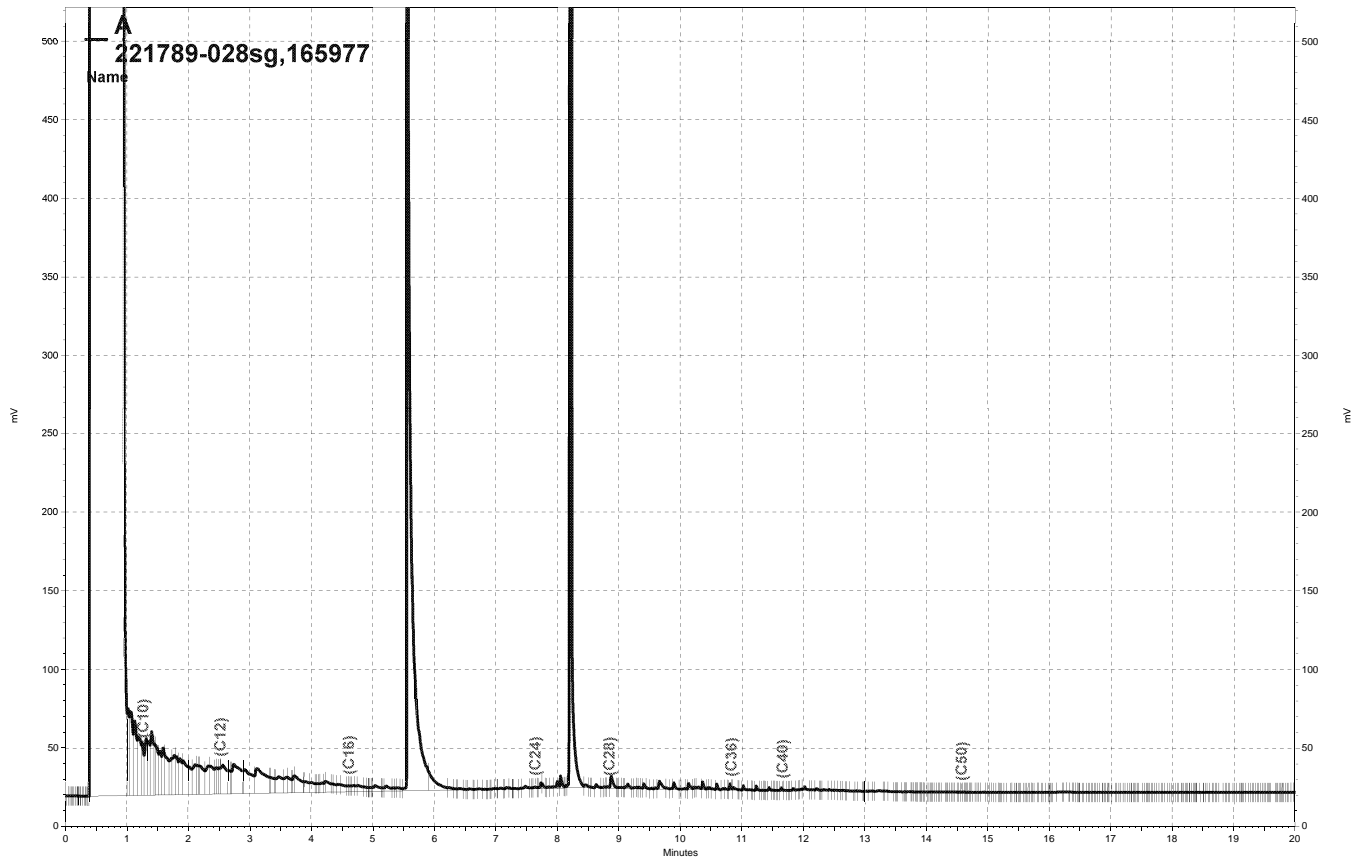
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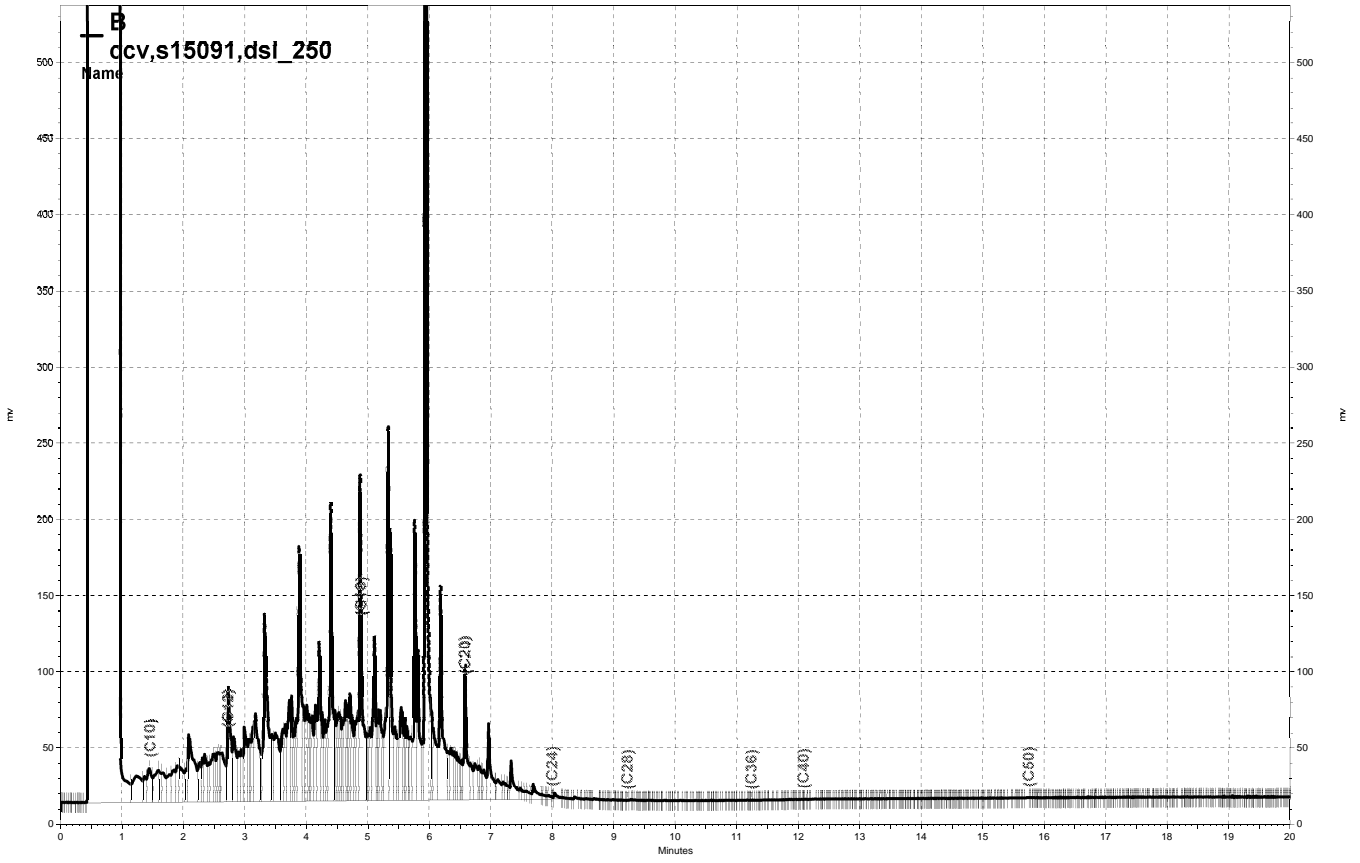
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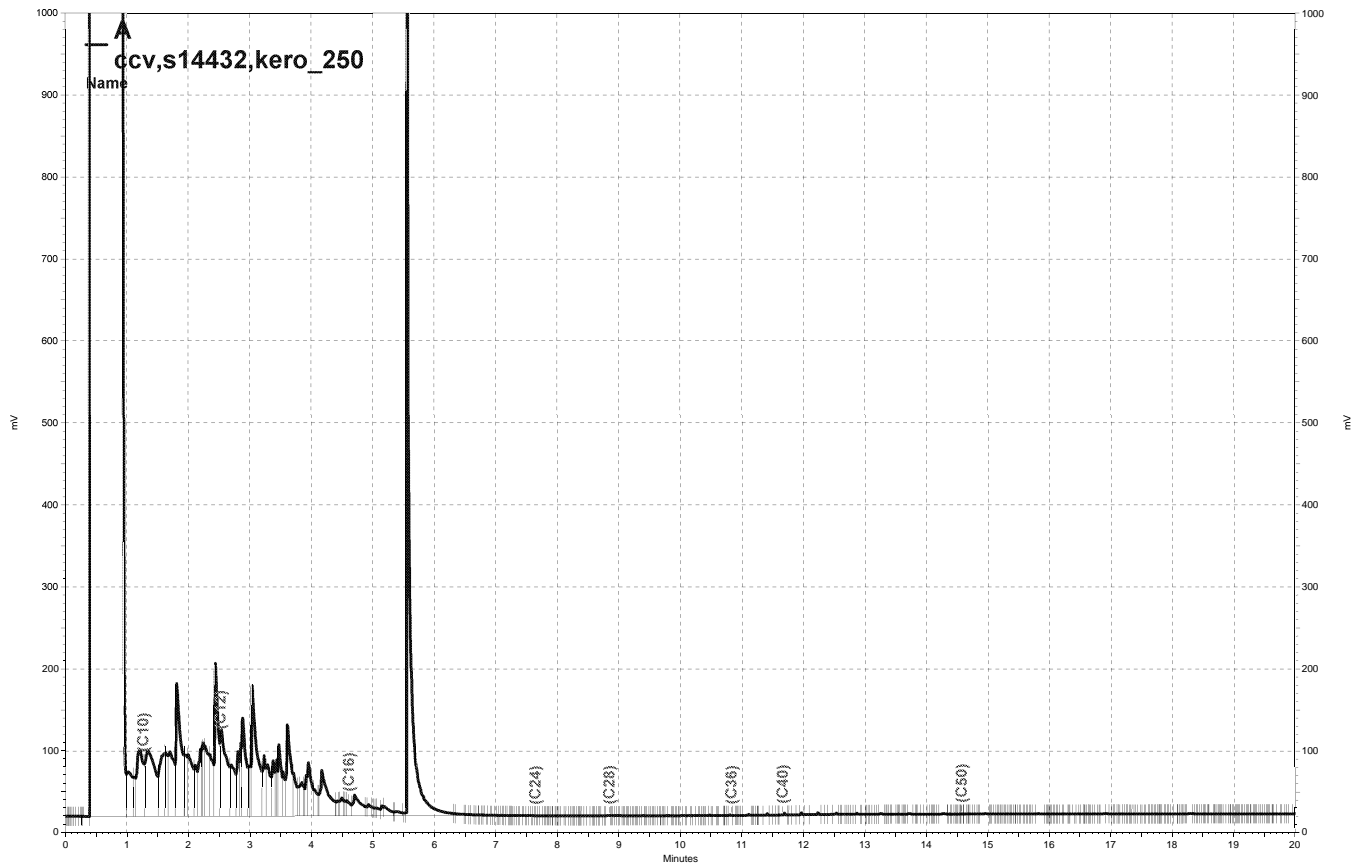
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Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1	Batch#:	165889
Lab ID:	221789-001	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/13/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	22	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	2.4	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	59	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	4.4	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	14	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	1.1	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	0.5	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	50	0.5
m,p-Xylenes	38	0.5
o-Xylene	7.8	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	28	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1	Batch#:	165889
Lab ID:	221789-001	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/13/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	33	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	9.7	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	2.3	0.5
1,2,4-Trimethylbenzene	97	0.5
sec-Butylbenzene	9.0	0.5
para-Isopropyl Toluene	8.7	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	17	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	104	71-140
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3	Batch#:	165833
Lab ID:	221789-002	Sampled:	08/09/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3	Batch#:	165833
Lab ID:	221789-002	Sampled:	08/09/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	109	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	98	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4	Batch#:	165941
Lab ID:	221789-003	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	1.3	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	5.5	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.9	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	20	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	6.0	0.5
m,p-Xylenes	1.1	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	7.2	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4	Batch#:	165941
Lab ID:	221789-003	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	7.8	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	0.9	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	2.9	0.5
1,2,4-Trimethylbenzene	4.2	0.5
sec-Butylbenzene	3.4	0.5
para-Isopropyl Toluene	0.5	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	0.6	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	6.8	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-122
1,2-Dichloroethane-d4	118	71-140
Toluene-d8	103	80-120
Bromofluorobenzene	112	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5	Batch#:	165941
Lab ID:	221789-004	Sampled:	08/09/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	0.6	0.5
MTBE	0.6	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	0.6	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	0.6	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5	Batch#:	165941
Lab ID:	221789-004	Sampled:	08/09/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	3.1	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	1.2	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	1.0	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	99	71-140
Toluene-d8	103	80-120
Bromofluorobenzene	125 *	80-121

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6	Batch#:	165833
Lab ID:	221789-005	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6	Batch#:	165833
Lab ID:	221789-005	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	103	71-140
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-7	Batch#:	165833
Lab ID:	221789-006	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	8.3	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-7	Batch#:	165833
Lab ID:	221789-006	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-122
1,2-Dichloroethane-d4	106	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-8	Batch#:	165833
Lab ID:	221789-007	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	27	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-8	Batch#:	165833
Lab ID:	221789-007	Sampled:	08/10/10
Matrix:	Water	Received:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	106	71-140
Toluene-d8	103	80-120
Bromofluorobenzene	104	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	165833
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Type: BS Lab ID: QC555738

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	119.3	95	45-152
Isopropyl Ether (DIPE)	25.00	22.97	92	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	20.25	81	60-124
Methyl tert-Amyl Ether (TAME)	25.00	20.52	82	66-120
1,1-Dichloroethene	25.00	24.22	97	72-138
Benzene	25.00	24.97	100	80-122
Trichloroethene	25.00	22.10	88	80-122
Toluene	25.00	25.11	100	80-120
Chlorobenzene	25.00	25.29	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	106	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	92	80-121

Type: BSD Lab ID: QC555739

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	77.03	62	45-152	43 *	30
Isopropyl Ether (DIPE)	25.00	21.75	87	56-134	5	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.80	79	60-124	2	20
Methyl tert-Amyl Ether (TAME)	25.00	19.73	79	66-120	4	20
1,1-Dichloroethene	25.00	22.75	91	72-138	6	20
Benzene	25.00	24.48	98	80-122	2	20
Trichloroethene	25.00	21.26	85	80-122	4	20
Toluene	25.00	23.98	96	80-120	5	20
Chlorobenzene	25.00	24.10	96	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	109	71-140
Toluene-d8	101	80-120
Bromofluorobenzene	92	80-121

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555740	Batch#:	165833
Matrix:	Water	Analyzed:	08/12/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555740	Batch#:	165833
Matrix:	Water	Analyzed:	08/12/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-122
1,2-Dichloroethane-d4	110	71-140
Toluene-d8	103	80-120
Bromofluorobenzene	98	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	165889
MSS Lab ID:	221655-023	Sampled:	08/04/10
Matrix:	Water	Received:	08/04/10
Units:	ug/L	Analyzed:	08/13/10
Diln Fac:	6.250		

Type: MS Lab ID: QC555971

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<9.112	781.3	655.9	84	57-142
Isopropyl Ether (DIPE)	<0.6250	156.3	143.0	91	70-122
Ethyl tert-Butyl Ether (ETBE)	<0.6250	156.3	135.4	87	71-120
Methyl tert-Amyl Ether (TAME)	<0.6250	156.3	133.9	86	75-120
1,1-Dichloroethene	<0.6250	156.3	164.9	106	80-134
Benzene	<0.6250	156.3	150.1	96	80-121
Trichloroethene	432.9	156.3	556.6	79	77-126
Toluene	<0.6250	156.3	163.1	104	80-120
Chlorobenzene	<0.7101	156.3	163.2	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	82	71-140
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-121

Type: MSD Lab ID: QC555972

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	781.3	650.6	83	57-142	1	32
Isopropyl Ether (DIPE)	156.3	136.0	87	70-122	5	20
Ethyl tert-Butyl Ether (ETBE)	156.3	133.3	85	71-120	2	20
Methyl tert-Amyl Ether (TAME)	156.3	133.3	85	75-120	0	20
1,1-Dichloroethene	156.3	153.8	98	80-134	7	20
Benzene	156.3	146.9	94	80-121	2	20
Trichloroethene	156.3	545.9	72 *	77-126	2	20
Toluene	156.3	159.5	102	80-120	2	20
Chlorobenzene	156.3	156.9	100	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-122
1,2-Dichloroethane-d4	84	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-121

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555973	Batch#:	165889
Matrix:	Water	Analyzed:	08/13/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555973	Batch#:	165889
Matrix:	Water	Analyzed:	08/13/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-122
1,2-Dichloroethane-d4	94	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	106	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556043	Batch#:	165889
Matrix:	Water	Analyzed:	08/13/10
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	115.3	92	45-152
Isopropyl Ether (DIPE)	25.00	24.14	97	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	23.02	92	60-124
Methyl tert-Amyl Ether (TAME)	25.00	22.27	89	66-120
1,1-Dichloroethene	25.00	27.21	109	72-138
Benzene	25.00	25.04	100	80-122
Trichloroethene	25.00	22.98	92	80-122
Toluene	25.00	26.51	106	80-120
Chlorobenzene	25.00	25.90	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	91	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-121

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556191	Batch#:	165941
Matrix:	Water	Analyzed:	08/15/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556191	Batch#:	165941
Matrix:	Water	Analyzed:	08/15/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	110	71-140
Toluene-d8	110	80-120
Bromofluorobenzene	109	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	165941
Units:	ug/L	Analyzed:	08/15/10
Diln Fac:	1.000		

Type: BS Lab ID: QC556192

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	103.9	104	45-152
Isopropyl Ether (DIPE)	20.00	19.87	99	56-134
Ethyl tert-Butyl Ether (ETBE)	20.00	19.02	95	60-124
Methyl tert-Amyl Ether (TAME)	20.00	18.69	93	66-120
1,1-Dichloroethene	20.00	18.92	95	72-138
Benzene	20.00	19.31	97	80-122
Trichloroethene	20.00	18.03	90	80-122
Toluene	20.00	20.11	101	80-120
Chlorobenzene	20.00	19.28	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	107	71-140
Toluene-d8	109	80-120
Bromofluorobenzene	103	80-121

Type: BSD Lab ID: QC556193

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	108.6	109	45-152	4	30
Isopropyl Ether (DIPE)	20.00	19.09	95	56-134	4	20
Ethyl tert-Butyl Ether (ETBE)	20.00	18.74	94	60-124	2	20
Methyl tert-Amyl Ether (TAME)	20.00	19.00	95	66-120	2	20
1,1-Dichloroethene	20.00	17.33	87	72-138	9	20
Benzene	20.00	18.46	92	80-122	5	20
Trichloroethene	20.00	17.40	87	80-122	4	20
Toluene	20.00	19.29	96	80-120	4	20
Chlorobenzene	20.00	18.88	94	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	108	71-140
Toluene-d8	107	80-120
Bromofluorobenzene	108	80-121

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@10FT	Diln Fac:	0.9804
Lab ID:	221789-008	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.8
tert-Butyl Alcohol (TBA)	ND	98
Chloromethane	ND	9.8
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.8
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	980
Acetone	20	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@10FT	Diln Fac:	0.9804
Lab ID:	221789-008	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	87	78-122
1,2-Dichloroethane-d4	104	68-152
Toluene-d8	108	80-120
Bromofluorobenzene	113	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@12FT	Diln Fac:	0.9940
Lab ID:	221789-009	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.9
tert-Butyl Alcohol (TBA)	ND	99
Chloromethane	ND	9.9
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	9.9
Bromomethane	ND	9.9
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	9.9
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	990
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	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	9.9
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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	9.9
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	9.9
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@12FT	Diln Fac:	0.9940
Lab ID:	221789-009	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
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	88	78-122
1,2-Dichloroethane-d4	107	68-152
Toluene-d8	110	80-120
Bromofluorobenzene	118	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@20FT	Diln Fac:	0.9823
Lab ID:	221789-010	Batch#:	165939
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	9.8
tert-Butyl Alcohol (TBA)	ND	98
Chloromethane	ND	9.8
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.8
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	980
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@20FT	Diln Fac:	0.9823
Lab ID:	221789-010	Batch#:	165939
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-122
1,2-Dichloroethane-d4	102	68-152
Toluene-d8	99	80-120
Bromofluorobenzene	117	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@16FT	Diln Fac:	500.0
Lab ID:	221789-011	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	5,000
tert-Butyl Alcohol (TBA)	ND	50,000
Chloromethane	ND	5,000
Isopropyl Ether (DIPE)	ND	2,500
Vinyl Chloride	ND	5,000
Bromomethane	ND	5,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,500
Chloroethane	ND	5,000
Methyl tert-Amyl Ether (TAME)	ND	2,500
Trichlorofluoromethane	ND	2,500
Ethanol	ND	500,000
Acetone	ND	10,000
Freon 113	ND	2,500
1,1-Dichloroethene	ND	2,500
Methylene Chloride	ND	10,000
Carbon Disulfide	ND	2,500
MTBE	ND	2,500
trans-1,2-Dichloroethene	ND	2,500
Vinyl Acetate	ND	25,000
1,1-Dichloroethane	ND	2,500
2-Butanone	ND	5,000
cis-1,2-Dichloroethene	ND	2,500
2,2-Dichloropropane	ND	2,500
Chloroform	ND	2,500
Bromochloromethane	ND	2,500
1,1,1-Trichloroethane	ND	2,500
1,1-Dichloropropene	ND	2,500
Carbon Tetrachloride	ND	2,500
1,2-Dichloroethane	ND	2,500
Benzene	ND	2,500
Trichloroethene	ND	2,500
1,2-Dichloropropane	ND	2,500
Bromodichloromethane	ND	2,500
Dibromomethane	ND	2,500
4-Methyl-2-Pentanone	ND	5,000
cis-1,3-Dichloropropene	ND	2,500
Toluene	ND	2,500
trans-1,3-Dichloropropene	ND	2,500
1,1,2-Trichloroethane	ND	2,500
2-Hexanone	ND	5,000
1,3-Dichloropropane	ND	2,500
Tetrachloroethene	ND	2,500
Dibromochloromethane	ND	2,500
1,2-Dibromoethane	ND	2,500
Chlorobenzene	ND	2,500
1,1,1,2-Tetrachloroethane	ND	2,500
Ethylbenzene	18,000	2,500
m,p-Xylenes	18,000	2,500
o-Xylene	ND	2,500
Styrene	ND	2,500
Bromoform	ND	2,500
Isopropylbenzene	12,000	2,500
1,1,2,2-Tetrachloroethane	ND	2,500

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-1@16FT	Diln Fac:	500.0
Lab ID:	221789-011	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
1,2,3-Trichloropropane	ND	2,500
Propylbenzene	17,000	2,500
Bromobenzene	ND	2,500
1,3,5-Trimethylbenzene	ND	2,500
2-Chlorotoluene	ND	2,500
4-Chlorotoluene	ND	2,500
tert-Butylbenzene	ND	2,500
1,2,4-Trimethylbenzene	72,000	2,500
sec-Butylbenzene	6,500	2,500
para-Isopropyl Toluene	7,900	2,500
1,3-Dichlorobenzene	ND	2,500
1,4-Dichlorobenzene	ND	2,500
n-Butylbenzene	ND	2,500
1,2-Dichlorobenzene	ND	2,500
1,2-Dibromo-3-Chloropropane	ND	2,500
1,2,4-Trichlorobenzene	ND	2,500
Hexachlorobutadiene	ND	2,500
Naphthalene	8,700	2,500
1,2,3-Trichlorobenzene	ND	2,500

Surrogate	%REC	Limits
Dibromofluoromethane	78	78-122
1,2-Dichloroethane-d4	81	68-152
Toluene-d8	94	80-120
Bromofluorobenzene	149 *	76-132
Trifluorotoluene (MeOH)	116	60-150

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6@16FT	Diln Fac:	0.9843
Lab ID:	221789-012	Batch#:	165939
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	9.8
tert-Butyl Alcohol (TBA)	ND	98
Chloromethane	ND	9.8
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.8
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	980
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6@16FT	Diln Fac:	0.9843
Lab ID:	221789-012	Batch#:	165939
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	90	78-122
1,2-Dichloroethane-d4	100	68-152
Toluene-d8	110	80-120
Bromofluorobenzene	117	76-132

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6@13FT	Diln Fac:	0.9921
Lab ID:	221789-013	Batch#:	166016
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
Freon 12	ND	9.9
tert-Butyl Alcohol (TBA)	ND	99
Chloromethane	ND	9.9
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	9.9
Bromomethane	ND	9.9
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	9.9
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	990
Acetone	25	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	9.9
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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	9.9
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	9.9
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6@13FT	Diln Fac:	0.9921
Lab ID:	221789-013	Batch#:	166016
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
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	95	78-122
1,2-Dichloroethane-d4	102	68-152
Toluene-d8	98	80-120
Bromofluorobenzene	98	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@11.5FT	Diln Fac:	50.00
Lab ID:	221789-014	Batch#:	166016
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
Freon 12	ND	500
tert-Butyl Alcohol (TBA)	ND	5,000
Chloromethane	ND	500
Isopropyl Ether (DIPE)	ND	250
Vinyl Chloride	ND	500
Bromomethane	ND	500
Ethyl tert-Butyl Ether (ETBE)	ND	250
Chloroethane	ND	500
Methyl tert-Amyl Ether (TAME)	ND	250
Trichlorofluoromethane	ND	250
Ethanol	ND	50,000
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@11.5FT	Diln Fac:	50.00
Lab ID:	221789-014	Batch#:	166016
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
Propylbenzene	ND	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	ND	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	96	78-122
1,2-Dichloroethane-d4	106	68-152
Toluene-d8	91	80-120
Bromofluorobenzene	107	76-132
Trifluorotoluene (MeOH)	125	60-150

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@8FT	Diln Fac:	250.0
Lab ID:	221789-015	Batch#:	166062
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/18/10

Analyte	Result	RL
Freon 12	ND	2,500
tert-Butyl Alcohol (TBA)	ND	25,000
Chloromethane	ND	2,500
Isopropyl Ether (DIPE)	ND	1,300
Vinyl Chloride	ND	2,500
Bromomethane	ND	2,500
Ethyl tert-Butyl Ether (ETBE)	ND	1,300
Chloroethane	ND	2,500
Methyl tert-Amyl Ether (TAME)	ND	1,300
Trichlorofluoromethane	ND	1,300
Ethanol	ND	250,000
Acetone	ND	5,000
Freon 113	ND	1,300
1,1-Dichloroethene	ND	1,300
Methylene Chloride	ND	5,000
Carbon Disulfide	ND	1,300
MTBE	ND	1,300
trans-1,2-Dichloroethene	ND	1,300
Vinyl Acetate	ND	13,000
1,1-Dichloroethane	ND	1,300
2-Butanone	ND	2,500
cis-1,2-Dichloroethene	ND	1,300
2,2-Dichloropropane	ND	1,300
Chloroform	ND	1,300
Bromochloromethane	ND	1,300
1,1,1-Trichloroethane	ND	1,300
1,1-Dichloropropene	ND	1,300
Carbon Tetrachloride	ND	1,300
1,2-Dichloroethane	ND	1,300
Benzene	ND	1,300
Trichloroethene	ND	1,300
1,2-Dichloropropane	ND	1,300
Bromodichloromethane	ND	1,300
Dibromomethane	ND	1,300
4-Methyl-2-Pentanone	ND	2,500
cis-1,3-Dichloropropene	ND	1,300
Toluene	ND	1,300
trans-1,3-Dichloropropene	ND	1,300
1,1,2-Trichloroethane	ND	1,300
2-Hexanone	ND	2,500
1,3-Dichloropropane	ND	1,300
Tetrachloroethene	ND	1,300
Dibromochloromethane	ND	1,300
1,2-Dibromoethane	ND	1,300
Chlorobenzene	ND	1,300
1,1,1,2-Tetrachloroethane	ND	1,300
Ethylbenzene	ND	1,300
m,p-Xylenes	ND	1,300
o-Xylene	ND	1,300
Styrene	ND	1,300
Bromoform	ND	1,300
Isopropylbenzene	ND	1,300
1,1,2,2-Tetrachloroethane	ND	1,300

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@8FT	Diln Fac:	250.0
Lab ID:	221789-015	Batch#:	166062
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/18/10

Analyte	Result	RL
1,2,3-Trichloropropane	ND	1,300
Propylbenzene	ND	1,300
Bromobenzene	ND	1,300
1,3,5-Trimethylbenzene	ND	1,300
2-Chlorotoluene	ND	1,300
4-Chlorotoluene	ND	1,300
tert-Butylbenzene	ND	1,300
1,2,4-Trimethylbenzene	ND	1,300
sec-Butylbenzene	ND	1,300
para-Isopropyl Toluene	ND	1,300
1,3-Dichlorobenzene	ND	1,300
1,4-Dichlorobenzene	ND	1,300
n-Butylbenzene	ND	1,300
1,2-Dichlorobenzene	ND	1,300
1,2-Dibromo-3-Chloropropane	ND	1,300
1,2,4-Trichlorobenzene	ND	1,300
Hexachlorobutadiene	ND	1,300
Naphthalene	ND	1,300
1,2,3-Trichlorobenzene	ND	1,300

Surrogate	%REC	Limits
Dibromofluoromethane	81	78-122
1,2-Dichloroethane-d4	86	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	150 *	76-132
Trifluorotoluene (MeOH)	92	60-150

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@19.5FT	Diln Fac:	0.9804
Lab ID:	221789-016	Batch#:	166016
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
Freon 12	ND	9.8
tert-Butyl Alcohol (TBA)	ND	98
Chloromethane	ND	9.8
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.8
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	980
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@19.5FT	Diln Fac:	0.9804
Lab ID:	221789-016	Batch#:	166016
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	89	78-122
1,2-Dichloroethane-d4	100	68-152
Toluene-d8	98	80-120
Bromofluorobenzene	95	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@26FT	Diln Fac:	0.9960
Lab ID:	221789-017	Batch#:	165939
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@26FT	Diln Fac:	0.9960
Lab ID:	221789-017	Batch#:	165939
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
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	93	78-122
1,2-Dichloroethane-d4	99	68-152
Toluene-d8	104	80-120
Bromofluorobenzene	123	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@13.5FT	Diln Fac:	50.00
Lab ID:	221789-018	Batch#:	166016
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
Freon 12	ND	500
tert-Butyl Alcohol (TBA)	ND	5,000
Chloromethane	ND	500
Isopropyl Ether (DIPE)	ND	250
Vinyl Chloride	ND	500
Bromomethane	ND	500
Ethyl tert-Butyl Ether (ETBE)	ND	250
Chloroethane	ND	500
Methyl tert-Amyl Ether (TAME)	ND	250
Trichlorofluoromethane	ND	250
Ethanol	ND	50,000
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-5@13.5FT	Diln Fac:	50.00
Lab ID:	221789-018	Batch#:	166016
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/17/10

Analyte	Result	RL
1,2,3-Trichloropropane	ND	250
Propylbenzene	ND	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	ND	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	85	78-122
1,2-Dichloroethane-d4	89	68-152
Toluene-d8	90	80-120
Bromofluorobenzene	152 *	76-132
Trifluorotoluene (MeOH)	127	60-150

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@13FT	Diln Fac:	0.9470
Lab ID:	221789-019	Batch#:	165911
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.5
tert-Butyl Alcohol (TBA)	ND	95
Chloromethane	ND	9.5
Isopropyl Ether (DIPE)	ND	4.7
Vinyl Chloride	ND	9.5
Bromomethane	ND	9.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Chloroethane	ND	9.5
Methyl tert-Amyl Ether (TAME)	ND	4.7
Trichlorofluoromethane	ND	4.7
Ethanol	ND	950
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.5
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.5
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.5
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@13FT	Diln Fac:	0.9470
Lab ID:	221789-019	Batch#:	165911
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	112	68-152
Toluene-d8	110	80-120
Bromofluorobenzene	113	76-132

ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@21FT	Diln Fac:	0.9728
Lab ID:	221789-020	Batch#:	165911
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.7
tert-Butyl Alcohol (TBA)	ND	97
Chloromethane	ND	9.7
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.7
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	970
Acetone	ND	19
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@21FT	Diln Fac:	0.9728
Lab ID:	221789-020	Batch#:	165911
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	115	68-152
Toluene-d8	109	80-120
Bromofluorobenzene	113	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@16FT	Diln Fac:	0.9363
Lab ID:	221789-021	Batch#:	165911
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.4
tert-Butyl Alcohol (TBA)	ND	94
Chloromethane	ND	9.4
Isopropyl Ether (DIPE)	ND	4.7
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Chloroethane	ND	9.4
Methyl tert-Amyl Ether (TAME)	ND	4.7
Trichlorofluoromethane	ND	4.7
Ethanol	ND	940
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@16FT	Diln Fac:	0.9363
Lab ID:	221789-021	Batch#:	165911
Matrix:	Soil	Sampled:	08/09/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	88	78-122
1,2-Dichloroethane-d4	111	68-152
Toluene-d8	108	80-120
Bromofluorobenzene	120	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-7@13FT	Diln Fac:	0.9615
Lab ID:	221789-022	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.6
tert-Butyl Alcohol (TBA)	ND	96
Chloromethane	ND	9.6
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.6
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
Ethanol	ND	960
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-7@13FT	Diln Fac:	0.9615
Lab ID:	221789-022	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	107	68-152
Toluene-d8	107	80-120
Bromofluorobenzene	115	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-8@13FT	Diln Fac:	0.9653
Lab ID:	221789-023	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.7
tert-Butyl Alcohol (TBA)	ND	97
Chloromethane	ND	9.7
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.7
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
Ethanol	ND	970
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-8@13FT	Diln Fac:	0.9653
Lab ID:	221789-023	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	108	68-152
Toluene-d8	105	80-120
Bromofluorobenzene	115	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-7@16FT	Diln Fac:	0.9747
Lab ID:	221789-024	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.7
tert-Butyl Alcohol (TBA)	ND	97
Chloromethane	ND	9.7
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.7
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	970
Acetone	ND	19
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-7@16FT	Diln Fac:	0.9747
Lab ID:	221789-024	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	86	78-122
1,2-Dichloroethane-d4	112	68-152
Toluene-d8	113	80-120
Bromofluorobenzene	111	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-8@16FT	Diln Fac:	0.9259
Lab ID:	221789-025	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.3
tert-Butyl Alcohol (TBA)	ND	93
Chloromethane	ND	9.3
Isopropyl Ether (DIPE)	ND	4.6
Vinyl Chloride	ND	9.3
Bromomethane	ND	9.3
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
Chloroethane	ND	9.3
Methyl tert-Amyl Ether (TAME)	ND	4.6
Trichlorofluoromethane	ND	4.6
Ethanol	ND	930
Acetone	ND	19
Freon 113	ND	4.6
1,1-Dichloroethene	ND	4.6
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.6
MTBE	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
Vinyl Acetate	ND	46
1,1-Dichloroethane	ND	4.6
2-Butanone	ND	9.3
cis-1,2-Dichloroethene	ND	4.6
2,2-Dichloropropane	ND	4.6
Chloroform	ND	4.6
Bromochloromethane	ND	4.6
1,1,1-Trichloroethane	ND	4.6
1,1-Dichloropropene	ND	4.6
Carbon Tetrachloride	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Trichloroethene	ND	4.6
1,2-Dichloropropane	ND	4.6
Bromodichloromethane	ND	4.6
Dibromomethane	ND	4.6
4-Methyl-2-Pentanone	ND	9.3
cis-1,3-Dichloropropene	ND	4.6
Toluene	ND	4.6
trans-1,3-Dichloropropene	ND	4.6
1,1,2-Trichloroethane	ND	4.6
2-Hexanone	ND	9.3
1,3-Dichloropropane	ND	4.6
Tetrachloroethene	ND	4.6
Dibromochloromethane	ND	4.6
1,2-Dibromoethane	ND	4.6
Chlorobenzene	ND	4.6
1,1,1,2-Tetrachloroethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6
Styrene	ND	4.6
Bromoform	ND	4.6
Isopropylbenzene	ND	4.6
1,1,2,2-Tetrachloroethane	ND	4.6
1,2,3-Trichloropropane	ND	4.6

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-8@16FT	Diln Fac:	0.9259
Lab ID:	221789-025	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Propylbenzene	ND	4.6
Bromobenzene	ND	4.6
1,3,5-Trimethylbenzene	ND	4.6
2-Chlorotoluene	ND	4.6
4-Chlorotoluene	ND	4.6
tert-Butylbenzene	ND	4.6
1,2,4-Trimethylbenzene	ND	4.6
sec-Butylbenzene	ND	4.6
para-Isopropyl Toluene	ND	4.6
1,3-Dichlorobenzene	ND	4.6
1,4-Dichlorobenzene	ND	4.6
n-Butylbenzene	ND	4.6
1,2-Dichlorobenzene	ND	4.6
1,2-Dibromo-3-Chloropropane	ND	4.6
1,2,4-Trichlorobenzene	ND	4.6
Hexachlorobutadiene	ND	4.6
Naphthalene	ND	4.6
1,2,3-Trichlorobenzene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	90	78-122
1,2-Dichloroethane-d4	111	68-152
Toluene-d8	106	80-120
Bromofluorobenzene	120	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4@14FT	Diln Fac:	0.9804
Lab ID:	221789-026	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
Freon 12	ND	9.8
tert-Butyl Alcohol (TBA)	ND	98
Chloromethane	ND	9.8
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.8
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	980
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4@14FT	Diln Fac:	0.9804
Lab ID:	221789-026	Batch#:	165911
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/13/10

Analyte	Result	RL
1,2,3-Trichloropropane	ND	4.9
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-122
1,2-Dichloroethane-d4	115	68-152
Toluene-d8	88	80-120
Bromofluorobenzene	135 *	76-132

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4@12FT	Diln Fac:	0.9728
Lab ID:	221789-027	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	9.7
tert-Butyl Alcohol (TBA)	ND	97
Chloromethane	ND	9.7
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.7
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	970
Acetone	ND	19
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4@12FT	Diln Fac:	0.9728
Lab ID:	221789-027	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	82	78-122
1,2-Dichloroethane-d4	87	68-152
Toluene-d8	94	80-120
Bromofluorobenzene	92	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4@16FT	Diln Fac:	0.9747
Lab ID:	221789-028	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	9.7
tert-Butyl Alcohol (TBA)	ND	97
Chloromethane	ND	9.7
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.7
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	970
Acetone	47	19
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-4@16FT	Diln Fac:	0.9747
Lab ID:	221789-028	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	81	78-122
1,2-Dichloroethane-d4	84	68-152
Toluene-d8	93	80-120
Bromofluorobenzene	96	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6@19FT	Diln Fac:	0.9921
Lab ID:	221789-029	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
Freon 12	ND	9.9
tert-Butyl Alcohol (TBA)	ND	99
Chloromethane	ND	9.9
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	9.9
Bromomethane	ND	9.9
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	9.9
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	990
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	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	9.9
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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	9.9
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	9.9
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-6@19FT	Diln Fac:	0.9921
Lab ID:	221789-029	Batch#:	165969
Matrix:	Soil	Sampled:	08/10/10
Units:	ug/Kg	Received:	08/11/10
Basis:	as received	Analyzed:	08/16/10

Analyte	Result	RL
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	81	78-122
1,2-Dichloroethane-d4	85	68-152
Toluene-d8	91	80-120
Bromofluorobenzene	90	76-132

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556079	Batch#:	165911
Matrix:	Soil	Analyzed:	08/13/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556079	Batch#:	165911
Matrix:	Soil	Analyzed:	08/13/10
Units:	ug/Kg		

Analyte	Result	RL
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	87	78-122
1,2-Dichloroethane-d4	107	68-152
Toluene-d8	105	80-120
Bromofluorobenzene	116	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556080	Batch#:	165911
Matrix:	Soil	Analyzed:	08/13/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	142.0	114	55-139
Isopropyl Ether (DIPE)	25.00	24.06	96	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.67	95	66-126
Methyl tert-Amyl Ether (TAME)	25.00	22.38	90	74-120
1,1-Dichloroethene	25.00	22.71	91	72-134
Benzene	25.00	23.06	92	80-125
Trichloroethene	25.00	20.39	82	79-128
Toluene	25.00	23.23	93	80-128
Chlorobenzene	25.00	24.18	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-122
1,2-Dichloroethane-d4	114	68-152
Toluene-d8	106	80-120
Bromofluorobenzene	106	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@21FT	Batch#:	165911
MSS Lab ID:	221789-020	Sampled:	08/09/10
Matrix:	Soil	Received:	08/11/10
Units:	ug/Kg	Analyzed:	08/16/10
Basis:	as received		

Type: MS
Lab ID: QC556081

Diln Fac: 0.9940

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.17	248.5	284.0	114	44-140
Isopropyl Ether (DIPE)	<1.251	49.70	58.61	118	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.9428	49.70	57.52	116	60-123
Methyl tert-Amyl Ether (TAME)	<0.6141	49.70	44.58	90	65-120
1,1-Dichloroethene	<0.5773	49.70	46.12	93	69-141
Benzene	<0.9405	49.70	43.77	88	71-125
Trichloroethene	<1.097	49.70	36.89	74	65-144
Toluene	<1.269	49.70	41.13	83	64-128
Chlorobenzene	<0.2834	49.70	43.34	87	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	118	78-122
1,2-Dichloroethane-d4	118	68-152
Toluene-d8	103	80-120
Bromofluorobenzene	113	76-132

Type: MSD
Lab ID: QC556082

Diln Fac: 0.9823

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.6	219.7	89	44-140	24	47
Isopropyl Ether (DIPE)	49.12	54.13	110	56-125	7	24
Ethyl tert-Butyl Ether (ETBE)	49.12	50.44	103	60-123	12	25
Methyl tert-Amyl Ether (TAME)	49.12	40.45	82	65-120	9	24
1,1-Dichloroethene	49.12	51.19	104	69-141	12	35
Benzene	49.12	49.13	100	71-125	13	33
Trichloroethene	49.12	42.63	87	65-144	16	31
Toluene	49.12	49.84	101	64-128	20	34
Chlorobenzene	49.12	50.63	103	57-126	17	36

Surrogate	%REC	Limits
Dibromofluoromethane	110	78-122
1,2-Dichloroethane-d4	111	68-152
Toluene-d8	109	80-120
Bromofluorobenzene	105	76-132

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556184	Batch#:	165939
Matrix:	Soil	Analyzed:	08/16/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556184	Batch#:	165939
Matrix:	Soil	Analyzed:	08/16/10
Units:	ug/Kg		

Analyte	Result	RL
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	90	78-122
1,2-Dichloroethane-d4	93	68-152
Toluene-d8	108	80-120
Bromofluorobenzene	125	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556185	Batch#:	165939
Matrix:	Soil	Analyzed:	08/16/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	123.0	98	55-139
Isopropyl Ether (DIPE)	25.00	28.24	113	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.77	95	66-126
Methyl tert-Amyl Ether (TAME)	25.00	24.01	96	74-120
1,1-Dichloroethene	25.00	21.05	84	72-134
Benzene	25.00	25.34	101	80-125
Trichloroethene	25.00	22.01	88	79-128
Toluene	25.00	25.88	104	80-128
Chlorobenzene	25.00	23.86	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	78-122
1,2-Dichloroethane-d4	105	68-152
Toluene-d8	108	80-120
Bromofluorobenzene	104	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	DP-3@26FT	Batch#:	165939
MSS Lab ID:	221789-017	Sampled:	08/09/10
Matrix:	Soil	Received:	08/11/10
Units:	ug/Kg	Analyzed:	08/16/10
Basis:	as received		

Type: MS
Lab ID: QC556186

Diln Fac: 0.9843

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.53	246.1	186.0	76	44-140
Isopropyl Ether (DIPE)	<1.281	49.21	41.29	84	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.9653	49.21	39.32	80	60-123
Methyl tert-Amyl Ether (TAME)	<0.6288	49.21	37.12	75	65-120
1,1-Dichloroethene	<0.5911	49.21	45.51	92	69-141
Benzene	<0.9630	49.21	44.56	91	71-125
Trichloroethene	<1.124	49.21	40.58	82	65-144
Toluene	<1.299	49.21	42.60	87	64-128
Chlorobenzene	<0.2902	49.21	44.32	90	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-122
1,2-Dichloroethane-d4	101	68-152
Toluene-d8	100	80-120
Bromofluorobenzene	103	76-132

Type: MSD
Lab ID: QC556187

Diln Fac: 0.9862

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	246.5	220.3	89	44-140	17	47
Isopropyl Ether (DIPE)	49.31	44.43	90	56-125	7	24
Ethyl tert-Butyl Ether (ETBE)	49.31	43.20	88	60-123	9	25
Methyl tert-Amyl Ether (TAME)	49.31	41.01	83	65-120	10	24
1,1-Dichloroethene	49.31	46.27	94	69-141	1	35
Benzene	49.31	45.54	92	71-125	2	33
Trichloroethene	49.31	40.33	82	65-144	1	31
Toluene	49.31	41.48	84	64-128	3	34
Chlorobenzene	49.31	42.89	87	57-126	3	36

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-122
1,2-Dichloroethane-d4	99	68-152
Toluene-d8	100	80-120
Bromofluorobenzene	104	76-132

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556304	Batch#:	165969
Matrix:	Soil	Analyzed:	08/16/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556304	Batch#:	165969
Matrix:	Soil	Analyzed:	08/16/10
Units:	ug/Kg		

Analyte	Result	RL
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	93	78-122
1,2-Dichloroethane-d4	99	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	98	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556305	Batch#:	165969
Matrix:	Soil	Analyzed:	08/16/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	117.3	94	55-139
Isopropyl Ether (DIPE)	25.00	21.22	85	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	22.08	88	66-126
Methyl tert-Amyl Ether (TAME)	25.00	23.06	92	74-120
1,1-Dichloroethene	25.00	19.59	78	72-134
Benzene	25.00	24.95	100	80-125
Trichloroethene	25.00	24.49	98	79-128
Toluene	25.00	27.03	108	80-128
Chlorobenzene	25.00	26.46	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	91	78-122
1,2-Dichloroethane-d4	90	68-152
Toluene-d8	98	80-120
Bromofluorobenzene	98	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	165969
MSS Lab ID:	221822-002	Sampled:	08/12/10
Matrix:	Soil	Received:	08/12/10
Units:	ug/Kg	Analyzed:	08/16/10
Basis:	as received		

Type: MS Diln Fac: 1.006
 Lab ID: QC556371

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<18.49	251.5	227.5	90	44-140
Isopropyl Ether (DIPE)	<1.499	50.30	40.40	80	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.5956	50.30	43.95	87	60-123
Methyl tert-Amyl Ether (TAME)	<0.5975	50.30	45.99	91	65-120
1,1-Dichloroethene	<1.314	50.30	51.23	102	69-141
Benzene	<0.7127	50.30	46.46	92	71-125
Trichloroethene	<0.7694	50.30	47.64	95	65-144
Toluene	<0.4796	50.30	48.12	96	64-128
Chlorobenzene	<0.3625	50.30	48.52	96	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	90	78-122
1,2-Dichloroethane-d4	86	68-152
Toluene-d8	92	80-120
Bromofluorobenzene	90	76-132

Type: MSD Diln Fac: 0.9823
 Lab ID: QC556372

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.6	229.9	94	44-140	3	47
Isopropyl Ether (DIPE)	49.12	37.87	77	56-125	4	24
Ethyl tert-Butyl Ether (ETBE)	49.12	41.75	85	60-123	3	25
Methyl tert-Amyl Ether (TAME)	49.12	45.33	92	65-120	1	24
1,1-Dichloroethene	49.12	50.12	102	69-141	0	35
Benzene	49.12	47.34	96	71-125	4	33
Trichloroethene	49.12	46.66	95	65-144	0	31
Toluene	49.12	47.37	96	64-128	1	34
Chlorobenzene	49.12	46.80	95	57-126	1	36

Surrogate	%REC	Limits
Dibromofluoromethane	89	78-122
1,2-Dichloroethane-d4	89	68-152
Toluene-d8	96	80-120
Bromofluorobenzene	91	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556491	Batch#:	166016
Matrix:	Soil	Analyzed:	08/17/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556491	Batch#:	166016
Matrix:	Soil	Analyzed:	08/17/10
Units:	ug/Kg		

Analyte	Result	RL
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	91	78-122
1,2-Dichloroethane-d4	93	68-152
Toluene-d8	96	80-120
Bromofluorobenzene	96	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556492	Batch#:	166016
Matrix:	Soil	Analyzed:	08/17/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	121.4	97	55-139
Isopropyl Ether (DIPE)	25.00	21.27	85	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	22.30	89	66-126
Methyl tert-Amyl Ether (TAME)	25.00	23.57	94	74-120
1,1-Dichloroethene	25.00	25.97	104	72-134
Benzene	25.00	26.70	107	80-125
Trichloroethene	25.00	26.06	104	79-128
Toluene	25.00	26.85	107	80-128
Chlorobenzene	25.00	28.22	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	78-122
1,2-Dichloroethane-d4	91	68-152
Toluene-d8	93	80-120
Bromofluorobenzene	91	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	166016
MSS Lab ID:	221857-003	Sampled:	08/12/10
Matrix:	Soil	Received:	08/13/10
Units:	ug/Kg	Analyzed:	08/18/10
Basis:	as received		

Type: MS Diln Fac: 0.9506
 Lab ID: QC556522

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<17.76	237.6	247.0	104	44-140
Isopropyl Ether (DIPE)	<1.440	47.53	39.17	82	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.5721	47.53	43.20	91	60-123
Methyl tert-Amyl Ether (TAME)	<0.5739	47.53	48.94	103	65-120
1,1-Dichloroethene	<1.262	47.53	43.30	91	69-141
Benzene	<0.6846	47.53	46.16	97	71-125
Trichloroethene	<0.7391	47.53	47.46	100	65-144
Toluene	<0.4607	47.53	52.27	110	64-128
Chlorobenzene	<0.3482	47.53	51.67	109	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-122
1,2-Dichloroethane-d4	93	68-152
Toluene-d8	97	80-120
Bromofluorobenzene	92	76-132

Type: MSD Diln Fac: 0.9881
 Lab ID: QC556523

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	247.0	254.4	103	44-140	1	47
Isopropyl Ether (DIPE)	49.41	41.67	84	56-125	2	24
Ethyl tert-Butyl Ether (ETBE)	49.41	48.07	97	60-123	7	25
Methyl tert-Amyl Ether (TAME)	49.41	50.69	103	65-120	0	24
1,1-Dichloroethene	49.41	45.08	91	69-141	0	35
Benzene	49.41	44.31	90	71-125	8	33
Trichloroethene	49.41	46.75	95	65-144	5	31
Toluene	49.41	49.86	101	64-128	9	34
Chlorobenzene	49.41	49.55	100	57-126	8	36

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-122
1,2-Dichloroethane-d4	94	68-152
Toluene-d8	96	80-120
Bromofluorobenzene	97	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556696	Batch#:	166062
Matrix:	Soil	Analyzed:	08/18/10
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
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	5.0
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	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
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
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC556696	Batch#:	166062
Matrix:	Soil	Analyzed:	08/18/10
Units:	ug/Kg		

Analyte	Result	RL
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	84	78-122
1,2-Dichloroethane-d4	92	68-152
Toluene-d8	109	80-120
Bromofluorobenzene	125	76-132

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC556697	Batch#:	166062
Matrix:	Soil	Analyzed:	08/18/10
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	120.5	96	55-139
Isopropyl Ether (DIPE)	25.00	25.78	103	60-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.86	95	66-126
Methyl tert-Amyl Ether (TAME)	25.00	20.89	84	74-120
1,1-Dichloroethene	25.00	20.86	83	72-134
Benzene	25.00	22.68	91	80-125
Trichloroethene	25.00	21.31	85	79-128
Toluene	25.00	26.12	104	80-128
Chlorobenzene	25.00	24.49	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	78-122
1,2-Dichloroethane-d4	93	68-152
Toluene-d8	112	80-120
Bromofluorobenzene	115	76-132

Batch QC Report

Volatile Organics			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2722	Analysis:	EPA 8260B
Field ID:	LDP-3@16FT	Batch#:	166062
MSS Lab ID:	221838-010	Sampled:	08/12/10
Matrix:	Soil	Received:	08/12/10
Units:	ug/Kg	Analyzed:	08/18/10
Basis:	as received		

Type: MS Diln Fac: 0.9671
 Lab ID: QC556751

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.02	241.8	217.7	90	44-140
Isopropyl Ether (DIPE)	<1.239	48.36	41.63	86	56-125
Ethyl tert-Butyl Ether (ETBE)	<0.9337	48.36	42.65	88	60-123
Methyl tert-Amyl Ether (TAME)	<0.6082	48.36	39.89	82	65-120
1,1-Dichloroethene	<0.5717	48.36	37.00	77	69-141
Benzene	<0.9314	48.36	39.43	82	71-125
Trichloroethene	<1.087	48.36	36.00	74	65-144
Toluene	<1.257	48.36	41.96	87	64-128
Chlorobenzene	<0.2807	48.36	45.91	95	57-126

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-122
1,2-Dichloroethane-d4	94	68-152
Toluene-d8	106	80-120
Bromofluorobenzene	105	76-132

Type: MSD Diln Fac: 0.9615
 Lab ID: QC556752

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	240.4	197.1	82	44-140	9	47
Isopropyl Ether (DIPE)	48.08	41.38	86	56-125	0	24
Ethyl tert-Butyl Ether (ETBE)	48.08	40.45	84	60-123	5	25
Methyl tert-Amyl Ether (TAME)	48.08	38.56	80	65-120	3	24
1,1-Dichloroethene	48.08	36.25	75	69-141	1	35
Benzene	48.08	37.83	79	71-125	4	33
Trichloroethene	48.08	34.44	72	65-144	4	31
Toluene	48.08	40.05	83	64-128	4	34
Chlorobenzene	48.08	44.44	92	57-126	3	36

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-122
1,2-Dichloroethane-d4	91	68-152
Toluene-d8	103	80-120
Bromofluorobenzene	110	76-132

RPD= Relative Percent Difference

Lead			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Received:	08/11/10
Units:	mg/Kg	Prepared:	08/12/10
Basis:	as received		

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled	Analyzed
DP-1@10FT	SAMPLE	221789-008	5.4	0.25	165880	08/10/10	08/17/10
DP-1@12FT	SAMPLE	221789-009	6.6	0.25	165880	08/10/10	08/17/10
DP-1@20FT	SAMPLE	221789-010	13	0.25	165880	08/10/10	08/17/10
DP-1@16FT	SAMPLE	221789-011	4.3	0.25	165880	08/10/10	08/17/10
DP-6@16FT	SAMPLE	221789-012	3.5	0.25	165880	08/10/10	08/17/10
DP-6@13FT	SAMPLE	221789-013	8.2	0.25	165880	08/10/10	08/17/10
DP-5@11.5FT	SAMPLE	221789-014	6.4	0.25	165880	08/09/10	08/18/10
DP-5@8FT	SAMPLE	221789-015	7.2	0.25	165880	08/09/10	08/18/10
DP-5@19.5FT	SAMPLE	221789-016	3.2	0.25	165880	08/09/10	08/18/10
DP-3@26FT	SAMPLE	221789-017	3.9	0.25	165880	08/09/10	08/18/10
DP-5@13.5FT	SAMPLE	221789-018	3.5	0.25	165880	08/09/10	08/18/10
DP-3@13FT	SAMPLE	221789-019	8.0	0.25	165880	08/09/10	08/18/10
DP-3@21FT	SAMPLE	221789-020	4.5	0.25	165880	08/09/10	08/18/10
DP-3@16FT	SAMPLE	221789-021	1.9	0.25	165880	08/09/10	08/18/10
DP-7@13FT	SAMPLE	221789-022	2.4	0.25	165880	08/10/10	08/18/10
DP-8@13FT	SAMPLE	221789-023	5.0	0.25	165880	08/10/10	08/18/10
DP-7@16FT	SAMPLE	221789-024	13	0.25	165880	08/10/10	08/18/10
DP-8@16FT	SAMPLE	221789-025	6.8	0.25	165880	08/10/10	08/18/10
DP-4@14FT	SAMPLE	221789-026	3.8	0.25	165880	08/10/10	08/18/10
DP-4@12FT	SAMPLE	221789-027	5.7	0.25	165880	08/10/10	08/18/10
DP-4@16FT	SAMPLE	221789-028	2.8	0.25	165882	08/10/10	08/17/10
DP-6@19FT	SAMPLE	221789-029	14	0.25	165882	08/10/10	08/17/10
	BLANK	QC555932	ND	0.25	165880		08/17/10
	BLANK	QC555942	ND	0.25	165882		08/17/10

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Lead			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	08/10/10
Matrix:	Soil	Received:	08/11/10
Units:	mg/Kg	Prepared:	08/12/10
Basis:	as received	Analyzed:	08/17/10
Diln Fac:	1.000		

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#
	BS		QC555933		100.0	91.09	91	80-120			165880
	BSD		QC555934		100.0	95.20	95	80-120	4	25	165880
DP-1@10FT	MS	221789-008	QC555935	5.367	88.50	83.56	88	51-125			165880
DP-1@10FT	MSD	221789-008	QC555936		97.09	93.06	90	51-125	2	52	165880
	BS		QC555943		100.0	94.11	94	80-120			165882
	BSD		QC555944		100.0	94.02	94	80-120	0	25	165882
DP-4@16FT	MS	221789-028	QC555945	2.835	100.0	91.19	88	51-125			165882
DP-4@16FT	MSD	221789-028	QC555946		90.91	76.12	81	51-125	9	52	165882

RPD= Relative Percent Difference

Dissolved Lead			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	166000
Matrix:	Filtrate	Received:	08/11/10
Units:	ug/L	Prepared:	08/16/10
Diln Fac:	1.000	Analyzed:	08/17/10

Field ID	Type	Lab ID	Result	RL	Sampled
DP-1	SAMPLE	221789-001	ND	5.0	08/10/10
DP-3	SAMPLE	221789-002	12	5.0	08/09/10
DP-4	SAMPLE	221789-003	ND	5.0	08/10/10
DP-5	SAMPLE	221789-004	ND	5.0	08/09/10
DP-6	SAMPLE	221789-005	7.6	5.0	08/10/10
DP-7	SAMPLE	221789-006	ND	5.0	08/10/10
DP-8	SAMPLE	221789-007	ND	5.0	08/10/10
	BLANK	QC556426	ND	5.0	

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Dissolved Lead			
Lab #:	221789	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2722	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	166000
Field ID:	DP-1	Sampled:	08/10/10
MSS Lab ID:	221789-001	Received:	08/11/10
Matrix:	Filtrate	Prepared:	08/16/10
Units:	ug/L	Analyzed:	08/17/10
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC556427		100.0	90.80	91	79-120		
BSD	QC556428		100.0	97.44	97	79-120	7	20
MS	QC556429	<1.000	100.0	82.93	83	66-120		
MSD	QC556430		100.0	84.44	84	66-120	2	25

RPD= Relative Percent Difference



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 221741
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2721
Location : 316 38th St., Oakland
Level : II

Sample ID

GW-5
LFR-4

Lab ID

221741-001
221741-002

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Project Manager

Date: 08/13/2010

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 221741
Client: SOMA Environmental Engineering Inc.
Project: 2721
Location: 316 38th St., Oakland
Request Date: 08/06/10
Samples Received: 08/06/10

This data package contains sample and QC results for two water samples, requested for the above referenced project on 08/06/10. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.

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

Analyses

C&T LOGIN # 221741

Sampler: Lizzie Hightower/ Erica GSK

Project No: 2721

Report To: Joyce Bobek

Project Name: 316 38th St., Oakland

Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative													
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE										
1	GW-5	8-5-10 12:15		*		2-40ml VOAs	*			*										
				*		2-40ml VOAs	*			*										
				*		2-500 mL Ambers				*										
				*		1-250 mL Poly				*	*									
2	LFR-4	8-5-10 11:58		*		3-40ml VOAs	*			*										
				*		3-40ml VOAs	*			*										
				*		2-500 mL Ambers				*										
				*		1-250 mL Poly				*	*									

TPHg (including Stoddard Solvent) 8015	8260 (Full List) with gas ox	TPH-d, Kerosene, method 8015 with silica gel cleanup	Total Lead, method 6010																	
*	*	*	*																	

Notes:
 EDF Output required
 8260B List to include gasoline oxygenates & lead scavengers, BTEX, MtBE

RELINQUISHED BY:
Erica GSK 8/6/10 13:30
 DATE/TIME

RECEIVED BY:
[Signature] 8/6/10 13:30
 DATE/TIME

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 221741 Date Received 8/6/10 Number of coolers 1
 Client SOMX ENV. Project 316 38TH ST., OAKLAND

Date Opened 8/6/10 By (print) M. N. [Signature] (sign) [Signature]
 Date Logged in 8/9/10 By (print) [Signature] (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
 Shipping info _____

2A. Were custody seals present? ... YES (circle) on cooler on samples NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) _____ YES NO

6. Indicate the packing in cooler: (if other, describe) _____

- Bubble Wrap Foam blocks Bags None
- Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation:

Type of ice used: Wet Blue/Gel None Temp(°C) _____

Samples Received on ice & cold without a temperature blank

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
 If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are samples in the appropriate containers for indicated tests? _____ YES NO

11. Are sample labels present, in good condition and complete? _____ YES NO

12. Do the sample labels agree with custody papers? _____ YES NO

13. Was sufficient amount of sample sent for tests requested? _____ YES NO

14. Are the samples appropriately preserved? _____ YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

16. Was the client contacted concerning this sample delivery? _____ YES NO
 If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	165773
Units:	ug/L	Analyzed:	08/10/10
Diln Fac:	1.000		

Type: BS Lab ID: QC555494

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,004	100	73-127

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	70-140

Type: BSD Lab ID: QC555495

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,043	104	73-127	4	27

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	95	70-140

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	165821
Units:	ug/L	Analyzed:	08/11/10
Diln Fac:	1.000		

Type: BS Lab ID: QC555680

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,008	101	73-127

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	70-140

Type: BSD Lab ID: QC555681

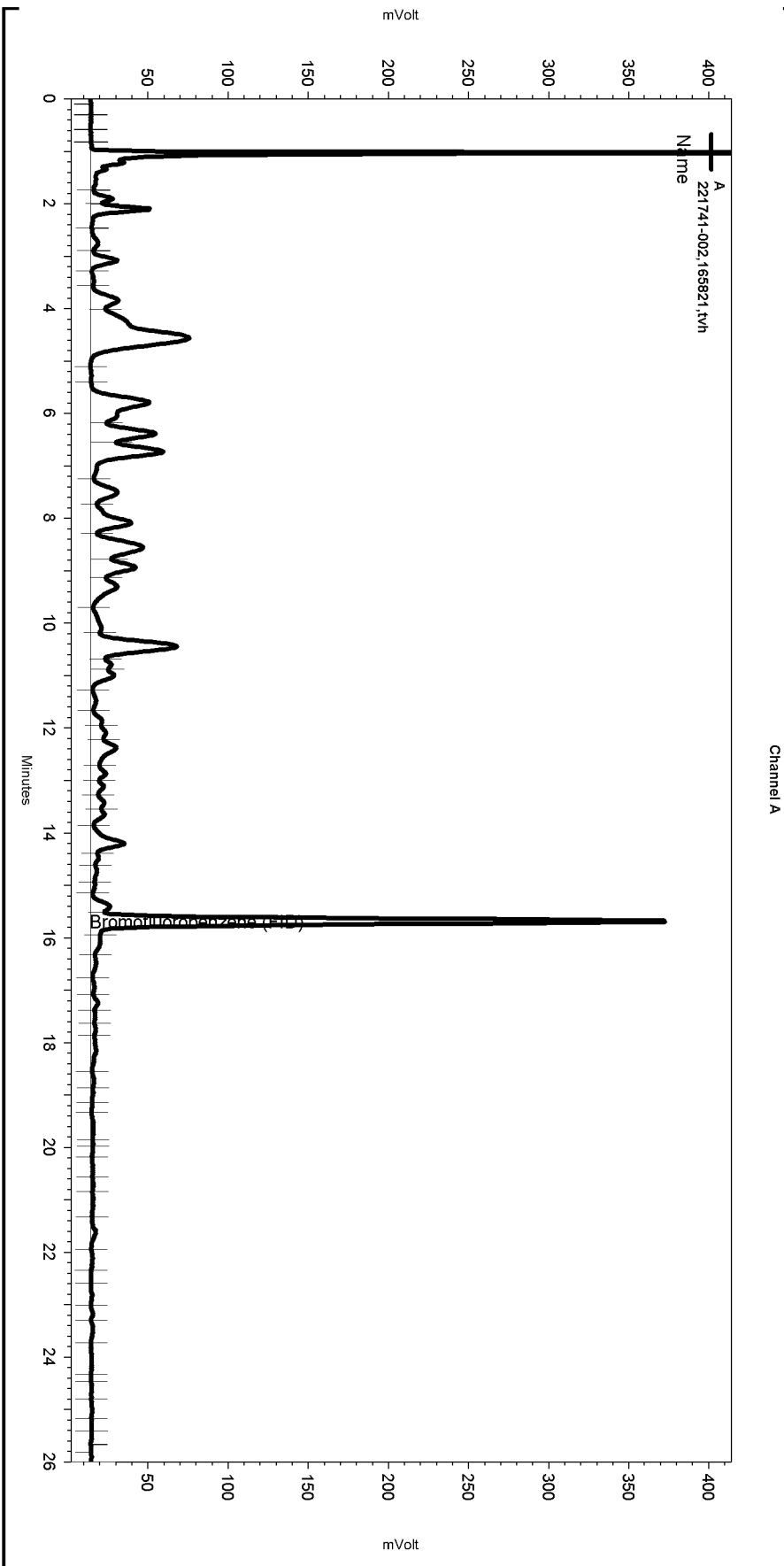
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,002	100	73-127	1	27

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	70-140

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\223.seq
 Sample Name: 221741-002,165821,tvh
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\223-024
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\TVH2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\TVHBTX209.met

Software Version 3.1.7
 Run Date: 8/12/2010 7:43:28 AM
 Analysis Date: 8/12/2010 2:30:38 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: d1.0



 << General Method Parameters >>-----

No items selected for this section

 << A >>-----

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

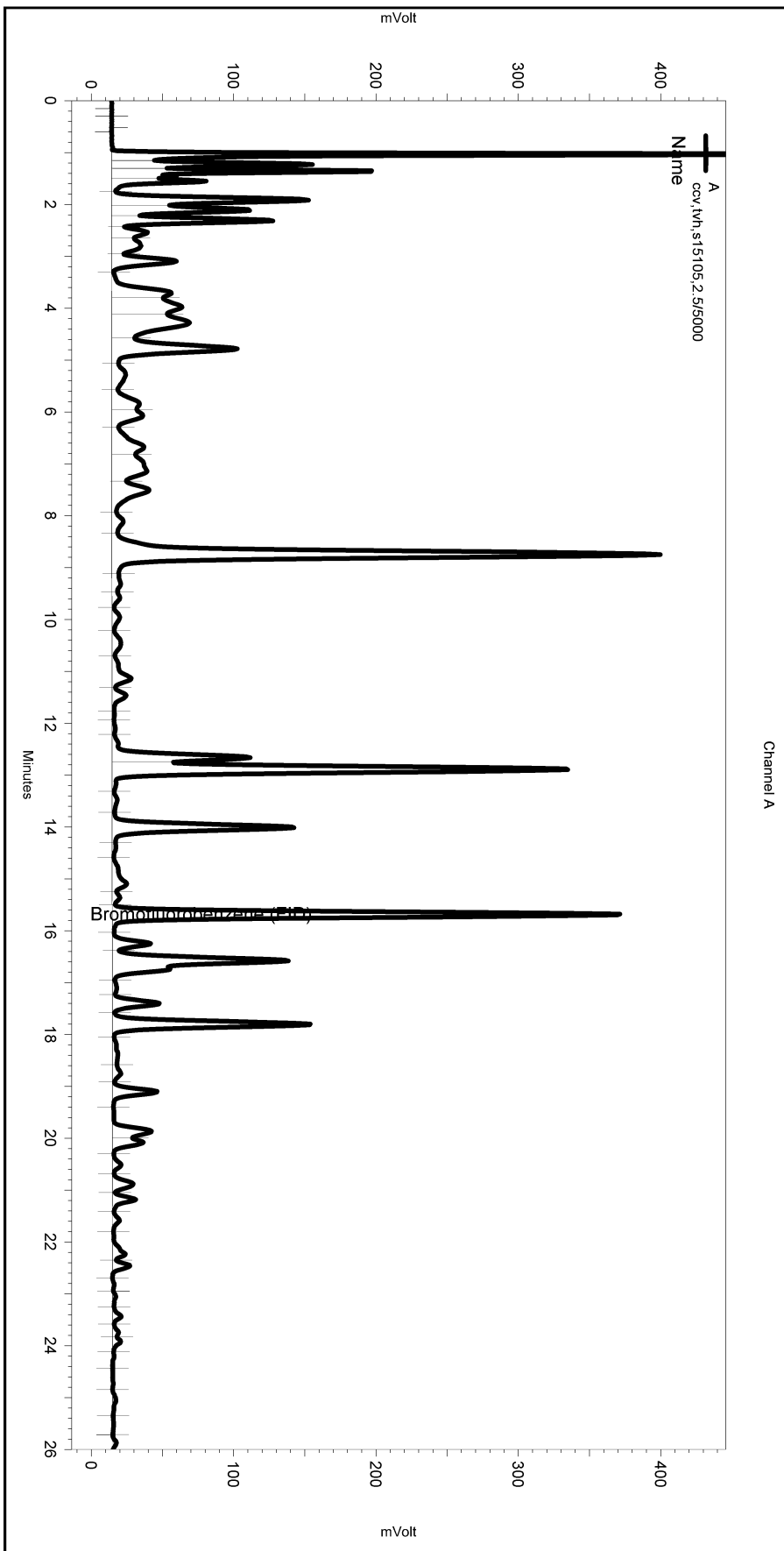
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\223-024

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	15.952	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence222.seq
 Sample Name: ccv,tvh,s15105,2.5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\222-003
 Instrument: GC05 Vial: N/A Operator: lms2k3\tvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
 Run Date: 8/10/2010 1:46:36 PM
 Analysis Date: 8/10/2010 2:15:20 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



 ---< General Method Parameters >-----

No items selected for this section

 ---< A >-----

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

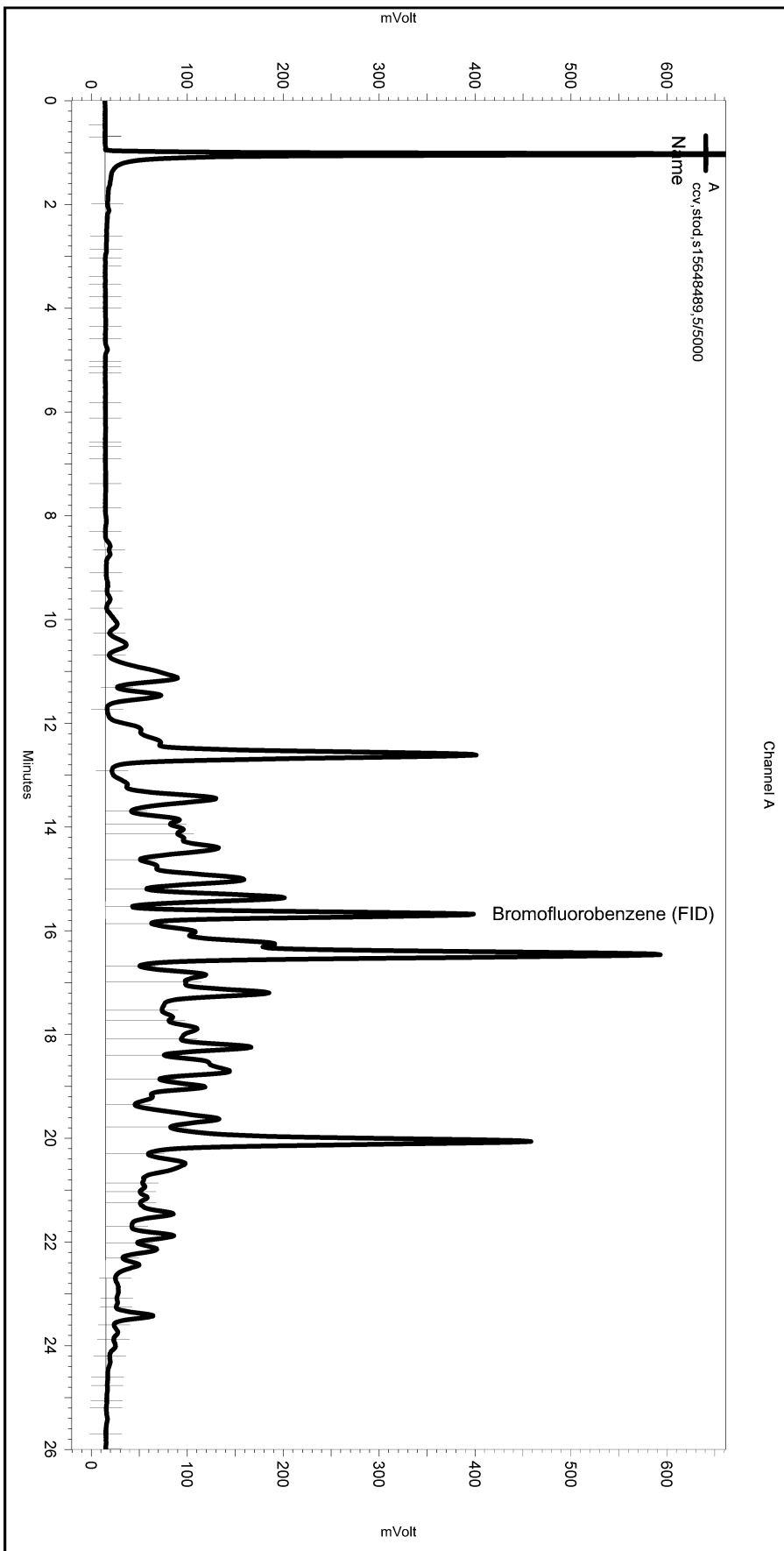
Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application
 Data\ChromatographySystem\Recovery
 Data\Instrument.10048\222-003_8DDF.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence1222.seq
 Sample Name: ccv,stod,s15648489,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data1222-013
 Instrument: GC05 Vial: N/A Operator: lims2k3\tvh3
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe209.met

Software Version 3.1.7
 Run Date: 8/10/2010 10:24:13 PM
 Analysis Date: 8/10/2010 10:52:57 PM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



 ---< General Method Parameters >-----

No items selected for this section

 ---< A >-----

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\222-013_8DE9.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Field ID:	GW-5	Batch#:	165786
Lab ID:	221741-001	Sampled:	08/05/10
Matrix:	Water	Received:	08/06/10
Units:	ug/L	Analyzed:	08/11/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Field ID:	GW-5	Batch#:	165786
Lab ID:	221741-001	Sampled:	08/05/10
Matrix:	Water	Received:	08/06/10
Units:	ug/L	Analyzed:	08/11/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	100	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	98	80-121

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Field ID:	LFR-4	Batch#:	165846
Lab ID:	221741-002	Sampled:	08/05/10
Matrix:	Water	Received:	08/06/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	0.8	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Field ID:	LFR-4	Batch#:	165846
Lab ID:	221741-002	Sampled:	08/05/10
Matrix:	Water	Received:	08/06/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	99	71-140
Toluene-d8	96	80-120
Bromofluorobenzene	107	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	165786
Units:	ug/L	Analyzed:	08/11/10
Diln Fac:	1.000		

Type: BS Lab ID: QC555542

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	105.6	85	45-152
Isopropyl Ether (DIPE)	25.00	19.98	80	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	19.29	77	60-124
Methyl tert-Amyl Ether (TAME)	25.00	19.31	77	66-120
1,1-Dichloroethene	25.00	22.35	89	72-138
Benzene	25.00	23.83	95	80-122
Trichloroethene	25.00	21.32	85	80-122
Toluene	25.00	24.35	97	80-120
Chlorobenzene	25.00	24.79	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	98	71-140
Toluene-d8	102	80-120
Bromofluorobenzene	93	80-121

Type: BSD Lab ID: QC555543

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	90.20	72	45-152	16	30
Isopropyl Ether (DIPE)	25.00	19.26	77	56-134	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	18.36	73	60-124	5	20
Methyl tert-Amyl Ether (TAME)	25.00	18.68	75	66-120	3	20
1,1-Dichloroethene	25.00	21.16	85	72-138	5	20
Benzene	25.00	23.21	93	80-122	3	20
Trichloroethene	25.00	20.44	82	80-122	4	20
Toluene	25.00	23.36	93	80-120	4	20
Chlorobenzene	25.00	23.76	95	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	100	71-140
Toluene-d8	101	80-120
Bromofluorobenzene	92	80-121

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555544	Batch#:	165786
Matrix:	Water	Analyzed:	08/11/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555544	Batch#:	165786
Matrix:	Water	Analyzed:	08/11/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	104	71-140
Toluene-d8	103	80-120
Bromofluorobenzene	102	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	165846
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Type: BS Lab ID: QC555802

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	121.6	97	45-152
Isopropyl Ether (DIPE)	25.00	28.22	113	56-134
Ethyl tert-Butyl Ether (ETBE)	25.00	27.72	111	60-124
Methyl tert-Amyl Ether (TAME)	25.00	24.84	99	66-120
1,1-Dichloroethene	25.00	28.06	112	72-138
Benzene	25.00	27.20	109	80-122
Trichloroethene	25.00	25.51	102	80-122
Toluene	25.00	25.36	101	80-120
Chlorobenzene	25.00	25.38	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	95	71-140
Toluene-d8	94	80-120
Bromofluorobenzene	95	80-121

Type: BSD Lab ID: QC555803

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	119.4	96	45-152	2	30
Isopropyl Ether (DIPE)	25.00	27.49	110	56-134	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	27.11	108	60-124	2	20
Methyl tert-Amyl Ether (TAME)	25.00	24.65	99	66-120	1	20
1,1-Dichloroethene	25.00	27.68	111	72-138	1	20
Benzene	25.00	27.07	108	80-122	0	20
Trichloroethene	25.00	25.75	103	80-122	1	20
Toluene	25.00	25.20	101	80-120	1	20
Chlorobenzene	25.00	25.33	101	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	94	71-140
Toluene-d8	94	80-120
Bromofluorobenzene	96	80-121

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555804	Batch#:	165846
Matrix:	Water	Analyzed:	08/12/10
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2721	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC555804	Batch#:	165846
Matrix:	Water	Analyzed:	08/12/10
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	94	71-140
Toluene-d8	96	80-120
Bromofluorobenzene	104	80-121

ND= Not Detected
 RL= Reporting Limit

Lead			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	2721	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	165826
Field ID:	LFR-4	Sampled:	08/05/10
Matrix:	Water	Received:	08/06/10
Units:	ug/L	Prepared:	08/11/10
Diln Fac:	1.000	Analyzed:	08/12/10

Type	Lab ID	Result	RL
SAMPLE	221741-002	ND	5.0
BLANK	QC555701	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Lead			
Lab #:	221741	Location:	316 38th St., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	2721	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	165826
Field ID:	ZZZZZZZZZZ	Sampled:	08/11/10
MSS Lab ID:	221794-001	Received:	08/11/10
Matrix:	Water	Prepared:	08/11/10
Units:	ug/L	Analyzed:	08/12/10
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC555702		100.0	95.67	96	79-120		
BSD	QC555703		100.0	98.42	98	79-120	3	20
MS	QC555704	<1.000	100.0	94.68	95	66-120		
MSD	QC555705		100.0	98.11	98	66-120	4	25

RPD= Relative Percent Difference

Appendix C

Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. <u>2127001</u>		2. Page 1 of 1	
3. Generator's Name and Mailing Address Earl Thompson 316 32 nd Street Oakland, Ca 94609		4. Generator's Phone ()		5. Transporter 1 Company Name Advanced Chemical Transport, Inc		6. US EPA ID Number CAE 000070640	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address US Ecology Nevada Inc P.O. Box 572, Hwy 95, 11 Miles S Beatty Beatty, NV 89003		10. US EPA ID Number NVT 330910000	
11. WASTE DESCRIPTION		12. Containers		13. Total Quantity		14. Unit Wt./Vol.	
		No. Type					
a. Non Hazardous Waste Solid (Drilling Soil)		2 DRI		782		P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above EAU 111, 112 Profile (2x55 0TH) Project #24793				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name						Date	
Signature						Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name						Month Day Year	
Signature						Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name						Month Day Year	
Signature						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name						Date	
Signature						Month Day Year	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WORK ORDER

 ACT <small>Advanced Chemical Transport</small>	1210 Elko Drive Sunnyvale, CA 94089 408 548-5050 P 408 548-5052 F	2213 Meyers Avenue Escondido, CA 92029 760 489-5600 P 760 489-5625 F	265 Riggs Avenue Merced, CA 95341 209 722-4228 P 209 722-8228 F	2501 S. Garnsey St., Suite B Santa Ana, CA 92707 714 545-2191 P 714 545-2287 F	Work Order # 24893 Proposal # Date 8/24/2009 Account Sales Manager Bruce
--	--	---	--	---	---

Customer Information

Name: Soma Environmental
 Address: 6620 Owens Drive Ste A
Pleasanton, Ca 94588

EPA ID # Erica Fisker
 Main Contact: 925-734-6400
 Phone: 925-734-6400

Secondary Contact:
 Phone:

PO #

Service Request

Description: WASTE PICK UP

2 x 55 gal Steel Non-Hazardous Drilling Soil - US Ecology

Site address:
Earl Thompson
316 38th Street
Oakland, Ca 94609

Materials and Equipment

Supplies	New			Reconditioned		
	Metal	Poly	Fiber	Metal	Poly	Fiber
85-gallon overpack						
55-gallon closed top						
55-gallon open top						
30-gallon closed top						
30-gallon open top						
20-gallon closed top						
20-gallon open top						
15-gallon closed top						
15-gallon open top						
10-gallon closed top						
10-gallon open top						
5-gallon closed top						
5-gallon open top						
1-gallon open top						
PIH Packaging						
275-gallon tote						
Cubic Yard Box						
4ft Light Tube Drum						
8ft Light Tube Drum						

Services

Disposal Services:

Quantity	Container Size	Profile #/Waste Type	Shipping Document #	Treatment Facility
<u>2</u>	<u>55GAL</u>	<u>---</u>	<u>2989309</u>	<u>USE</u>

Packing Materials

	#
Vermiculite, Bag	
Clay Absorbent, Bag	
Bubble Wrap, Roll	
Bubble Wrap Bags, Box	
Drum Liners	
Pallet	
SuperSack	
Radioactive Waste Boxes	
Biological Waste Boxes	
Red Biological Waste Bags	

Transportation Services:

Number of Containers	Facility/Destination
<u>2</u>	<u>U.S. Ecology</u>

Notes: (Send Copies to Gen.)

Labor:	Hours/Regular	Hours/Overtime	Service Provided
Project Manger			
Chemist			
Technician <u>x1</u>	<u>3hrs</u>		
Driver	<u>3hrs</u>		
Other:			

Personal Protective Equipment

	#
Level D	<u>2</u>
Level C	
Level B	

Notes:

Customer Signature: X Jesse Acadillo Date: 8/24/09

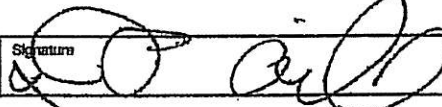
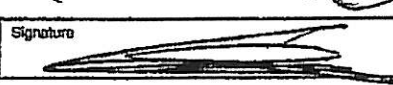
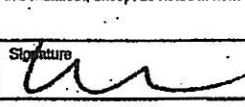
PRINT NAME: X Jesse Acadillo

Other Materials

	#

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. None	Manifest Document No. 2489-01	2. Page 1 of 1
3. Generator's Name and Mailing Address Earl Thompson 316-38th Street Oakland, CA 94609				
4. Generator's Phone 510-734-6400				
5. Transporter 1 Company Name Advanced Chemical Transport, Inc.		6. US EPA ID Number CA.FO.0.0.0.7.0.5.4.0.		A. State Transporter's ID
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (408) 548-5050
8. Designated Facility Name and Site Address US Ecology Needs Inc. P.O. Box 578 Hwy 93, 11 Miles S. Beatty Beatty, NV 89001		10. US EPA ID Number NYT 30010000		C. State Transporter's ID
				D. Transporter 2 Phone
				E. State Facility's ID
				F. Facility's Phone (800) 239-3543
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity
			No.	Unit
a. Non Hazardous Waste Solid (Drilling Soil)			2	DM
				782
				P
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above RAIL 001, 002 Profile (2x55 OTM) Project #24893			H. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name Jesse Acetillo		Signature 		Date 08/24/10
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Scott Andrews		Signature 		Date 08/24/10
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Date
19. Discrepancy Indication Space				
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in Item 18.				
Printed/Typed Name H CHASLER		Signature 		Date 08/24/10

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY