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August 17, 2009

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

Subject: Site Located at 3820 Manila Avenue, Oakland, California
Former Glovatorium Facility

Dear Mr. Wickham:

SOMA's "Site Investigation, Monitoring Well Modifications, Extraction Well Installation and Continued MPE Pilot Testing" report for the subject property has been uploaded to the State's geotracker database for your review.

Thank you for your time in reviewing our report. Please do not hesitate to call me at (925) 734-6400, if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Mansour Sepehr".

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

A handwritten signature in black ink, appearing to read "Stuart Depper".

Stuart Depper
Clean Tech Machinery

cc: Mr. Albert M. Cohen, LOEB&LOEB LLP w/report enclosure
Mr. Peter W. McGaw, ARCHER NORRIS w/report enclosure
Dr. Bruce Page, Bruce W. Page Consulting w/report enclosure
Mr. Stuart Depper w/report enclosure
Ms. Betty Graham, Regional Water Quality Control Board

**Site Investigation, Monitoring Well Modifications,
Extraction Well Installation,
and Continued MPE Pilot Testing**

**The Former Glovatorium
3820 Manila Avenue
Oakland, California**

Project 2512-14

August 17, 2009

**Prepared for
Loeb & Loeb LLB
10100 Santa Monica Blvd., Suite 2200
Los Angeles, California 90067-4164**

CERTIFICATION

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report for the Law Offices of Loeb & Loeb LLP, in response to Alameda County Environmental Health Services correspondence dated April 6, 2009, and in accordance with SOMA's approved "Workplan for Soil Borings, Well Modifications, Additional Extraction Well Installations, Continued MPE Pilot Testing" dated March 9, 2009.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist



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1. INTRODUCTION

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report for the Law Offices of Loeb & Loeb LLP on behalf of their client, the owners of the subject property. The property, the former Glovatorium, is located at 3820 Manila Avenue (formerly known as 3815 Broadway), Oakland, California, as illustrated in Figure 1. The site is located in an area of primarily commercial and residential development.

The objective of this report is to determine the nature and extent of soil and groundwater contamination in order to install additional multi-phase extraction (MPE) wells for further pilot testing at the site. This report summarizes advancement of soil borings and modifications to existing monitoring wells currently being used for MPE pilot testing. In addition, the report also discusses installation of additional MPE wells at the site. This report was prepared in accordance with SOMA's March 2009 workplan, approved by Alameda County Environmental Health Services (ACEHS) on April 6, 2009.

1.1 Site Description and Current Environmental Conditions

The site is located between Manila Avenue and Broadway Street, near the intersection of 38th Street and Manila Avenue. Surface elevation ranges from approximately 78 to 84 feet above mean sea level.

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. Figure 2 shows locations of the main building, fuel tank areas, and on- and off-site groundwater monitoring wells.

A 54-inch, inside-diameter storm drain culvert passes under the property, from Manila Avenue on the west, to 38th Street to the south (Figure 2). The depth of the storm drain invert is approximately 8.5 feet under the sidewalk on the eastern side of Manila Avenue and approximately 13.2 feet below ground surface (bgs) at the far end, approximately 60 feet south of GW-4.

A 10-inch-diameter cast iron sanitary sewer conduit runs westerly from the on-site building and discharges into the sanitary sewer line, which runs north to south along Manila Avenue. Figure 2 shows locations of the storm drain and sanitary sewer system.

Six underground storage tanks (USTs) were formerly located on-site. Two were located under the sidewalk on 38th Street and four inside the building. UST capacities have been variously reported as ranging from 800 to 4,000 gallons. The tanks reportedly contained Stoddard solvent (TPH-ss), fuel oil and possibly waste oil. The tanks inside the building were interconnected through a series of

pipes and valves. Reportedly, in the late 1970s a significant release of TPH-ss occurred when a new piping system was installed (Figure 2a). In 1997, the six USTs were abandoned in place by backfilling with either a cement-sand slurry or pea gravel by HK2, Inc of San Mateo. HK2 conducted the tank closure and reporting. UST-1 through UST-4, inside the building, contained residual liquid. On June 5 and 9, 1997, HK2 delivered a 1,500 gallon aboveground storage tank (AST) to the site, measured the amount of liquid in each of these four USTs, collected samples of residual liquid from each, pumped the residual liquid into the AST, rinsed the USTs, pumped the rinsate into the AST, and inspected the inside of each UST with video camera. The report indicates presence of holes in USTs 2 and 3, which contained Stoddard solvent (TPH-ss); the report also indicates that on June 11, 1997, HK2 pumped out groundwater that had recharged into UST-1 through UST-4. This indirectly indicates the presence of hole(s) in UST-1 and UST-4 also. A total of 81 drums containing diesel fuel, TPH-ss, oil, and various wastes were removed from the site and properly disposed of.

Based on results of past site investigations and groundwater monitoring data, soil and groundwater have been impacted by petroleum hydrocarbons and chlorinated solvents.

The source area for TPH-ss appears to have been formed by chemical releases from the former indoor USTs and their associated piping system, as well as from the washing machine operation. As noted above, a significant release was reportedly discovered in the late 1970s when the new underground piping system connecting the USTs to the washing machines was found to have been installed incorrectly. Figure 2a shows the approximate location of the release area. Based on groundwater monitoring data, TPH-ss and petroleum hydrocarbons are predominantly present in SOMA-4 and B-8, located in the area next to the former USTs in the building.

Results from the First Semi-Annual 2008 sampling event showed significant increases in perchloroethylene (PCE) levels and newly discovered free product (FP) in B-10 and SOMA-2 in close proximity to one of the dry-cleaning machines. SOMA believes that presence of elevated levels of FP in these wells for the first time contributed to the presence of elevated levels of dissolved solvents at this location. The FP consisted primarily of TPH-ss, which can dissolve PCE and trichloroethylene (TCE). Thus, it is suspected that FP in the area of SOMA-2 and B-10 caused dissolution and mobilization of residual levels of PCE in the subsurface.

Beginning September 2, 2008, SOMA conducted a 45-day multi-phase extraction (MPE) pilot test. Pilot test results indicate that MPE technology is highly effective in removing FP, chemically impacted groundwater and soil vapor from the subsurface.

Wells used for MPE pilot testing included three 2-inch-diameter wells (SOMA-4, SOMA-2, B-8) and a 1-inch-diameter well (B-10) all screened in the First water-bearing zone (WBZ). The MPE mass removal rate and zone of influence (ZOI) of these four extraction wells was not sufficient to effectively remove the chemical mass from the subsurface. Review of lithologic logs and observations made during installation of these wells indicated some contamination above their perforation intervals between 3 and 8 feet bgs. As such, these wells may not be capable of removing contaminants from shallower depths.

Due to the presence of elevated levels of PCE, free-phase PCE in the form of dense non-aqueous phase liquid (DNAPL) is most likely present in the subsurface. A rule of thumb is that if the concentration of PCE in groundwater exceeds one percent of its solubility limit (150 mg/L), there is a strong chance that DNAPL is present in subsurface. As discussed, elevated levels of PCE above its solubility limit were reported during the First Quarter 2008 groundwater monitoring event. Prior to MPE pilot testing, up to 10,000 µg/L PCE, 4,200 µg/L TCE and 15,000 µg/L cis-1,2-DCE were reported in B-10. Due to its high density, DNAPL may be located at depths below the perforation interval of the current monitoring wells being used as extraction wells. Therefore, the current extraction wells do not appear to be suitable for removing DNAPL from the subsurface. As such, SOMA recommended (a) modifying B-8, B-10, SOMA-2, and SOMA-4 with longer screened intervals, (b) increasing the diameter of B-10 from 1 to 2 inches and (c) installing additional MPE extraction wells within the hotspots.

Historical soil sampling was conducted over 8 to 11 years ago. Due to biodegradation processes, previous soil data may not be representative of current site conditions. To better delineate the lateral and vertical extent of subsurface contamination, SOMA proposed conducting a soil and groundwater investigation.

Recent Investigation in the Neighboring Property

In November 2008, three USTs located under the sidewalk along 38th Street, associated with the adjacent property at 316 38th Street, were properly decommissioned in place. All residual amounts of hazardous substances, which were stored in the UST system prior to closure, were removed, neutralized, and properly disposed of, and USTs and associated piping were filled with an appropriate slurry mixture. It was concluded that the contaminant source was removed from the property and properly disposed of.

Observations made during decommissioning of the USTs indicated that at least one of the USTs had hole(s). Reportedly, upon purging one of the USTs, groundwater was discharging into the leaky tank at the rate of 0.04 gallon per minute. Residual soil contamination appeared to be present between 6 and 8 feet bgs around the USTs. Results of laboratory analysis of groundwater samples

indicated the presence of elevated levels of petroleum hydrocarbons next to the leaky UST.

1.2 Site Geology and Hydrogeology

The property 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 representative of an alluvial fan depositional environment. These deposits consist of brown, medium-dense sand that fines upward to sandy or silty clay. The pattern of stream-channel deposition environment 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 encountered in soil borings 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 tends to reduce their permeability. Based on previous investigations conducted by Geosolv and LFR, a relatively coarse-grained layer of silty sand, clayey sand, and clayey gravel was encountered in soil borings E-23, E-25, E-26, GW-2, GW-3, GW-7, and GW-8 at depths of approximately 4.5 to 14 feet bgs. A discontinuous layer of silty to clayey sand was encountered in borings B-11, E-23, E-25, GW-7 and GW-8 at depths of 17 to 21 feet bgs.

Based on SOMA's October 2001 field investigation, no deeper major water-bearing zones were encountered at the site. Updated cross-sections were created from lithologic logs of groundwater monitoring wells installed by SOMA and boring logs from the current investigation (Figure 4) revealing the upper 25 to 30 feet of the subsurface beneath the site. These cross-sections (Figures 5 and 6) indicate that the water-bearing zone is composed of fine-grained, clayey sand to sandy clay sediments underlain by a very low-permeability clay layer, which is unsaturated in some locations. For instance, SOMA-5, which was screened within a significantly thick clay layer beneath the first water-bearing zone, from 21 to 26 feet bgs using the dual tubing method, was a dry well until the First Quarter 2002 sampling event. Due to the presence of unsaturated and low-permeability intervening clay layers between shallow and deep layers, there is a significant vertical downward gradient between shallow and deep wells.

Lenses of sandy clay are seen within the silty clay both above and below the main water-bearing zone. Discontinuous lenses of coarser grain sands and gravels are also seen along the base of the water bearing sandy clays; the parallel nature of these discontinuous lenses can be seen clearly in Figure 6. Static groundwater occurs around 10 to 12 feet bgs, although an obvious groundwater-bearing zone was not encountered in all borings.

Groundwater monitoring events reveal groundwater depths ranging from 4 to 14 feet bgs with groundwater flow gradients ranging from 0.017 ft/ft to 0.035 ft/ft. Groundwater flow has been predominantly northeast to southwest across the site. Slug test results indicate that hydraulic conductivity of the saturated sediments ranges between 1.2×10^{-4} and 6.9×10^{-4} cm/sec. 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. Currently a capture zone exists around SOMA-4 due to ongoing MPE pilot testing at that well.

2. SCOPE OF WORK

Per ACEHS correspondence dated April 6, 2009, the purpose of this investigation was as follows:

1. Evaluate effectiveness of the latest pilot test commenced on December 17, 2008
2. Delineate current extent of soil and groundwater contamination
3. Evaluate effectiveness of existing MPE wells
4. Reconstruct MPE wells for effective removal of contaminants
5. Install additional MPE wells using the new soil and groundwater data for conducting additional pilot testing
- 6.

The scope of work consists of the following tasks:

- Task 1: Permit acquisition, Health and Safety Plan preparation, and subsurface utility clearance
- Task 2: Advancement of soil borings to evaluate the current distribution of chemicals in soil and groundwater
- Task 3: Modification of monitoring wells SOMA-4, B-8 and B-10
- Task 4: Installation of five additional MPE extraction wells
- Task 5: Well Survey and Waste Disposal
- Task 6: Report Preparation

3. FURTHER SOIL AND GROUNDWATER INVESTIGATION AND WELL INSTALLATION

3.1 Pre-Investigation Activities

Prior to commencing field activities, SOMA obtained drilling permits from Alameda County Public Works (ACPW) (Appendix B). Obstruction permits were acquired from the City of Oakland on May 4 and 18, 2009, for blocking the loading zone in front of the site (Appendix B). ACPW was given the required 72-hour notice in advance of drilling on May 29, 2009 and the required grouting inspection was scheduled with ACPW inspector Vicky Hamlin.

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

On April 29, 2009, prior to boring advancement activities, SOMA's field crew visited the site and marked proposed well locations using chalk-based white paint and flags where feasible. Underground Service Alert (USA) clearance verifying that drilling areas were clear of underground utilities was obtained April 29, 2009 (Ticket 121491). A private utility locator (OHJ Subsurface Utility Locator) surveyed proposed drilling areas on April 29, 2009 to locate any additional subsurface conduits before the boring advancement and once again on May 19, 2009 before the well installation. Furthermore, due to multiple obstructions being encountered during well installation, SOMA retained another private utility locator (Cruz Brothers Locators, Inc.) who also surveyed the drilling areas on May 22, 2009.

3.2 Soil and Groundwater Investigation

3.2.1 Advancement of DPT Borings

On May 4, 5, and 6, 2009, under SOMA's oversight, Gregg Drilling & Testing (Gregg) advanced 16 vertical direct push (DP) borings (SB-1 through SB-16) within the former Glovatorium. Del Secco performed concrete cutting for each boring location on May 4 and May 6, 2009. The DP borings were advanced to depths of 20 feet bgs. All borings were advanced utilizing a limited access rig

(Warthog), except SB-14, which was advanced via hand auguring due to access limitations at the boring location. SB-16 was advanced in two locations due to subsurface piping in the former collection sump area and was fully advanced to the final depth of 20 feet bgs on the third try. SB-6 was advanced to 6 feet bgs when a storm drain not located on any City of Oakland utility maps was encountered. On May 6, 2009 SOMA retained Mr. Rooter to conduct a video survey of an obstruction near SB-6. Per their report, it appeared that a void underneath the site is a brick-lined pipe 48" in diameter with free-flowing water at the bottom. After subsurface video recording verified that the encountered feature was a storm drain, the boring was capped at its base over the storm drain and grouted in compliance with local regulations. An attempt was made to advance SB-6 in a second location but both SB-6 and SB-3 could not be advanced beyond 3 to 6 feet bgs due to subsurface obstructions. Locations of advanced borings are shown in Figure 3.

3.2.2 Soil Sample Collection

DP technology (DPT) is an efficient method of collecting continuous soil cores while preventing cross-contamination. DPT involves hydraulically hammering a set of steel rods into the subsurface with the lead section consisting of a polyethylene-lined sampler. After pushing the drilling rods to the desired depth, the soil-filled liner is retrieved. Soil samples for SB-14 were collected from soil cuttings in the hand auger. Using the visual-manual method, SOMA's field geologist logged continuous soil cores and soil cuttings from each boring location, characterizing the content of each soil-filled tube using the Unified Soil Classification System (USCS). Encountered subsurface lithologies were recorded on geologic borehole logs. The contents of each sediment-filled tube were screened using a photoionization detector (PID) at each screened depth and results noted on respective boring logs. Boring logs are cataloged in Appendix C.

Soil samples were collected at depths where PID readings or visual observations indicated significant soil contamination. At each interval of depth-discrete soil sampling, the DP drilling rig obtained a 4-foot soil core sample. SOMA's field geologist cut sections of the soil-filled tubes into 6-inch-long sections and capped each end with a Teflon liner and polyethylene end caps. Absent detectable contaminants of concern (COCs) in soil during field screening, a minimum of one soil sample was collected from each soil boring. Table 1 shows sampling depths for all the collected samples.

Collected samples were labeled and immediately placed into a chilled ice chest pending transportation to Curtis & Tompkins, Ltd. (C&T), a California state-certified environmental laboratory, for analysis.

3.2.3 Groundwater Sampling

Final boring depths were at 20 feet bgs, except for SB-3 and SB-6 as noted above. Depths to groundwater ranged from 8 to 17 feet bgs, and groundwater was most frequently encountered between 10 and 13 feet bgs. To collect groundwater samples, a dual-tube groundwater profiler was used. 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 1-inch-diameter drilling rods were withdrawn from within the 2.125-inch-diameter outer casing to insert the screened sampler. The field crew used decontaminated disposable bailers to collect grab groundwater samples. Some borings (SB-1, SB-2, SB-5, and SB-7 through SB-10) were left overnight in order to accumulate enough groundwater to constitute a sample. At SB-14, only enough groundwater accumulated to fill the 40-mL VOAs for volatile organic compound (VOC) analysis.

Samples were decanted into 40-mL VOA vials, prepreserved with hydrochloric acid, and 1-L ambers, and immediately stored in a cooler with ice, pending delivery to C&T.

After collection of groundwater samples, each borehole was decommissioned according to Cal/EPA guidelines with a neat-cement grout mixture and completed at the surface with rapid-set cement grout at the top to match existing grade. To prevent bridging and help ensure a good seal, grout was kept under pressure during emplacement. This was achieved by use of a tremie pipe to feed grout into the bottom of the hole. At all times, the opening of the tremie pipe was submerged several feet below the level of grout in the hole; the amount of submergence was dependent on the amount of pressure needed to ensure adequate penetration of grout into the formation.

3.2.4 Laboratory Analysis

Soil and groundwater samples were submitted to C&T for analysis as follows:

- TPH-ss, total petroleum hydrocarbons as gasoline (TPH-g) and diesel (TPH-d) using EPA Method 8015
- VOCs including benzene, toluene, ethyl benzene, and total xylenes (collectively termed BTEX), methyl tertiary-butyl ether (MtBE), tertiary-butyl alcohol (TBA), PCE, TCE, vinyl chloride, and cis/trans-1,2-DCE (dichloroethylene) using EPA Method 8260B.

3.3 Results

The purpose of this assessment was to more accurately and fully delineate the lateral and vertical extent of subsurface contamination. Updated cross-sections

were created using the new boring logs and most recent groundwater monitoring data to show the extent of contamination in the subsurface. Figure 4 shows the location of geologic cross-sections, and Figures 5 and 6 show geologic cross-sections A-A' and B-B', respectively.

3.3.1 Lateral and Vertical Extent of Contamination in Soil

TPH-g and TPH-ss were detected above California Regional Water Quality Control Boards (CRWQCB) Environmental Screening Level (ESL, 83 mg/kg) for shallow and deep soil, in soil samples from all borings except SB-1 and SB-2; concentrations ranged from 100 mg/kg and 86 mg/kg (SB-14 at 8 feet bgs) up to 19,000 mg/kg and 16,000 mg/kg (SB-16 at 11 feet bgs). Figures 7 through 18 show TPH-g and TPH-ss concentration contour maps at 5, 8, 10, 12-13, 14-15, and 16-18 feet bgs. At the shallower depth (5-10 feet bgs), TPH-g and TPH-ss contamination was greatest near SB-15 (7,700 mg/kg and 1,800 mg/kg, respectively, Figures 7, 8, 13 and 14), near the former indoor USTs and leaking piping system (Figure 2a). At the greater depth, the highest concentrations were along the center of the building, along the line of B-10 to SB-4 (2,400 mg/kg and 2,000 mg/kg, respectively at SB-10), and at SB-7 at 12 to 13 feet bgs (2,700 mg/kg and 2,200 mg/kg, respectively) (Figures 10 and 16), with elevated concentrations centered on SB-4 and increasing in the direction of groundwater flow with increased depth (Figures 11, 12, 17, and 18).

TPH-d was detected above ESL (83 mg/kg) in soil samples from all borings except SB-2, concentrations ranged from 100 mg/kg in SB-4 at 14 feet bgs up to 2,100 mg/kg in SB-15 at 8 feet bgs. Figures 19 through 24 show TPH-d concentration contour maps at 5, 8, 10, 12-13, 14-15, and 16-18 feet bgs. At 5 feet bgs, elevated concentrations of TPH-d were centered on SB-15, in the vicinity of the former indoor USTs where a release was reported to have occurred. (Figures 2a and 19). From 8 to 10 feet bgs, elevated concentrations were observed across the site (northwest to southeast, Figures 20 and 21), perpendicular to groundwater flow. While elevated concentrations were observed around SB-15 and SB-16 at 8 feet bgs (2,100 mg/kg and 1,100 mg/kg, respectively), approaching 10 feet bgs depth, concentrations became fairly equal across the site. At 12 feet bgs, the highest concentrations were seen in vicinity of SB-7 (970 mg/kg, Figure 22); at 14 feet the most elevated concentrations were observed at SB-16 (210 mg/kg, Figure 23) and from 16 to 18 feet bgs, the only elevated concentration was seen at SB-1 (670 mg/kg, Figure 24).

PCE was detected at 1.9 mg/kg at 5 feet bgs in SB-9, at 4.5 mg/kg at 8 feet bgs in SB-8, and at 0.69 mg/kg at 12.5 feet bgs in SB-10, above ESLs of 0.37 mg/kg for residential shallow soil (<3 meters bgs) and 0.7mg/kg for commercial shallow soil and all deep soil (>3 meters bgs); PCE was below ESLs or laboratory detection limits in all other soil samples. Figures 25 through 27 show the contour maps for PCE concentrations at 5, 8, and 12 to 13 feet bgs. The highest concentration at 5 to 8 feet bgs was observed between SB-8 and SB-9 with the

plume extending eastward, with an increase in concentration at SB-10 with depth. SB-10 is located adjacent to B-10, where an increased occurrence of FP has been observed since 2008; the FP may have contributed to increased concentration of dissolved-phase PCE.

All BTEX compounds were below ESL or laboratory detection limits except for total xylenes in SB-15 at 8 feet bgs (5.5 mg/kg) and SB-16 at 11 feet bgs (2.4 mg/kg). MtBE and other VOCs were non-detect or below ESLs, except cis-1,2-DCE in SB-15 at 8 feet bgs (1.0 mg/kg). Soil analytical data is presented in Table 1. The soil laboratory analytical report is included in Appendix H.

During advancement of the soil borings, the highest PID readings were recorded in SB-16 at 11 feet bgs at 6,768 parts per million (ppm). This is consistent with soil analytical data for TPH-g and TPH-ss detected at 11 feet bgs (19,000 mg/kg and 16,000 mg/kg, respectively). The above boring is located adjacent to the former USTs where a release was reported to have occurred., in line with several subsurface metal pipes likely used for product delivery. On June 2, 2009, one foot of free product was measured in the MPE well adjacent to SB-16. Furthermore, a medium to strong petroleum hydrocarbon odor in combination with a greenish-gray color indicative of a smear zone was observed in all borings above the capillary fringe between 6.5 and 13 feet bgs extending to a maximum depth of 13 to 16 feet bgs at SB-16. As Figures 5 and 6 show, the thickest portion of the smear zone is located beneath the former indoor USTs, collection sump, and former USTs where a release was reported to have occurred. The smear zone appears contained within the water-bearing clayey sand/sandy clays with smear extending into the discontinuous coarser sand and gravel layers along the base of the WBZ and into the top 1-2 feet of silty clay located beneath the WBZ. No smear or contamination appears in the deeper water-bearing sediments (screened in SOMA-3 and SOMA-5). Some smear is observed in the silty clays above the WBZ, within the screening interval of the newly installed MPE wells and reconstructed wells (discussed below). As both cross-sections demonstrate, the smear zone does encounter both the storm drain and sanitary sewer conduits located beneath the site and both conduits are at least partially submerged below the static groundwater level, suggesting that the conduits may act as preferential flow pathways. As shown in Figure 6, contamination is seen to follow the groundwater flow direction with a hot spot near SOMA-2. Figure 5 shows that contamination extends laterally across the site cross-gradient to groundwater flow with the thickest accumulations under SB-7, SB-12 and B-13.

3.3.2 Lateral and Vertical Extent of Contamination in Groundwater

Groundwater contour figures show results of groundwater sample analysis, as well as results from the most recent groundwater monitoring event. Total petroleum hydrocarbons were above ESLs (100 µg/L) for all hydrocarbon ranges. Figures 28 and 29 show TPH-g and TPH-ss concentration contours in groundwater at the site. The highest concentrations of TPH-g and TPH-ss were

observed in SB-15 (9,400,000 µg/L and 8,900,000 µg/L, respectively), with a second hotspot observed around SB-4 (490,000 µg/L and 460,000 µg/L, respectively). Concentrations were elevated beneath the entire property, extending off-site to the southwest (in the direction of groundwater flow). TPH-g concentrations ranged from 210 µg/L in SB-8 to 1.3×10^6 µg/L and 9.4×10^6 µg/L in SB-12 and SB-15, respectively. TPH-ss concentrations ranged from 180 µg/L in SB-8 to 1.0×10^6 µg/L and 8.9×10^6 µg/L in SB-12 and SB-15, respectively. Although the highest soil impact was detected at SB-16, in the room adjacent to the former USTs, containing the piping, the highest groundwater concentrations were observed in SB-15, between two former USTs. TPH-d concentrations ranged from 500 µg/L in SB-5 to 1.3×10^6 µg/L in SB-15. As Figure 30 shows, TPH-d concentrations were elevated under the entire site, predominantly on the eastern side of the property, extending off-site into the parking lot southwest of the site building.

Benzene was detected in SB-1, SB-2, SB-4 and SB-13 (1.2 µg/L, 8.7 µg/L, 7.2 µg/L, and 1.9 µg/L). As shown in Figure 31, trace levels of benzene contamination were located under the southwest property boundary. MtBE was also detected in the vicinity of SB-10 (94 µg/L) and SOMA-1 (370 µg/L) (Figure 32). The greatest concentrations of PCE and TCE were observed in SB-10 at 8,300 µg/L and 480 µg/L (Figures 33 and 34), which was consistent with increased FP observed in adjacent B-10, possibly contributing to an increase in dissolved-phase PCE and TCE. PCE concentrations ranged from 2.9 µg/L in SB-4 to 8,300 µg/L in SB-10 and TCE concentrations ranged from 1.8 µg/L in SB-7 to 480 µg/L in SB-10. The highest concentration of cis-1,2-DCE was observed in SB-5 at 1,700 µg/L, with concentrations ranging from 3.6 µg/L in SB-1 to the high observed in SB-5. Toluene, ethyl benzene and total xylenes were detected at low concentrations in SB-15 and SB-16.

Groundwater analytical data is presented in Table 2. The groundwater laboratory analytical report is included in Appendix H.

3.4 Reconstruction of Monitoring Wells for MPE

Based on soil and groundwater contamination observed in SB-10 (adjacent to B-10 and SOMA-2), SB-12 (adjacent to SOMA-4), and SB-16 (in the vicinity of B-8), it was determined that SOMA-2 was adequately screened over the contaminated area, but that B-8, B-10 and SOMA-4 would have to be rescreened to adequately address contaminants in shallower depths and address DNAPL in the subsurface. B-10 was previously installed with a 1-inch well casing; therefore, to facilitate use as an MPE well, the well was also reinstalled with a 2-inch well casing.

Gregg over-drilled B-8, B-10, and SOMA-4 on May 18 and 19, 2009, under SOMA's supervision. The warthog rig was utilized to over-drill each well and all

casing and annular material was removed. Wells were then reinstalled to a total depth of 20 feet bgs, with 2-inch-diameter PVC casings and 0.02-inch-wide by 1.5-inch-long factory-slotted perforations from 5 to 20 feet bgs. For those wells whose original total depth was greater than 20 feet bgs, the base of the boring was backfilled with a bentonite plug. The upper portion of each well consisted of blank PVC. A 2/12 sand pack filter was emplaced around the screens and, where possible, surged to consolidate the filter packs and eliminate voids. The filter packs were emplaced 0.5 foot above the height of the top of the screens and sealed with a 1-foot-thick hydrated bentonite plug, followed by a 3.5-foot annular seal of neat cement to surface. A PVC cap was fitted to the bottom of the casing, without adhesives or tape. To protect the well from accidental damage or tampering, traffic rated utility boxes with internal steel protective covers and locking caps were placed over the extraction wellheads, and were set in concrete, resting flush with the existing grade. Well construction diagrams are included in Appendix C.

3.5 Installation of MPE Wells

Upon completion of the initial soil investigation, SOMA determined quantities and locations of additional MPE wells to be installed on-site based on soil and groundwater sample analysis. Gregg installed proposed well (MPE-5) on May 18 and 19, and the remaining MPE wells on May 21 and 22, 2009, under SOMA's supervision. Figure 3 shows locations of extraction wells (MPE-1 through MPE-5). Based on elevated concentrations of TPH-g, TPH-ss, and PCE in soil and groundwater samples, MPE-1 was located adjacent to SB-7, SB-8 and SB-9; MPE-2 was placed adjacent to SB-16, MPE-3 was placed adjacent to SB-15, MPE-4 was placed adjacent to SB-13, and MPE-5 was located adjacent to SB-14. Due to subsurface piping, MPE-3 was moved closer to B-2 and due to access limitations MPE-5 was moved out of the hallway and placed approximately 5 feet from B-3 (which can be utilized as a monitoring well).

The warthog was again utilized for well installation activities due to the confines within the site building. Wells were installed to a total depth of 20 feet bgs within the First WBZ, with 2-inch-diameter PVC casings and 0.02-inch-wide by 1.5-inch-long factory-slotted perforations; the upper portion of each well consisted of blank PVC. Based on the current investigation, the length of perforated interval of each well was 17.5 feet, starting at 2.5 feet bgs. A 2/12 sand pack filter was emplaced around the screens and, where possible, surged to consolidate the filter packs and eliminate voids. The filter packs were emplaced to the height of the top of the screens and then sealed with a 1-foot-thick hydrated bentonite plug followed by a 1-foot annular seal of neat cement to surface. A PVC cap was fitted to the bottom casing, without adhesives or tape. To protect the extraction well from accidental damage or tampering, traffic rated utility boxes with internal steel protective covers and locking caps were placed over the extraction wellheads, and were set in concrete, resting flush with the existing grade. Well completion diagrams are included in Appendix C.

3.6 Waste Disposal and Well Survey

On June 5 2009, eight 55-gallon drums of hazardous solid waste (soil cuttings) were transported from the site to a licensed disposal facility (waste manifest in Appendix D).

On July 2, 2009, Harrington Surveys, Inc., certified licensed land surveyors, surveyed the newly installed wells. Latitude and longitude coordinates were surveyed to Zone III NAD 83 datum, and the elevation coordinate to NAVD 88 datum from GPS observations. Survey data are included in Appendix E, and were uploaded to the State Water Resources Control Board Geotracker database.

4. CONTINUED MULTI PHASE EXTRACTION PILOT TESTING

4.1 Description of Multi-Phase Extraction

The purpose of MPE pilot testing was to determine the feasibility of dewatering the smear zone and removing LNAPL through vacuum-enhanced volatilization [and evaluate the zone of influence (ZOI) of each MPE well. Smear zone dewatering is critical to MPE success. The ZOI is determined using vacuum measurements collected at observation wells.

MPE, also known as dual-phase extraction (DPE), is an in situ technology that uses pumps to remove various combinations of contaminated groundwater, separate-phase petroleum product, and hydrocarbon vapor from the subsurface. MPE systems can be effective in removing FP from the subsurface, thereby reducing concentrations of PHCs in both the saturated (smear zone) and unsaturated zones of the subsurface. MPE systems are typically designed to maximize extraction rates; however, the technology also stimulates biodegradation of petroleum constituents in the unsaturated zone by increasing the supply of oxygen, in a manner similar to bioventing. MPE is often used because it enhances groundwater and/or product recovery rates, especially in layered, fine-grained soils. The application of MPE also maximizes effectiveness of soil vapor extraction by lowering the water table and therefore increasing air-phase permeabilities in the vadose zone. The vacuum applied to the subsurface with MPE systems creates vapor-phase pressure gradients toward the vacuum well. The higher the applied vacuum, the larger the hydraulic gradients that can be achieved in both vapor and liquid phases, and thus the greater the vapor and liquid recovery rates in order to prevent the off-site migration of the chemical plume.

4.2 Pre-Pilot Testing Activities

A temporary permit to operate the MPE unit was acquired from the Bay Area Air Quality Management District on August 18, 2008 (Application no. 18538), and the Permit to Operate (plant number 19199) was received on September 09, 2008. A special discharge permit was acquired from the East Bay Municipal Utility District on September 15, 2008 (50638151). Permit copies are included in Appendix B.

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

4.3 MPE Pilot Test Procedures

4.3.1 Field Work and Procedures

Following evaluation of initial 45-day testing between September 2, 2008 and October 24, 2008, based on the Alameda County directive dated April 6, 2009 SOMA resumed MPE pilot testing on December 17, 2008. Existing monitoring wells and borings were utilized as extraction wells and observation wells. SOMA-2, SOMA-4, B-8, and B-10 were utilized as extraction wells (well locations in Figure 2) and observation wells when not being utilized for extraction. Induced vacuum and groundwater levels were monitored, measured and recorded from existing wells used as observation wells.

The MPE event was performed using a standalone treatment system (Figure 35) equipped with a 428-standard cubic feet per minute (scfm), liquid ring vacuum pump rated at 25-horsepower, external heat exchanger, air/water separator vessel, discharge hoses, downhole stingers, and carbon vessels for vapor and liquid abatement.

During MPE, soil vapor and groundwater were extracted from the subsurface. Both extracted soil vapor and groundwater were treated on-site with granular activated carbon (GAC) from Siemens (specification sheets included in Appendix F). Two vessels capable of holding 1,000 pounds of GAC are used to process the vapor and liquid stream separately. Two 55-gallon drums, holding 200 pounds of GAC each, are used as polishing vessels prior to discharge.

Treatment and discharge of the vapor stream to the atmosphere operates under valid BAAQMD discharge permitting for plant number 19199. Treatment and discharge of extracted groundwater to the local sanitary sewer (manhole location shown in Figure 2) operates under the valid EBMUD discharge permit 50638151.

Physical and chemical parameters including applied vacuum, soil vapor extraction flow rates, effluent temperature, volume of groundwater extracted, VOC concentrations, and induced vacuum, were monitored, measured and recorded. Induced vacuum in observation wells was measured using magnehelic vacuum gauges fitted to airtight well caps. VOC concentrations in the extracted soil vapor stream were periodically monitored using a PID calibrated to hexane. MPE operational data is presented in Table 5. Extraction well data is presented in Table 6. Field data sheets are presented in Appendix G. Extracted soil vapor samples were collected from influent and effluent gas streams during MPE pilot testing. Table 7 lists sample identifiers and analysis results.

4.3.2 Smear Zone Dewatering

Steady state dewatering of the smear zone at extraction wells was achieved and maintained during the MPE event by vacuum. Dewatering was achieved by opening the dilution control valve at the extraction well to allow atmospheric air into the well casing, accelerating the removal of water from the well casing by vacuum. As the stinger was advanced into the well casing, water was removed by vacuum. As water was removed, vacuum was reestablished in the well casing and the stinger was advanced farther into the well casing. When the stinger reached the base of the well casing, and water removal ceased, the stinger was elevated off the bottom of the well to maintain steady-state groundwater flow into the well and to maximize mass removal rate out of the well, and then the dilution control valve was closed. Steady state dewatering during MPE between December 17, 2008 and July 31, 2009 is depicted in Figure 36 illustrating the volume and rate of groundwater extraction. The groundwater extraction rate for the MPE event based on gallons extracted and elapsed time (Table 6) was 0.33 gallons per minute (gpm).

4.3.3 Soil Vapor Sampling and Analysis

Influent soil vapor samples were collected through a sampling port located on the discharge side of the vacuum pump. Discharge vapor samples were collected through a sampling port located on the discharge side of the GAC vessels. Air samples were submitted under chain-of-custody documentation to Torrent Laboratory, Inc. and analyzed for TPH-g and TPH-ss using USEPA Analytical Method TO-3; and for other VOC compounds using USEPA Analytical Method TO-15. Soil vapor analytical results are presented in Table 7. Certified laboratory analytical reports and chain of custody documentation are included in Appendix H.

Between December 17, 2008 and May 4, 2009 influent and effluent soil vapor samples were taken during extraction from B-10, B-8, SOMA-2, and SOMA-4 (Table 7). Between May 6, 2009 and July 31, 2009 vapor samples were collected during extraction from B-10R, MPE-1, and SOMA-2. Laboratory results of vapor analysis aid in demonstrating compliance with BAAQMD discharge permit. Removal efficiencies are listed in Table 7.

4.3.4 MPE Summary

MPE pilot testing resumed on December 17, 2008 at extraction wells SOMA-2, SOMA-4, B-8, and B-10. On May 4, 2009 new wells, MPE-1, MPE-2, MPE-3, MPE-4, and MPE-5, were installed and existing wells B-8, B-10, and SOMA-4 were rebuilt in order to improve the mass removal of contaminants from the subsurface. MPE operations continue to date. MPE operations described here occurred between December 17, 2008 and July 31, 2009.

From December 17, 2008 to May 4, 2009, MPE was performed using SOMA-2, SOMA-4, B-8, and B-10. Extraction time was 162,930 minutes, or 2,715.5 hours, or 113.146 days. Extraction was paused during carbon change-outs. Various combinations of extraction wells were used to maximize efficient use of GAC. Evaluation of the level of contaminant concentrations around individual wells was accomplished by focusing extraction on individual wells. Applied vacuum ranged from 20 to 26 inches of mercury, and vapor extraction flow rate ranged from 8 to 43 scfm (Table 5). Figure 37 illustrates the vapor stream flow over this period. VOC concentrations in the extracted soil vapor stream ranged from 25 ppmv as TPH-ss to 2,442 ppmv (Tables 5 and 6). Figure 38 illustrates concentrations measured by the PID as TPH-ss over this period. Approximately 53,719 gallons of groundwater (Table 5) were extracted at a rate of 0.33 gpm. Figure 36 illustrates the volume and rate of extraction during this period.

On May 4, 2009, MPE operations were paused to allow installation of new wells, MPE-1, -2, -3, -4, and -5, and rebuilding of existing wells, SOMA-4, B-8, and B-10, renamed SOMA-4R, B-10R, and B-10R. On May 6, 2009, MPE operations were restarted. Extraction time during this period was 111,660 minutes, or 1,861 hours, or 77.542 days. Once again, various combinations of extraction wells were used to maximize efficient use of GAC. Reevaluation of the level of contaminant concentrations around individual wells was accomplished by isolating extraction to individual wells or groups of wells within an area. Applied vacuum ranged from 20 to 26 inches of mercury, and vapor extraction flow rate ranged from 11 to 37 scfm (Table 5). Figure 37 illustrates the vapor stream flow over this period. VOC concentrations in the extracted soil vapor stream ranged from 134 ppmv as TPH-ss to 2,442 ppmv (Tables 5 and 6). Figure 38 illustrates concentrations measured by the PID as TPH-ss over this period. Approximately 36,802 gallons of groundwater (Table 5) were extracted at a rate of 0.33 gpm. Figure 36 illustrates the volume and rate of extraction during this period.

5. ANALYSIS AND DISCUSSION

5.1 Mass Removed

Estimated VOC mass removal rates and VOC mass removed for the pilot test are presented in Table 6. VOC mass removed was estimated using flow rates during the pilot test, volume of air extracted during the pilot test, and VOC concentrations in ppmv as TPH-ss measured by the PID during the pilot test. VOC mass removal rate in lbs/day is estimated by dividing the VOC mass removed during the pilot test by elapsed time for the pilot test.

The mass of VOCs removed from the soil vapor extracted from wells between December 17, 2008 and May 4, 2009 based on PID data was 1304.5 lbs as TPH-ss at a rate of 11.5 lbs/day as TPH-ss (Figure 38). The mass of VOCs removed from the soil vapor extracted from wells between May 6, 2009 and July 31, 2009 based on PID data was 1026.2 lbs as TPH-ss at a rate of 13.2 lbs/day as TPH-ss. There was an increase in the rate of mass removal following the installation of the new wells MPE-1 through MPE-5, and rebuilding of existing wells SOMA-4, B-10, and B-8 as shown in Figure 38.

Table 7 presents compounds contained in soil vapor based on laboratory analytical results. A majority of the vapor stream consists of TPH-ss. The total mass of TPH-ss removed by the pilot test is estimated using the soil vapor analytical results for the pilot test and the median flow rate for the extraction wells. The estimated total mass of TPH-ss removed from extracted soil vapor by the pilot tests conducted on extraction wells was 1,784 lbs. Laboratory analytical results also show that a small percentage of the vapor stream consisted of chlorinated solvents. The estimated total mass of chlorinated solvents removed was 42 lbs as PCE and 15 lbs as cis-1,2-DCE.

There is a discrepancy in mass of VOCs between PID measurements as TPH-ss taken in the field and laboratory analyses of the extracted vapor stream. Although the vapor stream contains various compounds, the vapor stream mass as VOCs will be assumed as TPH-ss since a majority of the vapor stream consists of TPH-ss according to laboratory analytical results. However, the concentrations based on laboratory analysis are representative only of that moment in the pilot test at which the extracted vapor stream was sampled. Since the laboratory analytical results are not representative of the entire length of the pilot test, unlike the PID measurements that are collected periodically over the length of the pilot test where fluctuations in concentrations can be observed and taken into account, the total mass of VOCs (as TPH-ss) removed as measured by PID is used to estimate mass removals.

Groundwater samples were collected prior to the start of MPE testing, during groundwater monitoring events performed in Third Quarter 2008 and First Quarter 2009, during the additional investigation performed in May 2009, and following installation of new MPE wells. Table 8 lists analysis results for groundwater samples collected from extraction wells. Also listed in Table 8 are results of calculations made to determine the mass of contaminants removed from groundwater using results of analysis from samples taken from extraction wells and near previously sampled extraction wells during the May 2009 investigation. A total of 77.83 lbs of contaminants was removed from groundwater as TPH-g and TPH-ss. Certified laboratory analytical reports and chain of custody documentation are included in Appendix H.

5.2 Zone of Influence

The ZOI for the MPE pilot test is estimated by determining pressure change in observation wells versus distance from the extraction well at the end of the pilot test (EPA 1995). Induced vacuum and groundwater levels were measured at existing wells used as observation wells (Appendix G). The log of vacuum pressure measured in the observation well at the end of pilot testing is plotted versus the distance from the MPE well. Figure 39 illustrates ZOI plotted for extraction wells. A straight-line trend is plotted over data points. The lines intersect the pressure axis at 0.1 inches of water and the distance axis to estimate the MPE ZOI. For pilot testing using extraction wells, MPE ZOI is up to 51 feet.

6. FINDINGS AND RECOMMENDATIONS

6.1 Findings

1. Soil samples from the borehole investigation demonstrated that TPH-g, TPH-ss, and TPH-d contamination is widespread, with the highest concentrations observed in SB-16 at 11 feet bgs and SB-15 at 8 feet bgs (19,000 mg/kg, 16,000 mg/kg and 2,100 mg/kg, respectively). With increased depth, TPH-g and TPH-ss contamination shifts to the southwest portion of the site, in the direction of groundwater flow. based on our experience and extent of chemical plume in groundwater and presence of PCE breakdown chemicals most likely the chemicals release to subsurface in early 1970s.
2. The highest concentrations of TPH-g and TPH-ss in groundwater were observed in SB-16 (9,400,000 µg/L and 8,900,000 µg/L, respectively). TPH-d was observed in SB-15 at 1,300,000 µg/L. Elevated concentrations of TPH-g, TPH-ss, and TPH-d were observed next to the USTs where reportedly the release has happened.

3. On June 2, 2009, during the field investigation, about one foot of free product was observed in MPE-2. During groundwater monitoring event in August 2009, about two inches of free product was observed in MPE-3 and SOMA-2. Currently, SOMA is focusing on these wells to remove the free product from MPE-2, MPE-3 and SOMA-2.
4. PCE contamination in soil was observed in SB-9, SB-8, and SB-10 (1.9 mg/kg, 4.5 mg/kg, and 0.69 mg/kg, respectively) at 5, 8, and 12.5 feet bgs, respectively. Increased PCE and TCE concentrations in groundwater were observed in SB-10 (8,300 µg/L and 480 µg/L) in vicinity of B-10, where increased concentrations of FP have been observed since 2008, possibly contributing to elevated dissolved-phase PCE and TCE.
5. The mass of VOCs removed from soil vapor extracted from wells between December 17, 2008 and May 4, 2009 using MPE was 1304.5 lbs as TPH-ss at a rate of 11.5 lbs/day as TPH-ss, the mass of VOCs removed from the soil vapor extracted from wells between May 6, 2009 and July 31, 2009 was 1026.2 lbs as Stoddard solvent at a rate of 13.2 lbs/day as Stoddard solvent, for a total mass of 2,330.70 pounds. There was an increase in the mass removal rate following the installation of new wells MPE-1 through MPE-5, and rebuilding of existing wells SOMA-4, B-10, and B-8, suggesting that the new and reconstructed wells are better suited for MPE purposes. For pilot testing using extraction wells, MPE ZOI is up to 51 feet.
6. Since the newly installed wells have shown increase in mass removal rates (Figure 38), MPE mass removal efficiencies are expected to improve, minimizing time required for projected MPE operation. Further MPE testing is required to determine new daily mass removal rates, to evaluate duration of future MPE operations. The continuation of MPE operation will create a good capture zone for preventing further off-site migration of the existing chemical plume with that of the off-site plume belongs to Earl Thomson site.

6.2 Recommendations

- SOMA recommends continuing MPE pilot testing at the site, utilizing modified wells B-8R, B-10R, SOMA-4R and newly installed MPE wells, to remove TPH-g, TPH-ss and VOCs from the smear zone. This will create a good capture zone to prevent migration of groundwater chemical plume to the off-site areas.

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FIGURES

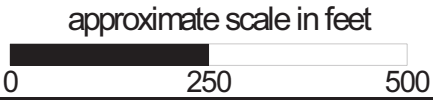


Figure 1: Site vicinity map.



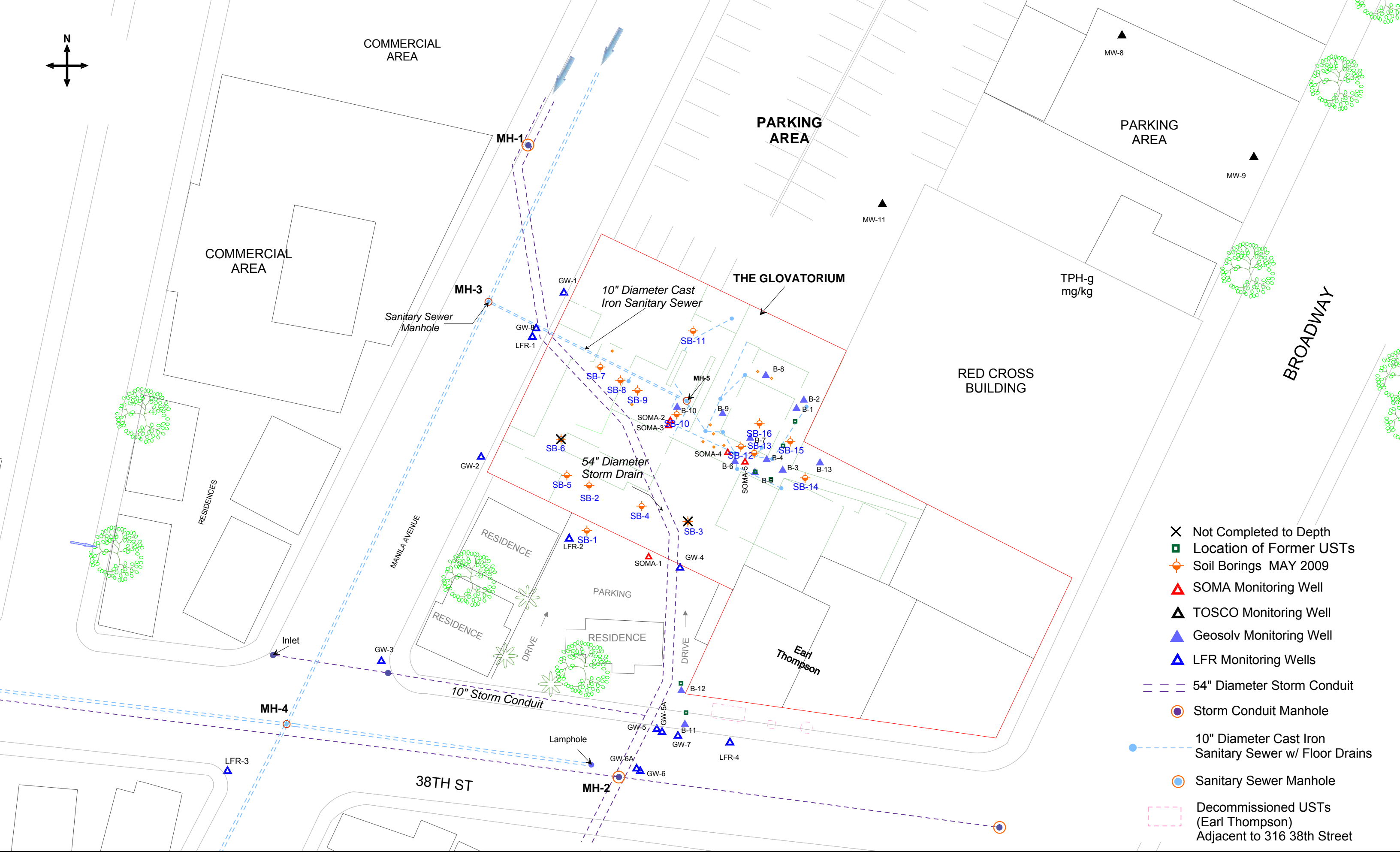
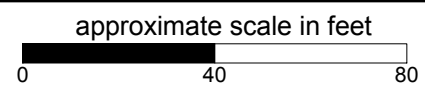


Figure 2: Map showing the Approximate Locations of Existing Monitoring Wells and Soil Borings

- ✕ Not Completed to Depth
- Location of Former USTs
- Soil Borings MAY 2009
- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- 54" Diameter Storm Conduit
- Storm Conduit Manhole
- 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Sanitary Sewer Manhole
- Decommissioned USTs (Earl Thompson) Adjacent to 316 38th Street



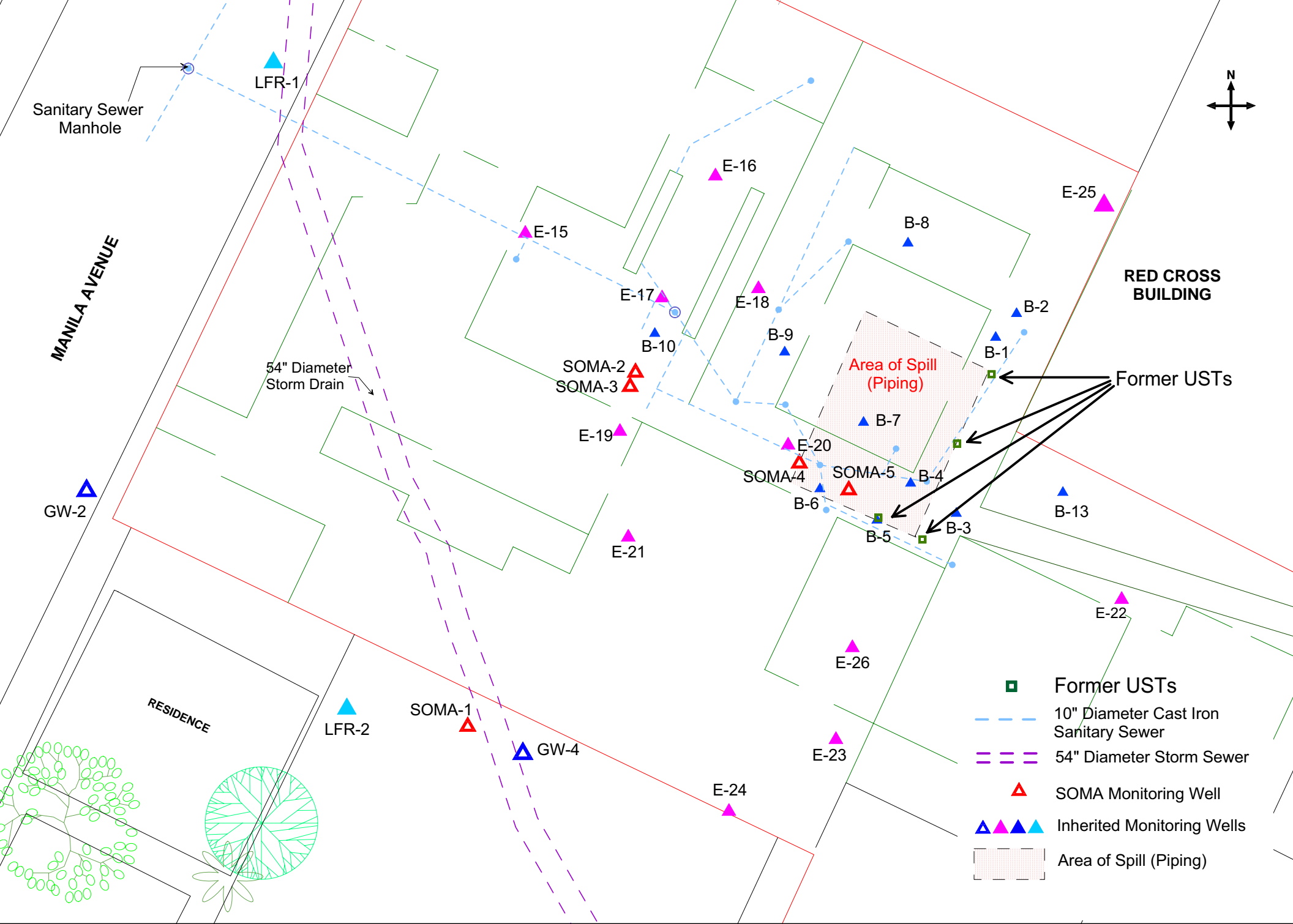
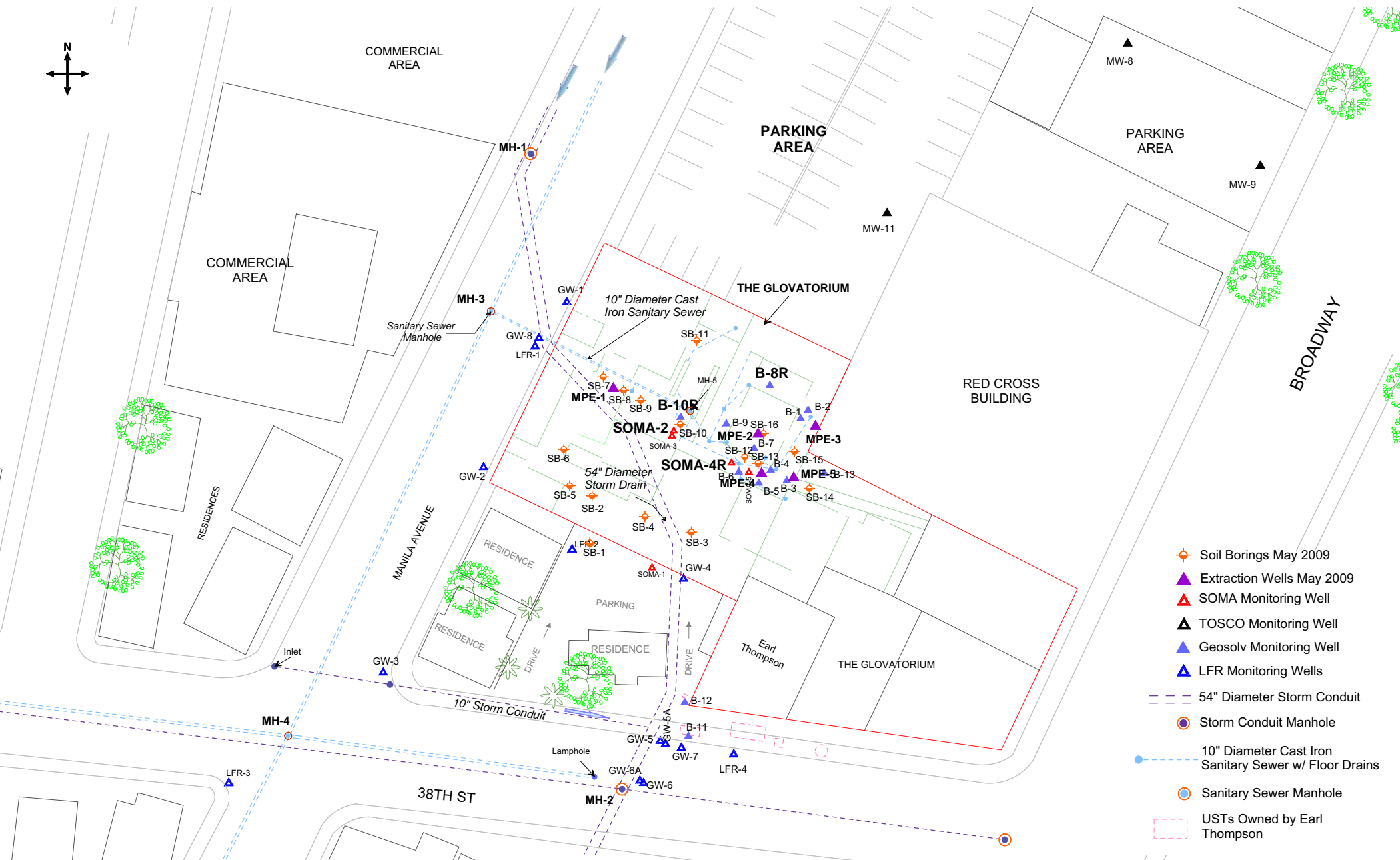


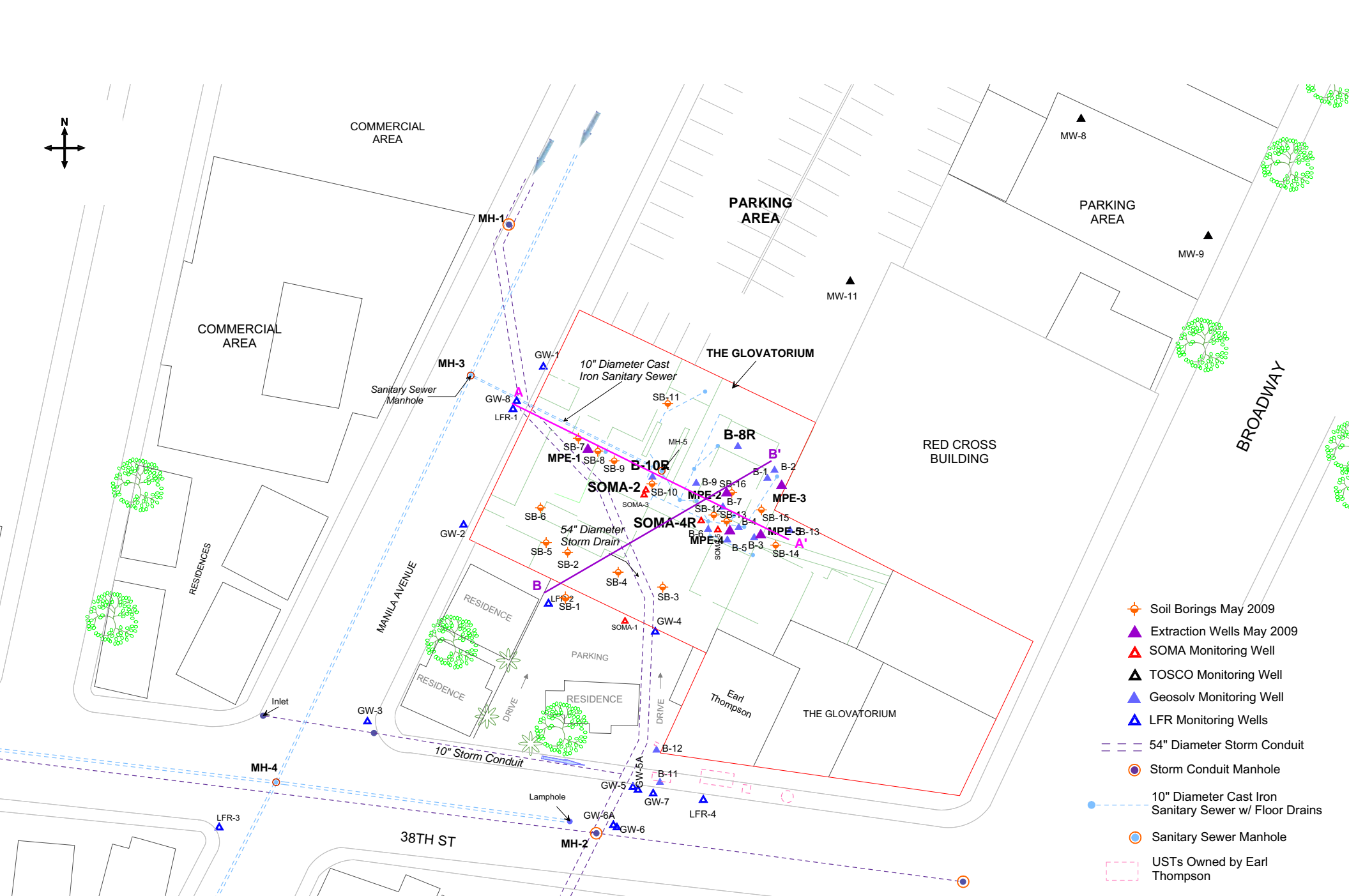
Figure 2a: Site Map Showing Locations of 1970s Piping Product Release



- ◆ Soil Borings May 2009
- ▲ Extraction Wells May 2009
- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- - - 54" Diameter Storm Conduit
- Storm Conduit Manhole
- 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Sanitary Sewer Manhole
- USTs Owned by Earl Thompson

Figure 3: Site Map Showing Locations of Soil Borings and MPE Wells





- ◆ Soil Borings May 2009
- ▲ Extraction Wells May 2009
- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- - - 54" Diameter Storm Conduit
- Storm Conduit Manhole
- - - 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Sanitary Sewer Manhole
- USTs Owned by Earl Thompson

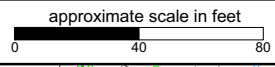


Figure 4: Site Map Showing Locations of Geological Cross-Sections



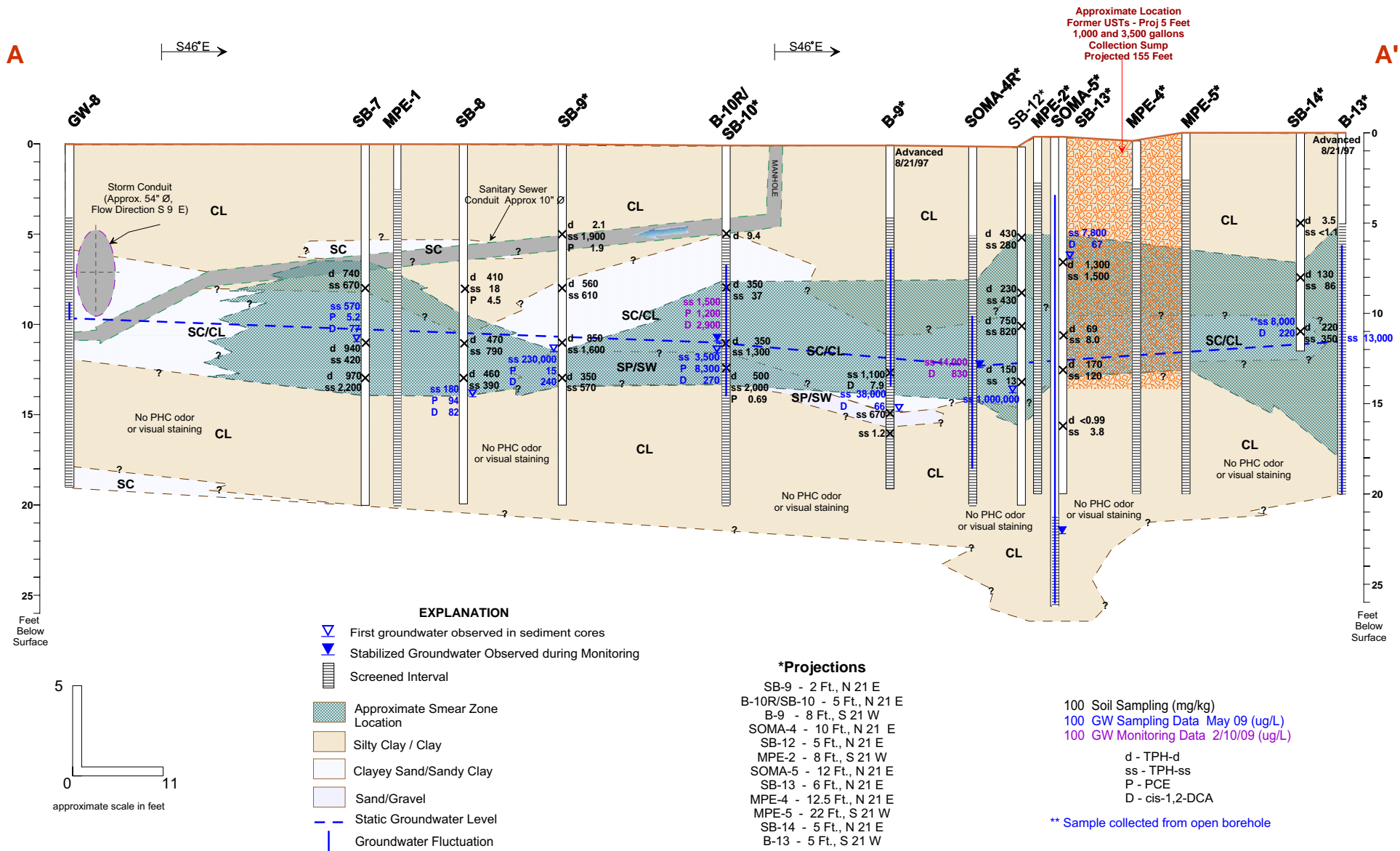


Figure 5: Geologic Cross-section A-A'

B

B'

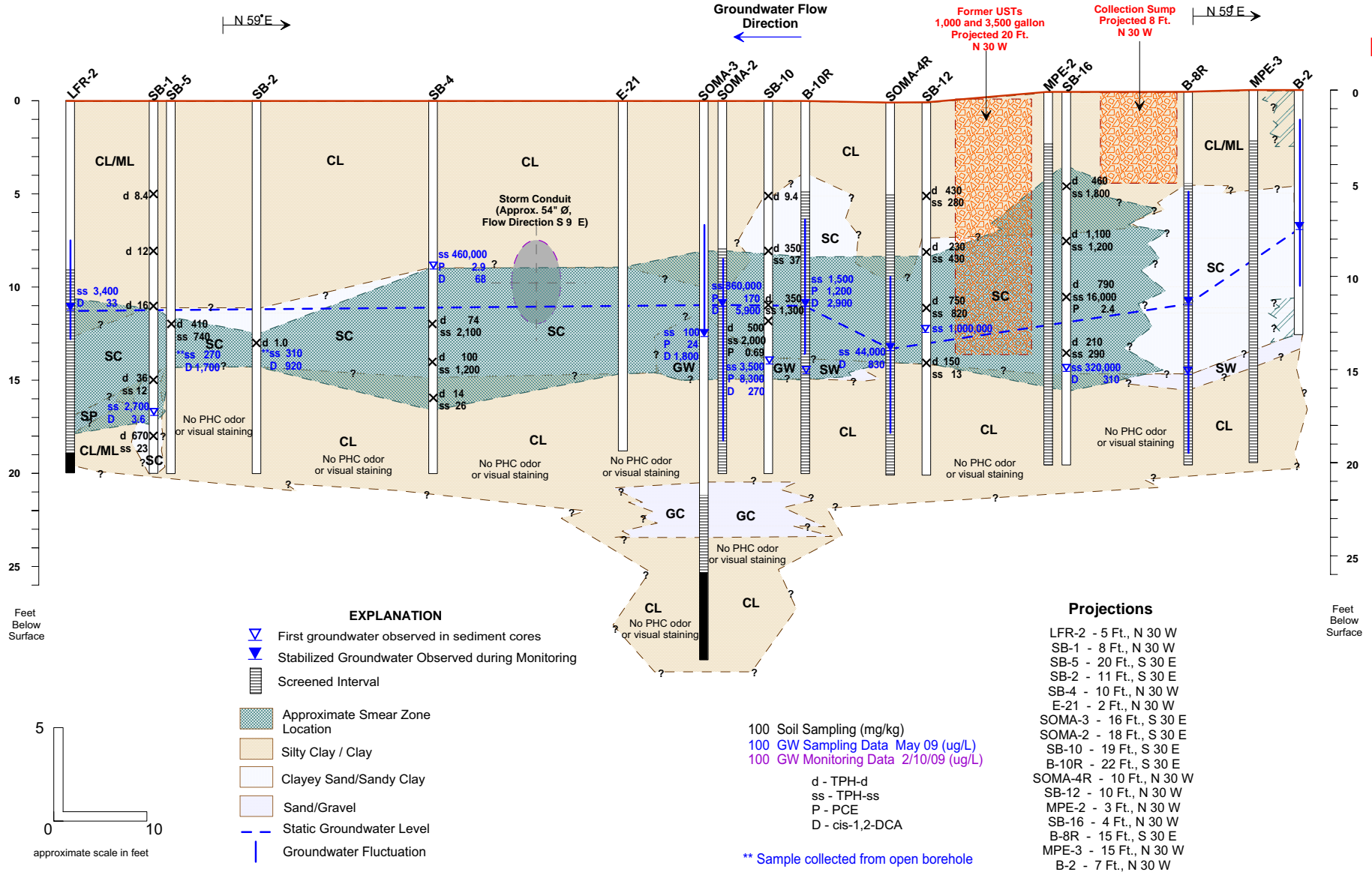


Figure 6: Geologic Cross-section B-B'



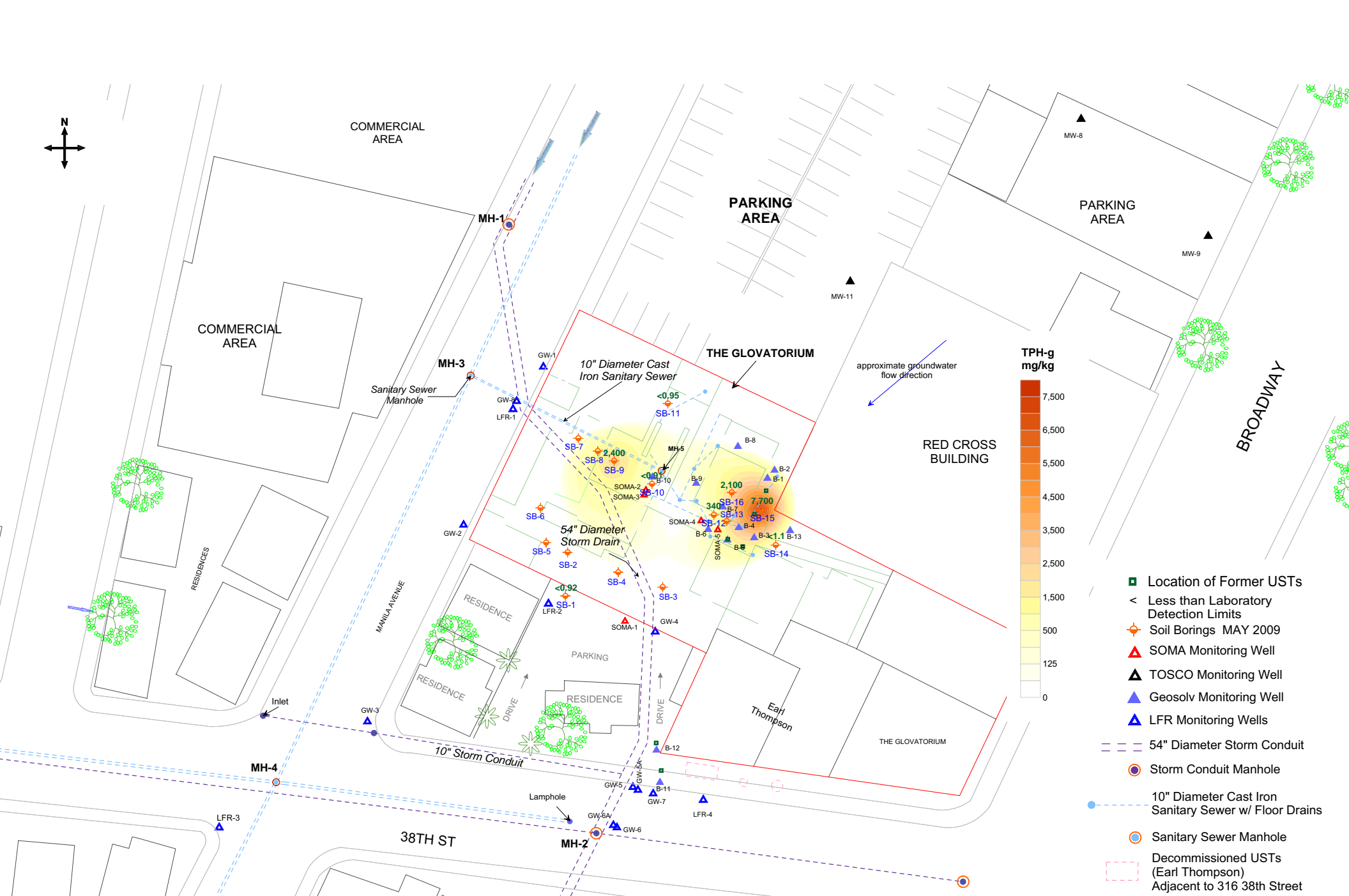


Figure 7: Contour Map of TPH-g Concentration in Soil at 5 Feet BGS

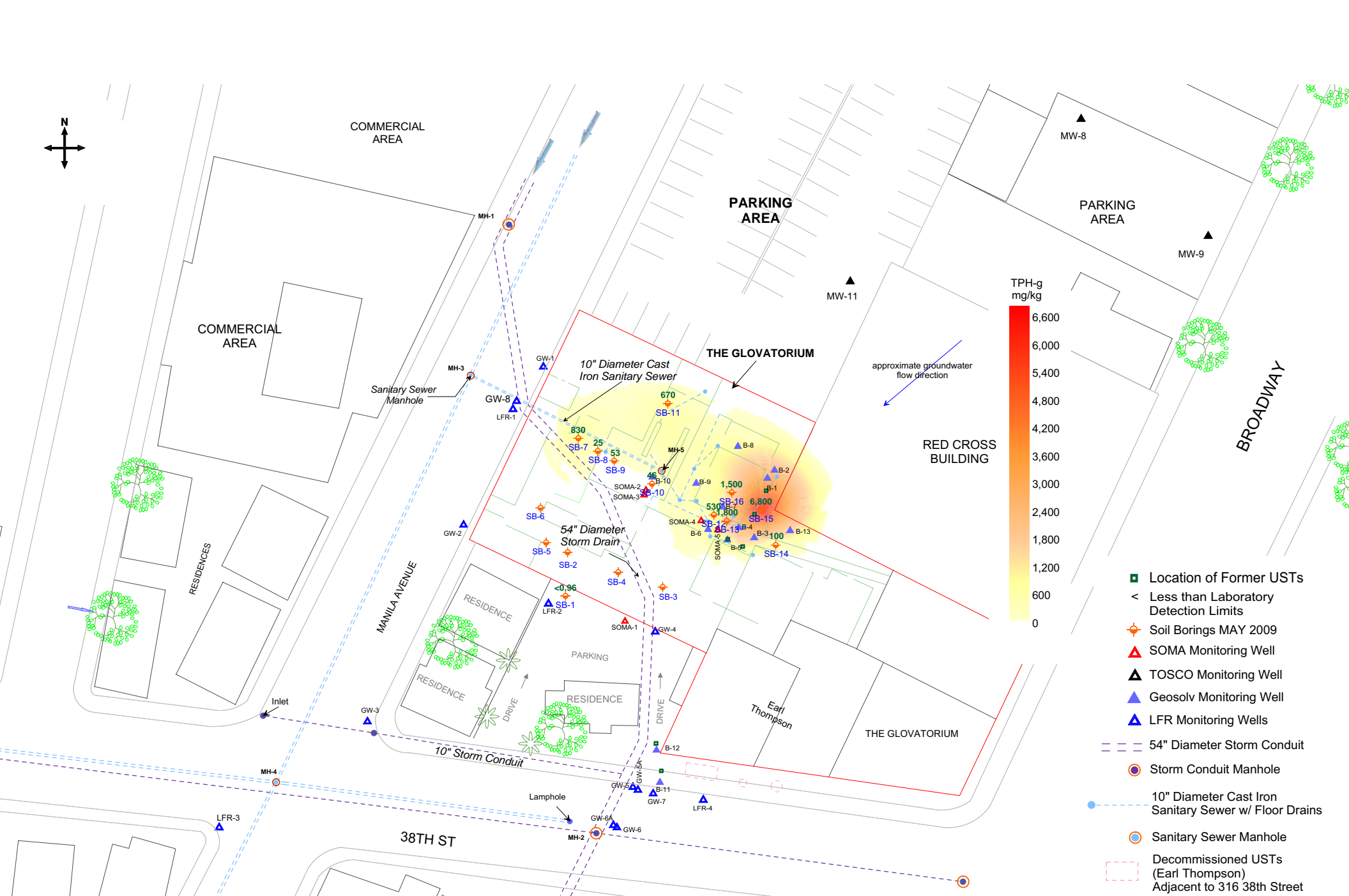


Figure 8: Contour Map of TPH-g Concentration in Soil at 8 Feet bgs

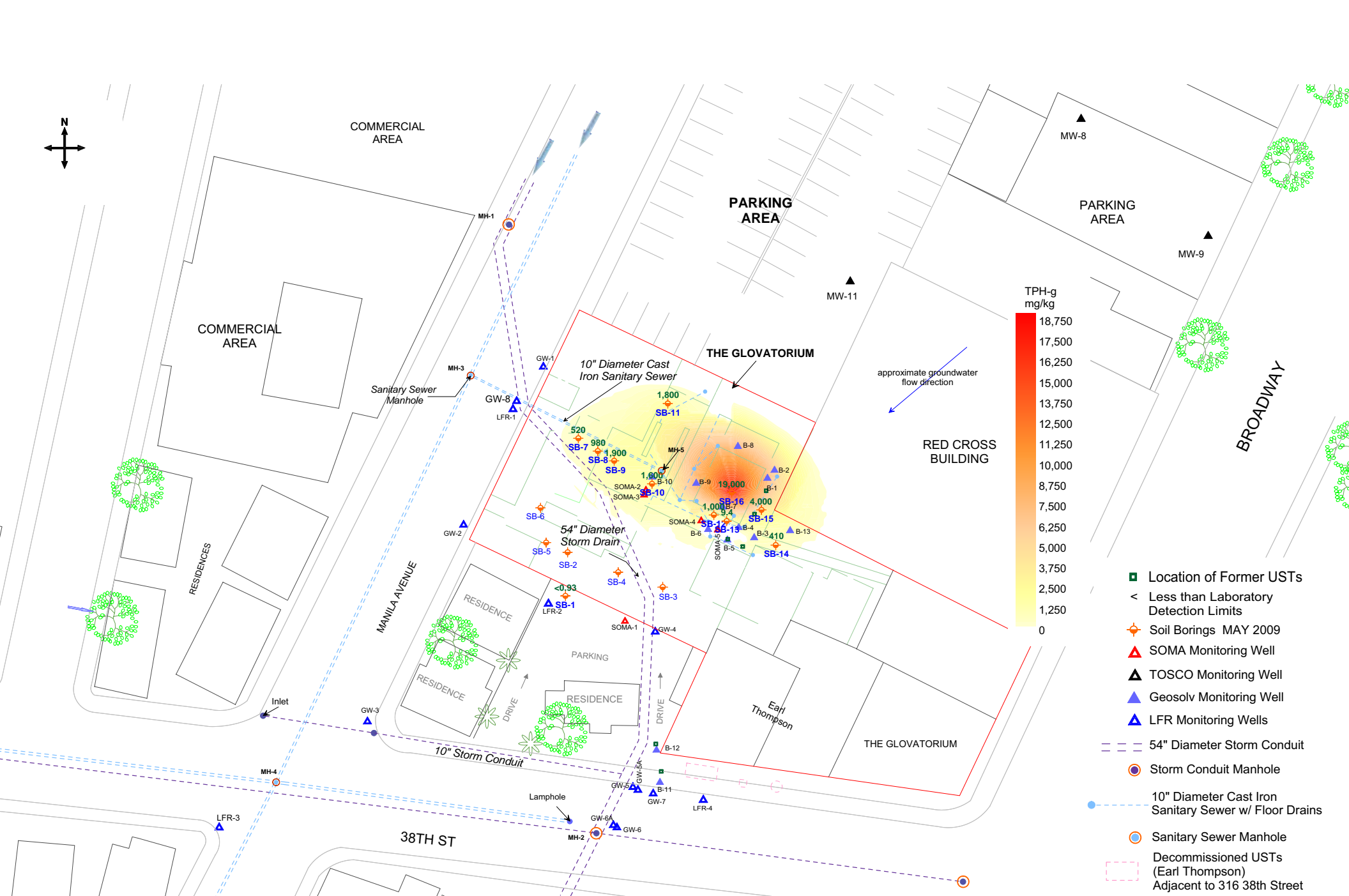


Figure 9: Contour map showing TPH-g concentration in soil at 10 feet bgs

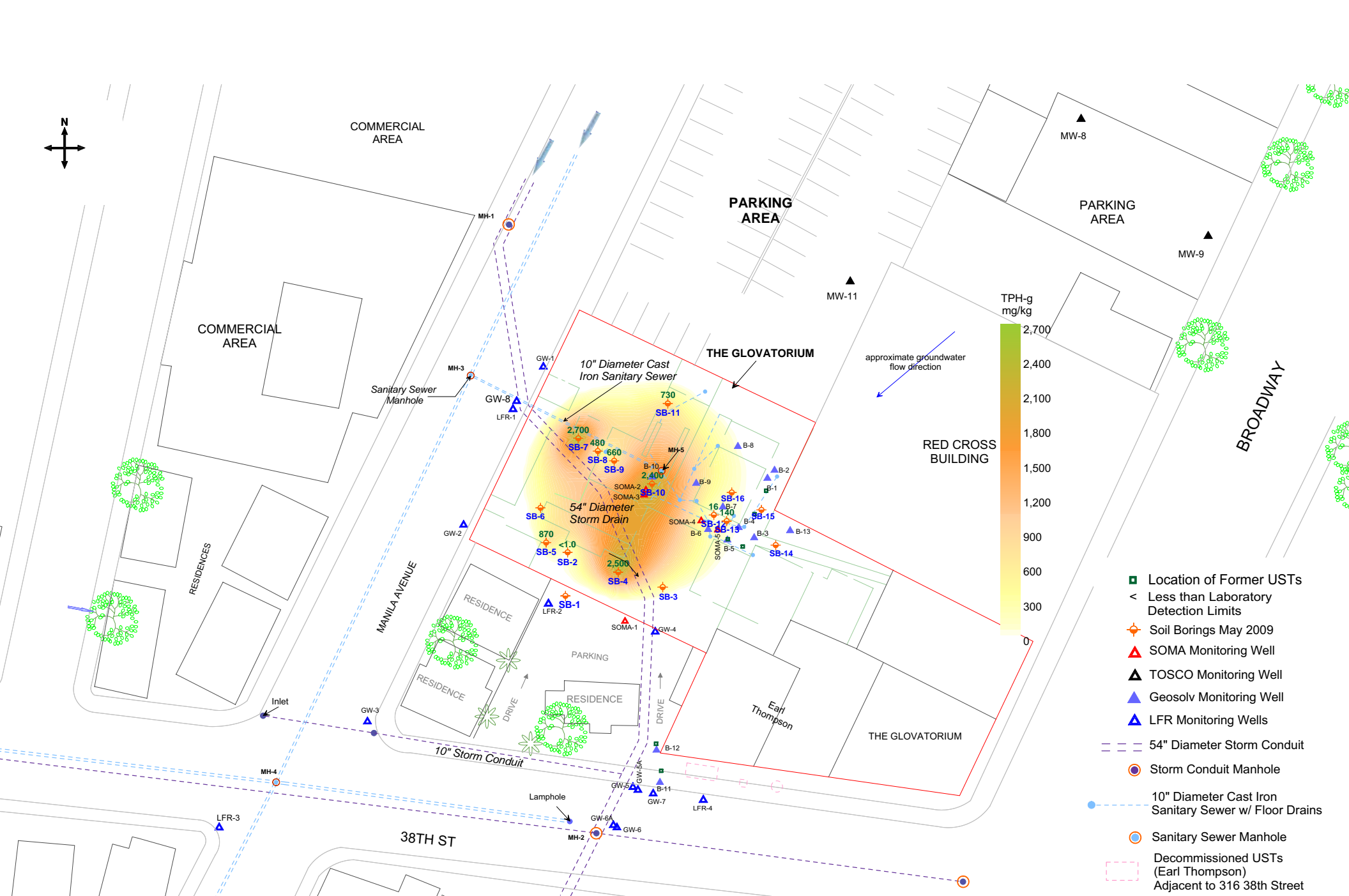


Figure 10: Contour map showing TPH-g concentrations in Soil at 12 to 13 feet bgs

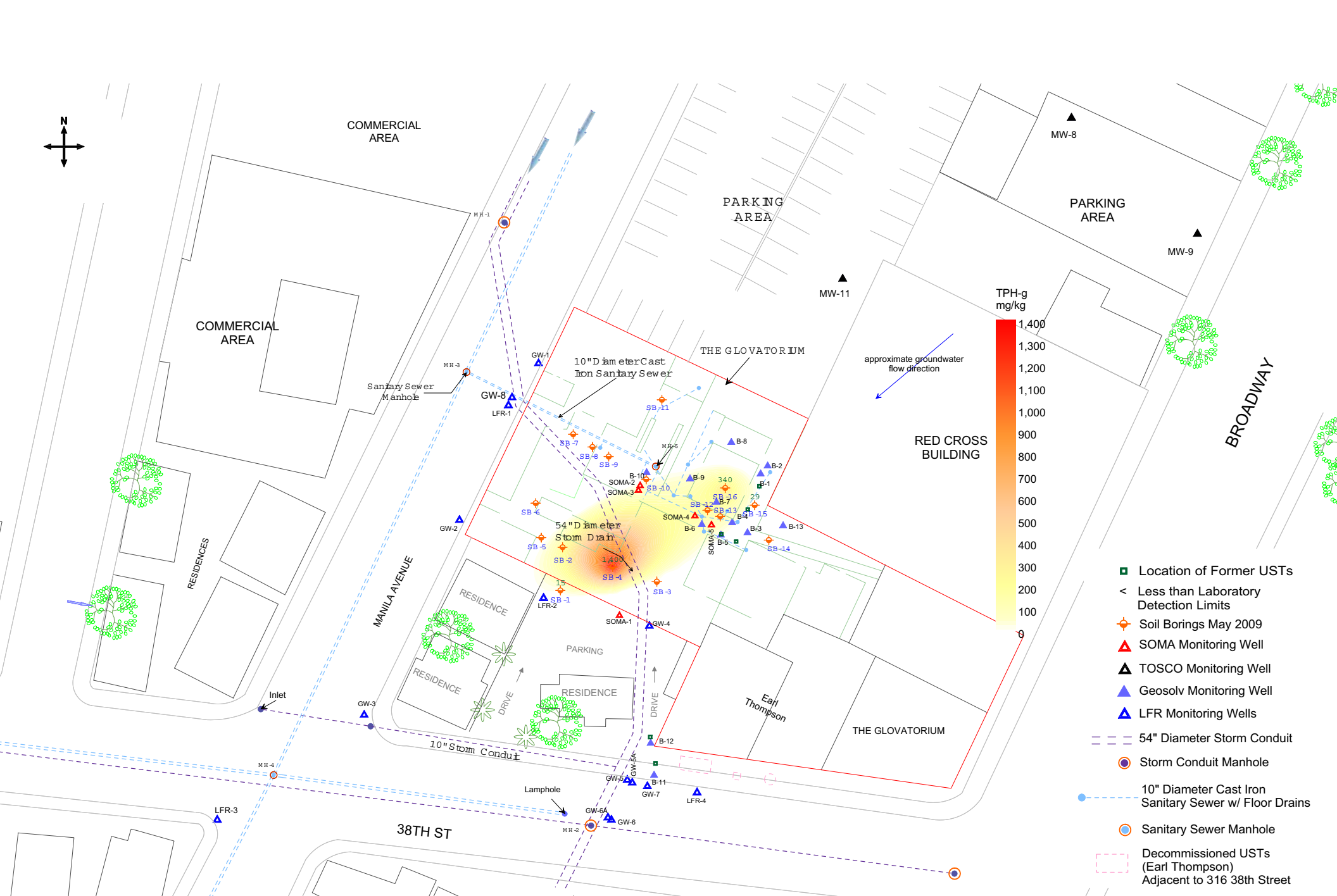


Figure 11: Contour map showing TPH-g concentration in Soil at 14 to 15 feet bgs

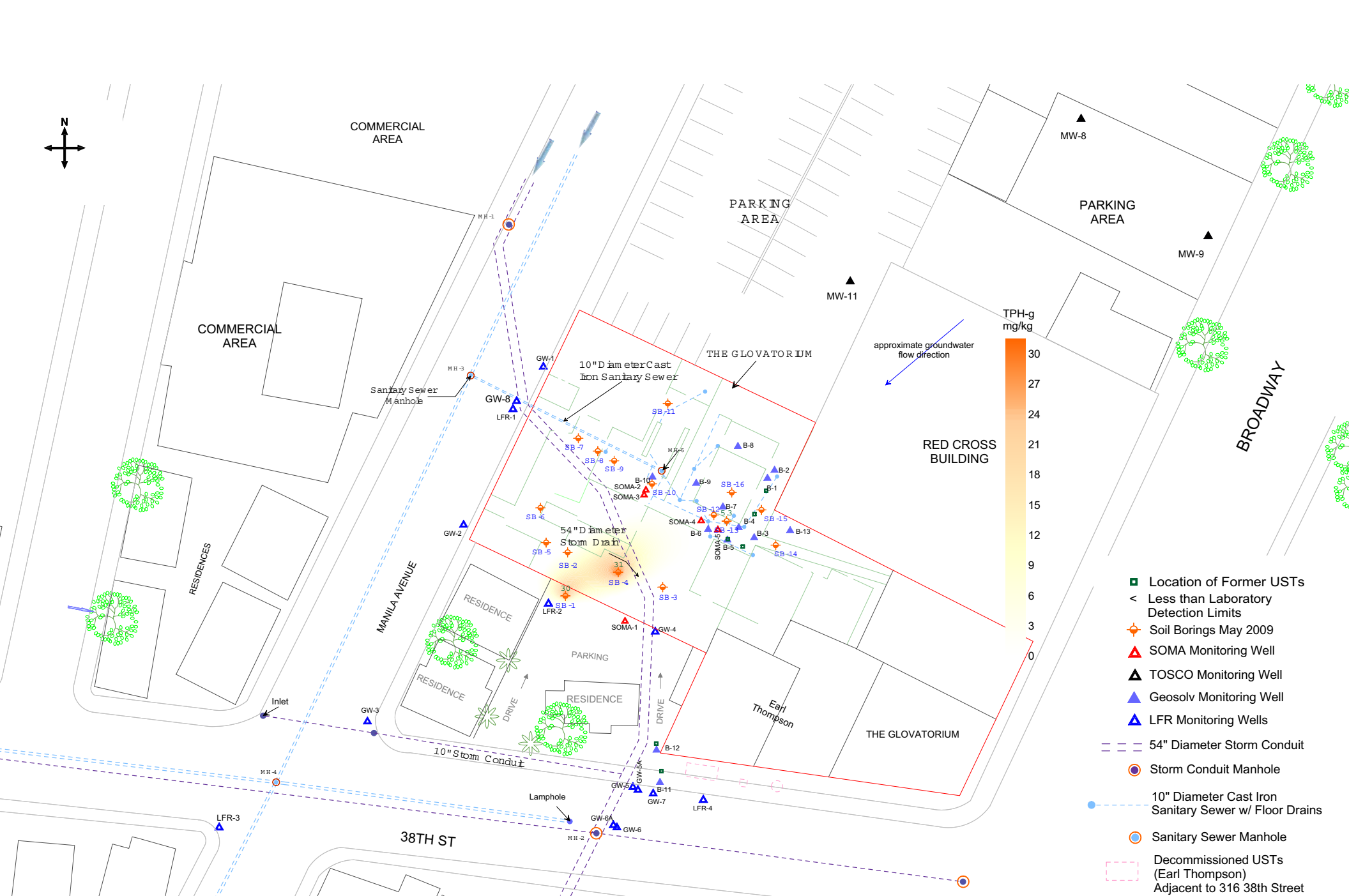
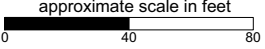


Figure 12: Contour map showing TPH-g concentration in Soil at 16 to 18 feet bgs



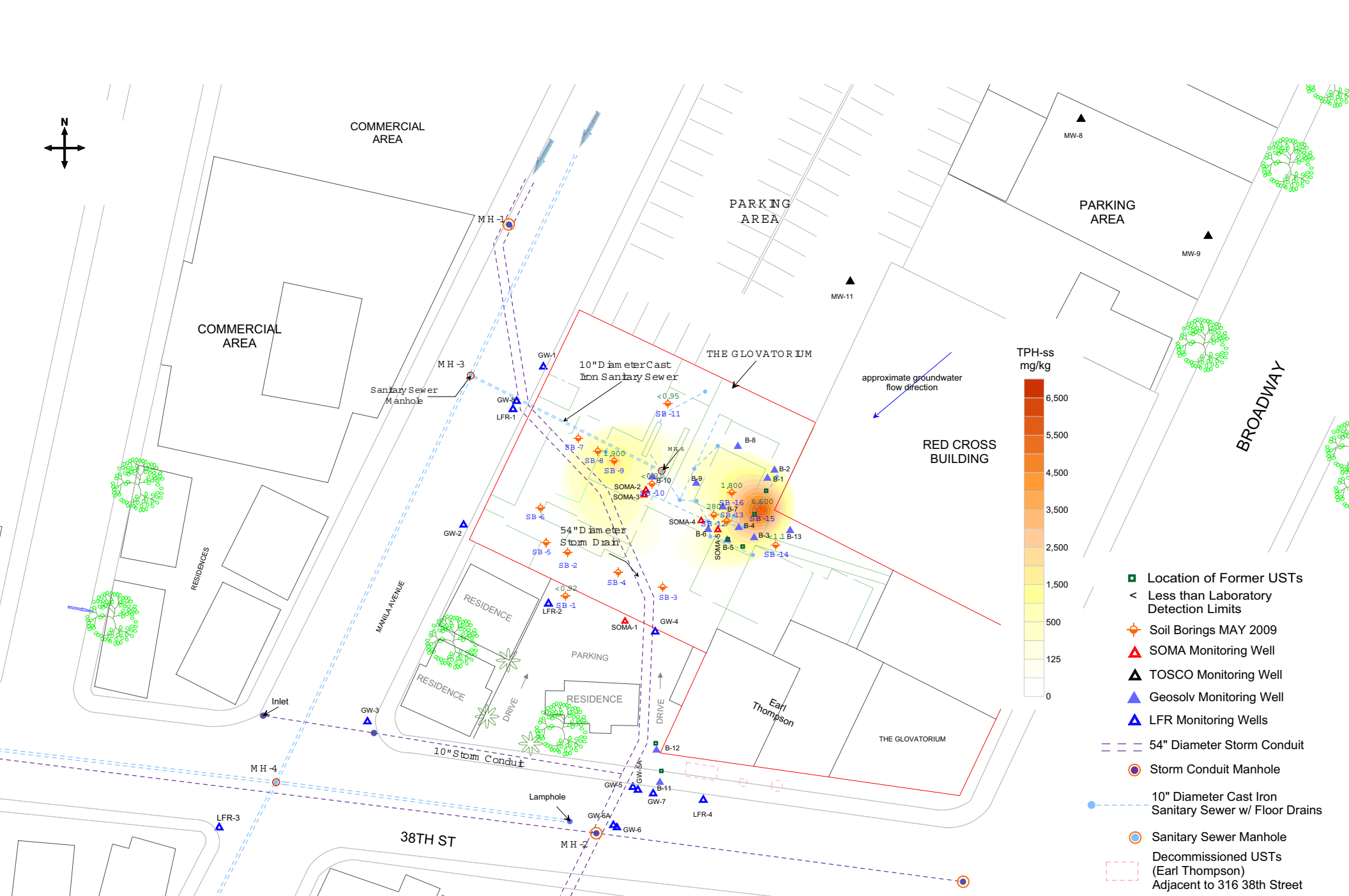
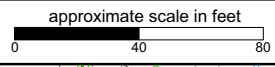


Figure 13: Contour Map of TPH-ss Concentration in Soil at 5 Feet BGS



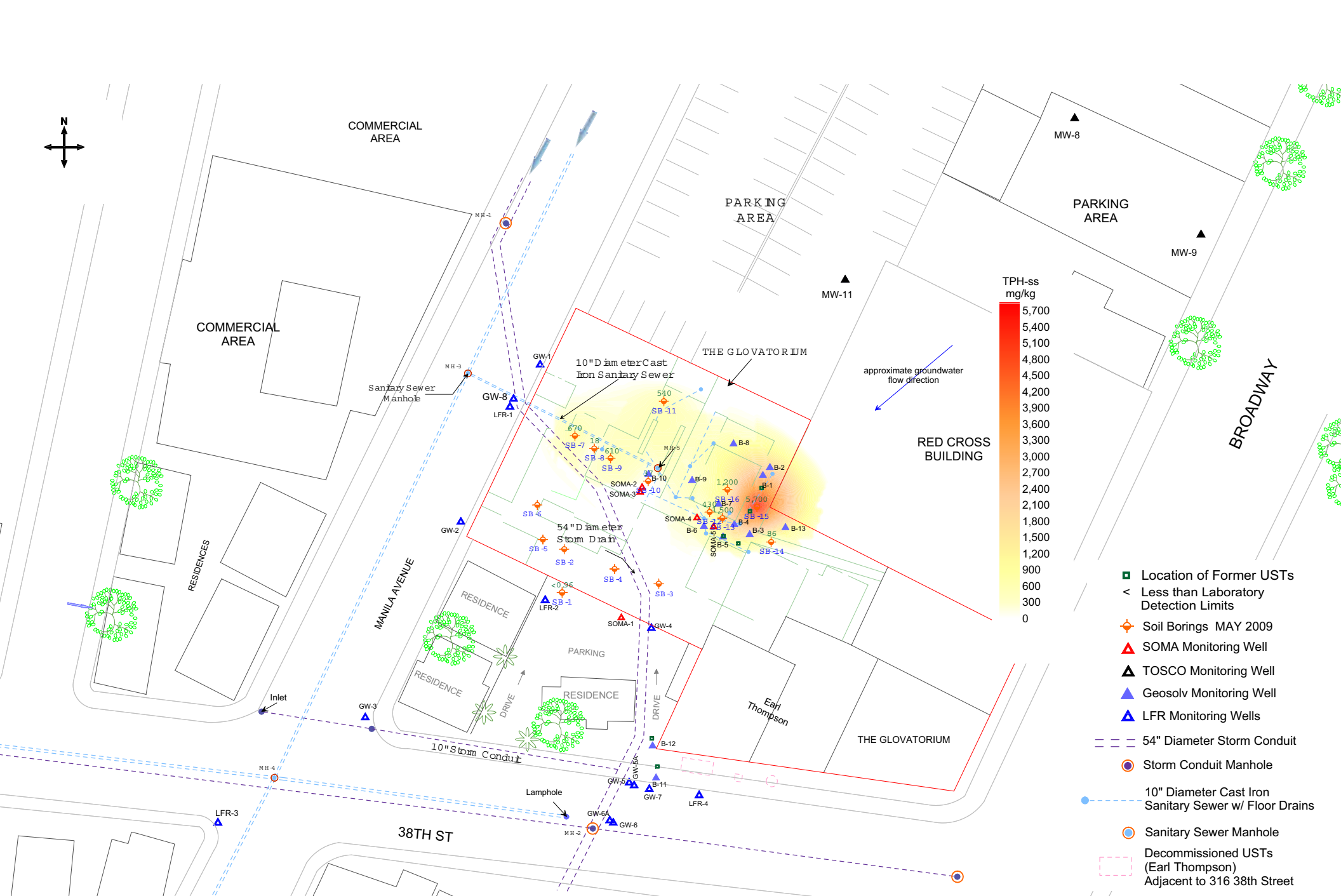


Figure 14: Contour Map of TPH-ss in Soil at 8 Feet bgs

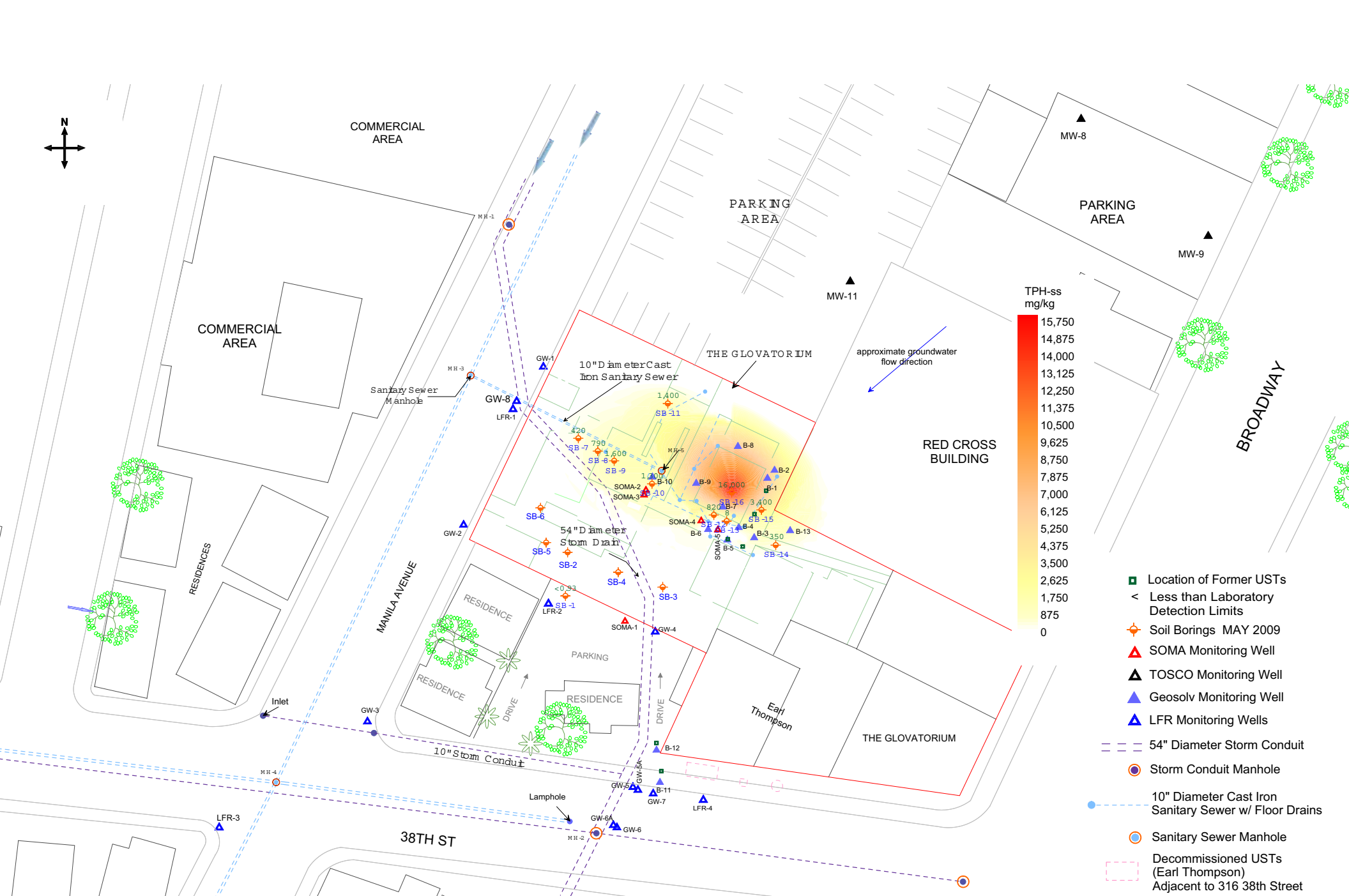


Figure 15: Contour map showing TPH-ss Concentration in Soil at 10 Feet BGS

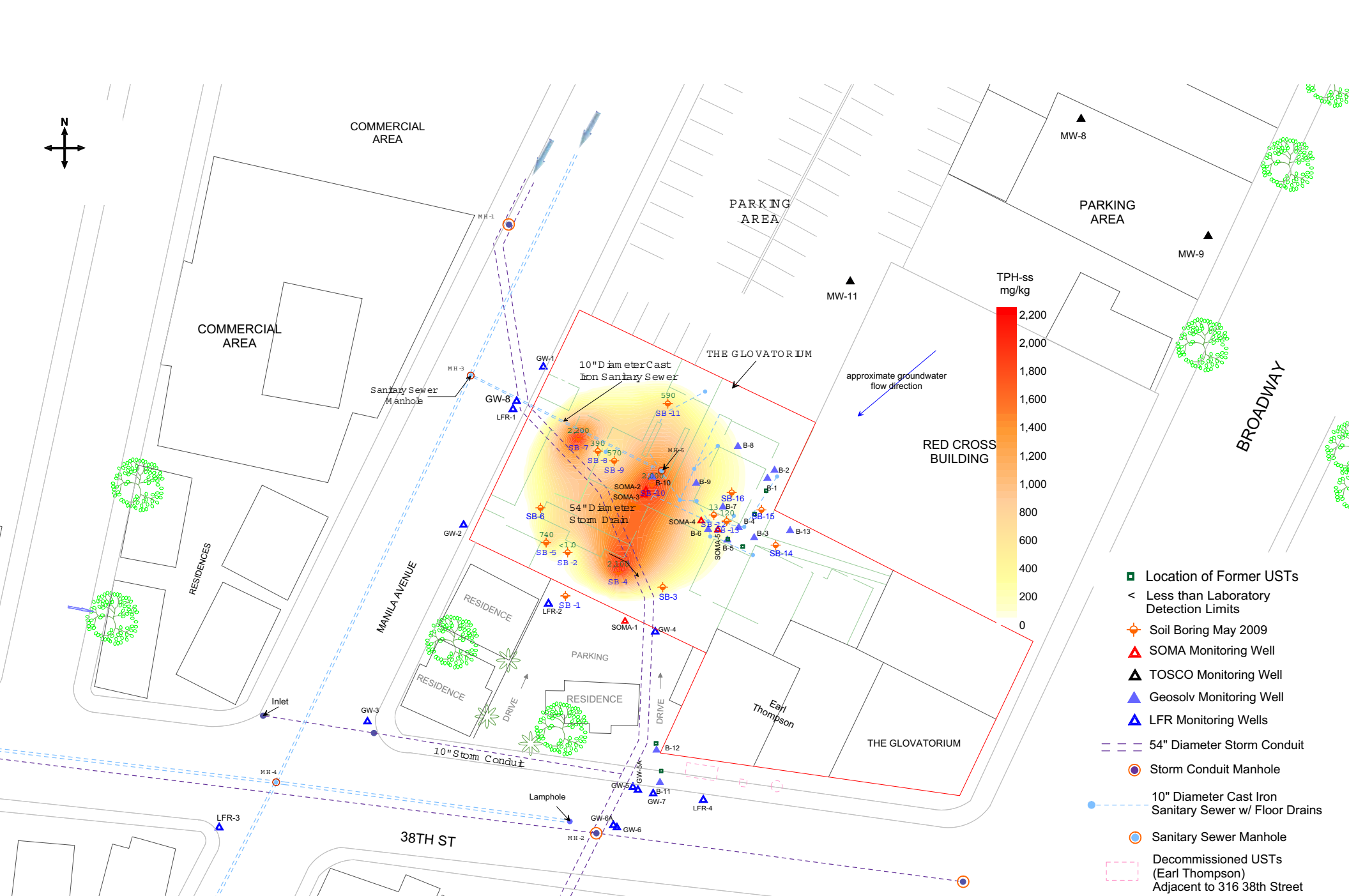


Figure 16: Contour map showing TPH-ss concentrations in Soil at 12 to 13 feet bgs

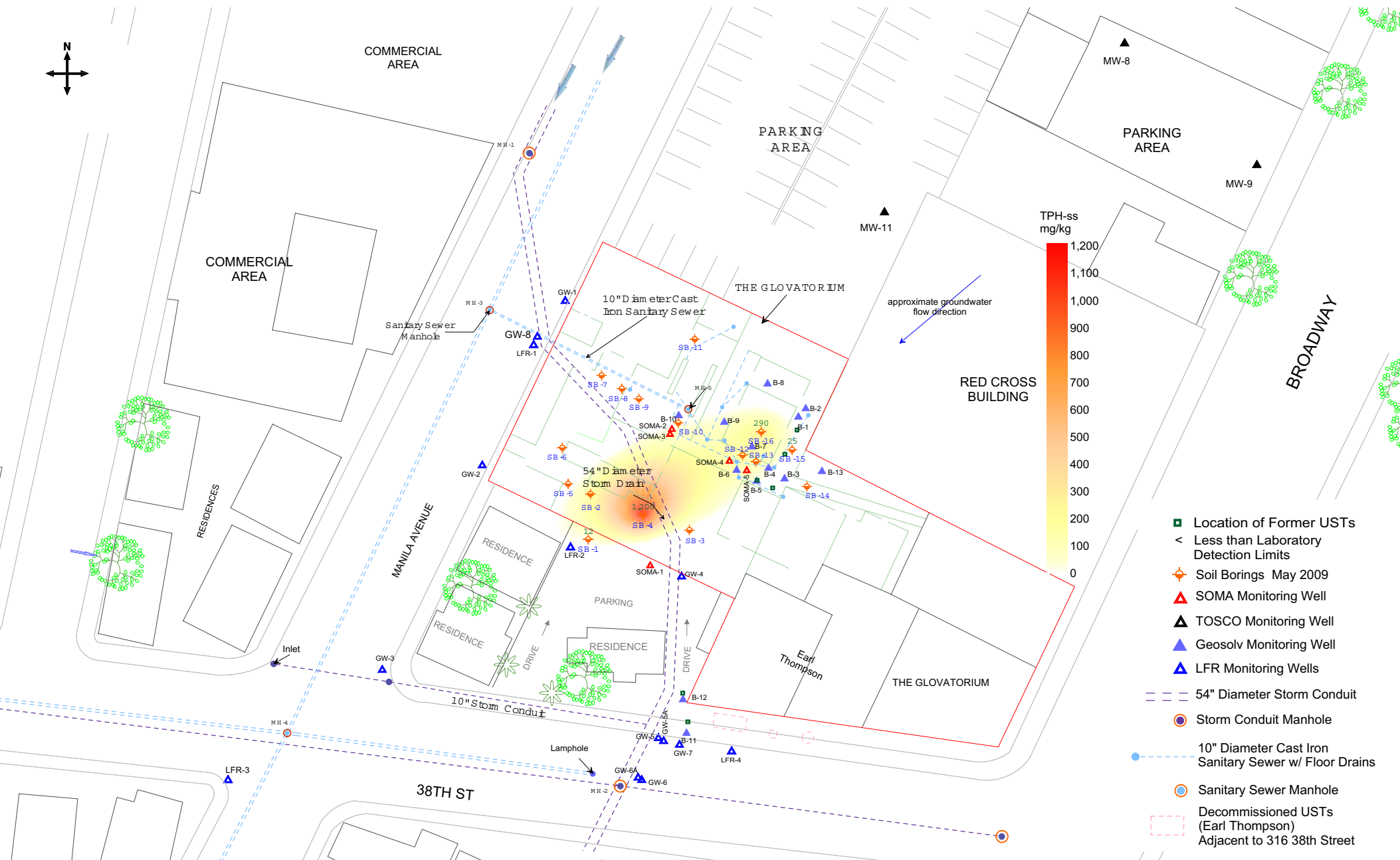


Figure 17: Contour map showing TPH-ss concentration in Soil at 14 to 15 feet bgs

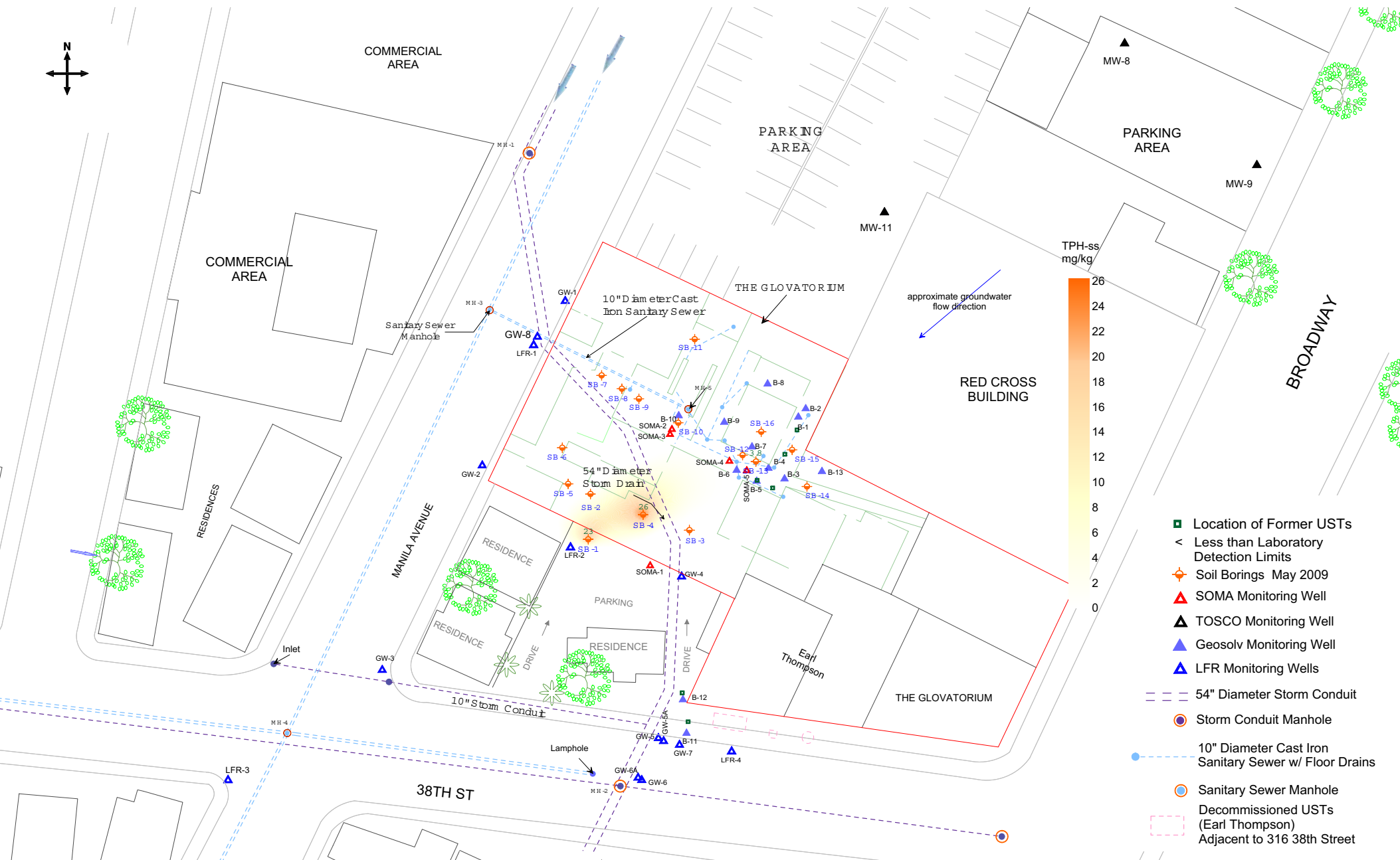


Figure 18: Contour map showing TPH-ss concentration in Soil at 16 to 18 feet bgs

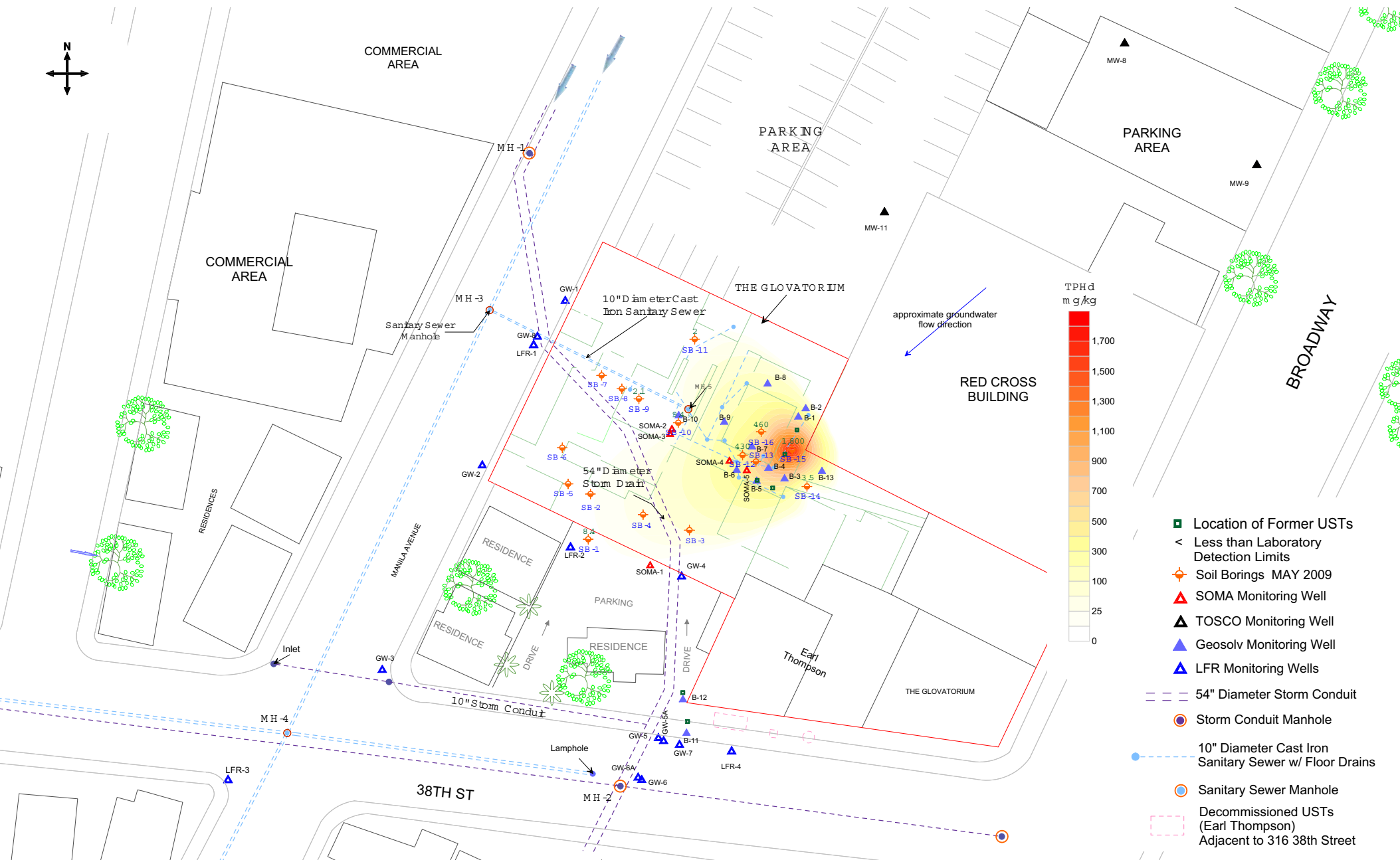


Figure 19: Contour Map of TPH-d in Soil at 5 Feet BGS

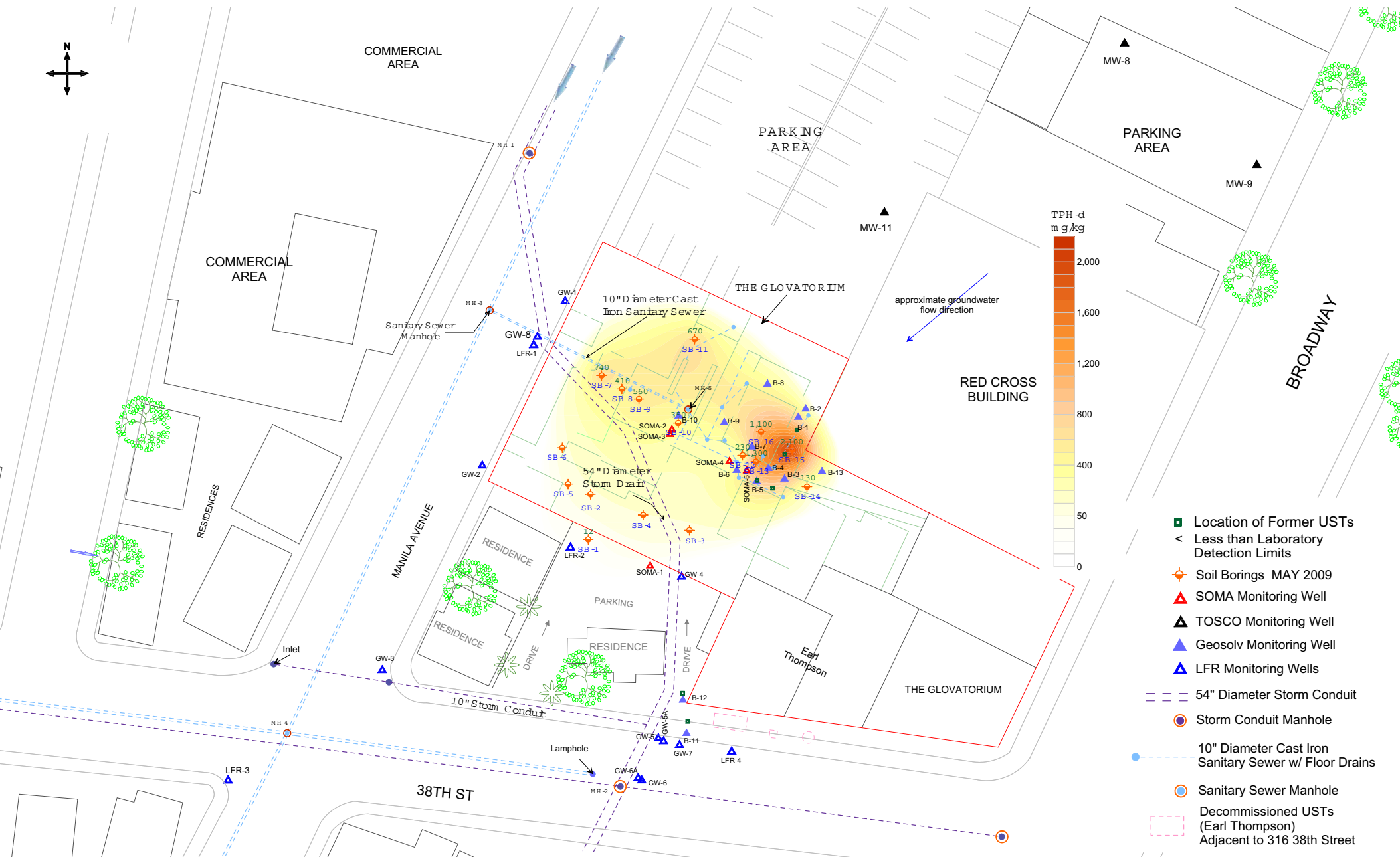


Figure 20: Contour Map of TPH-d Concentration in Soil at 8 Feet bgs

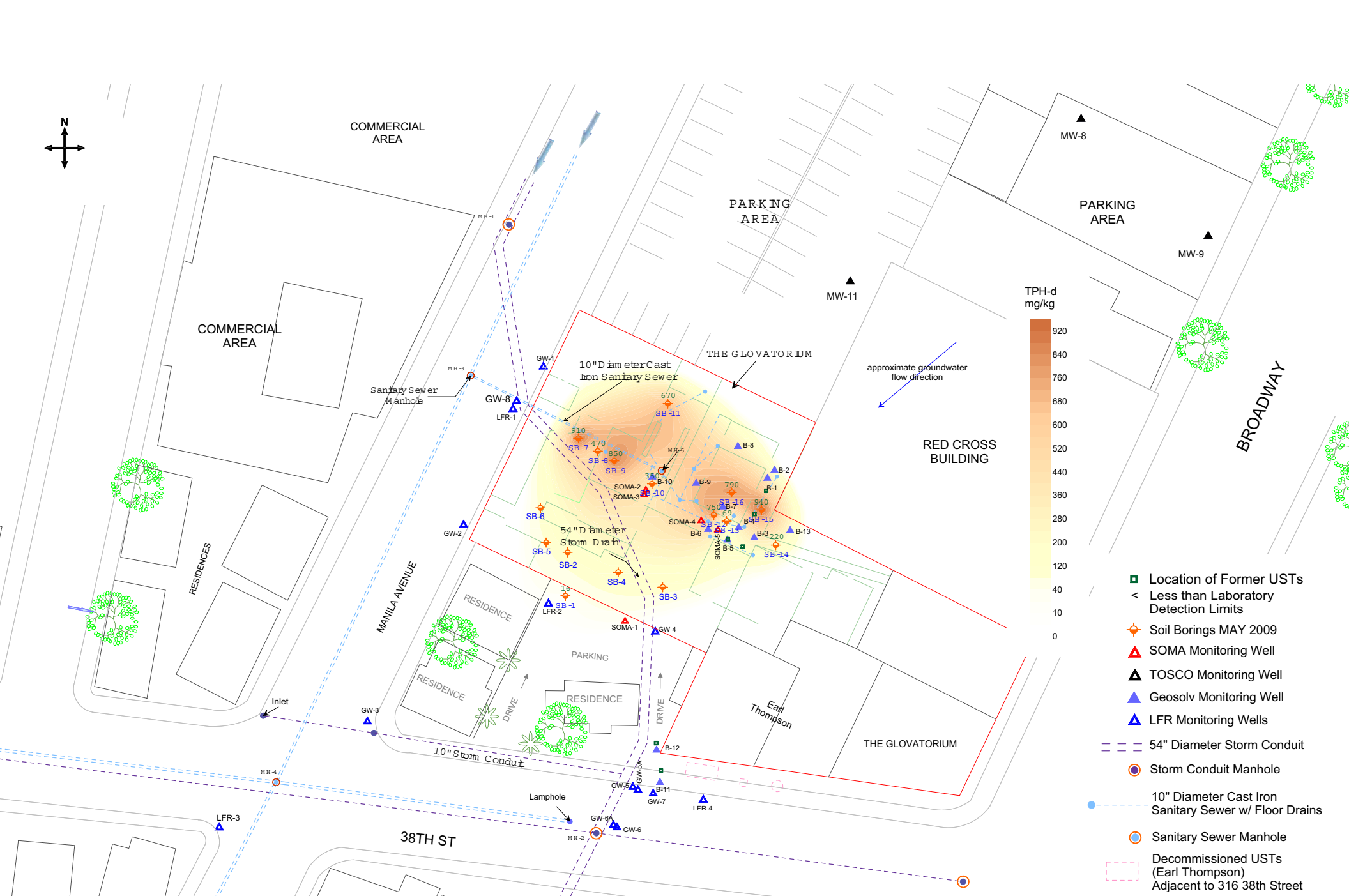


Figure 21: Contour map showing TPH-d Concentration in Soil at 10 Feet BGS

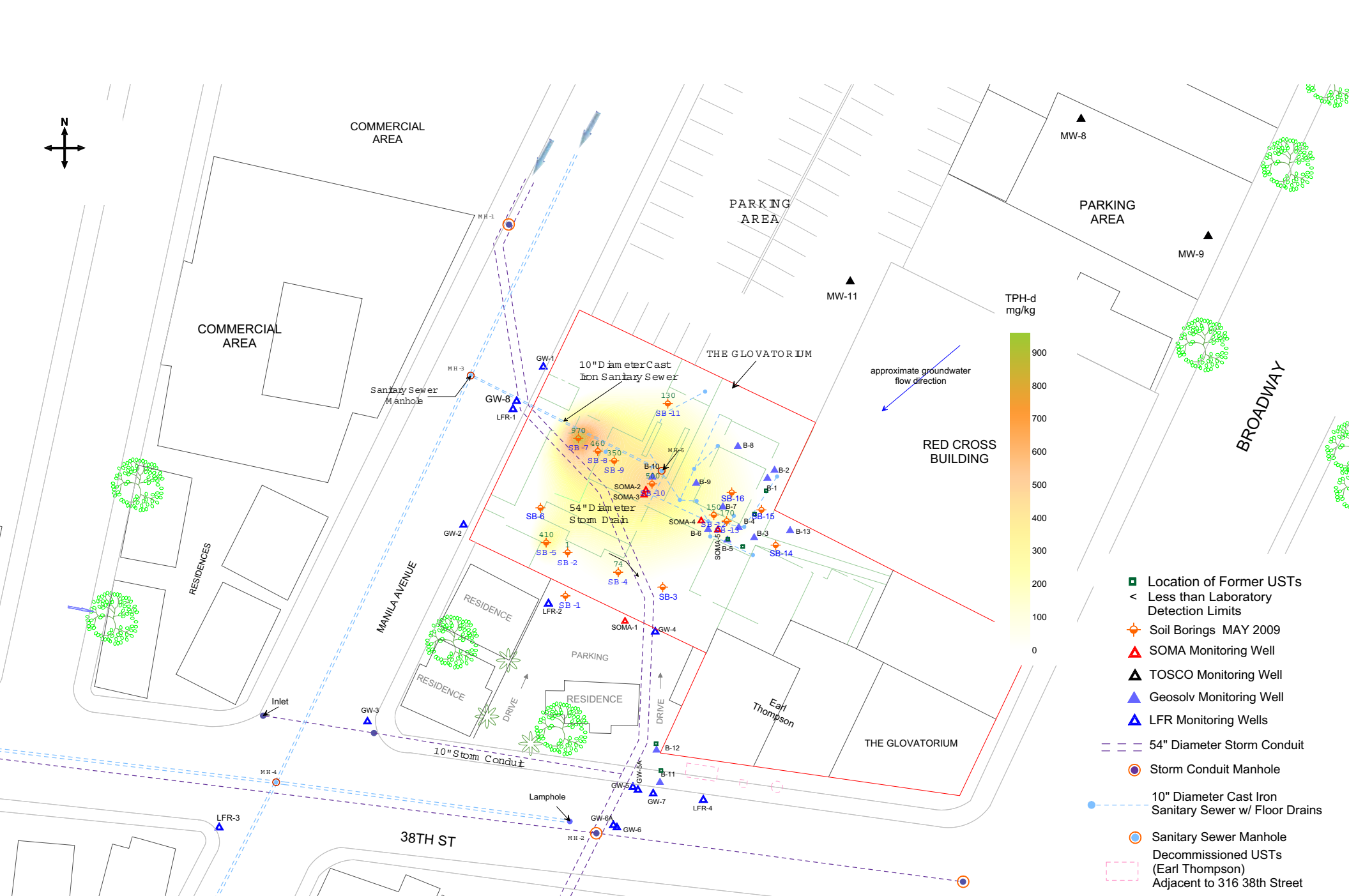


Figure 22: Contour map showing TPH-d concentrations in Soil at 12 to 13 feet bgs

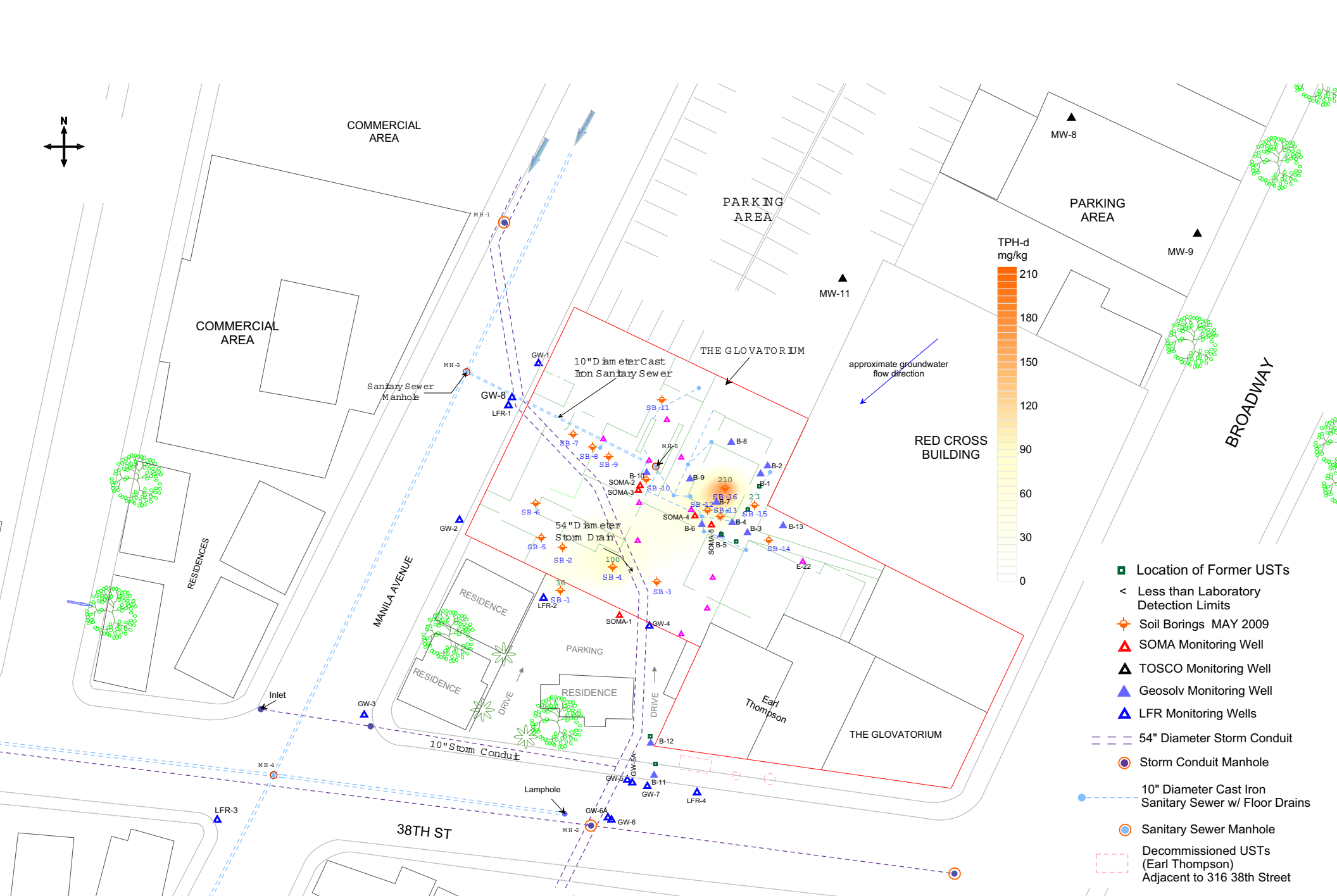


Figure 23: Contour map showing TPH-d concentration in Soil at 14 to 15 feet bgs

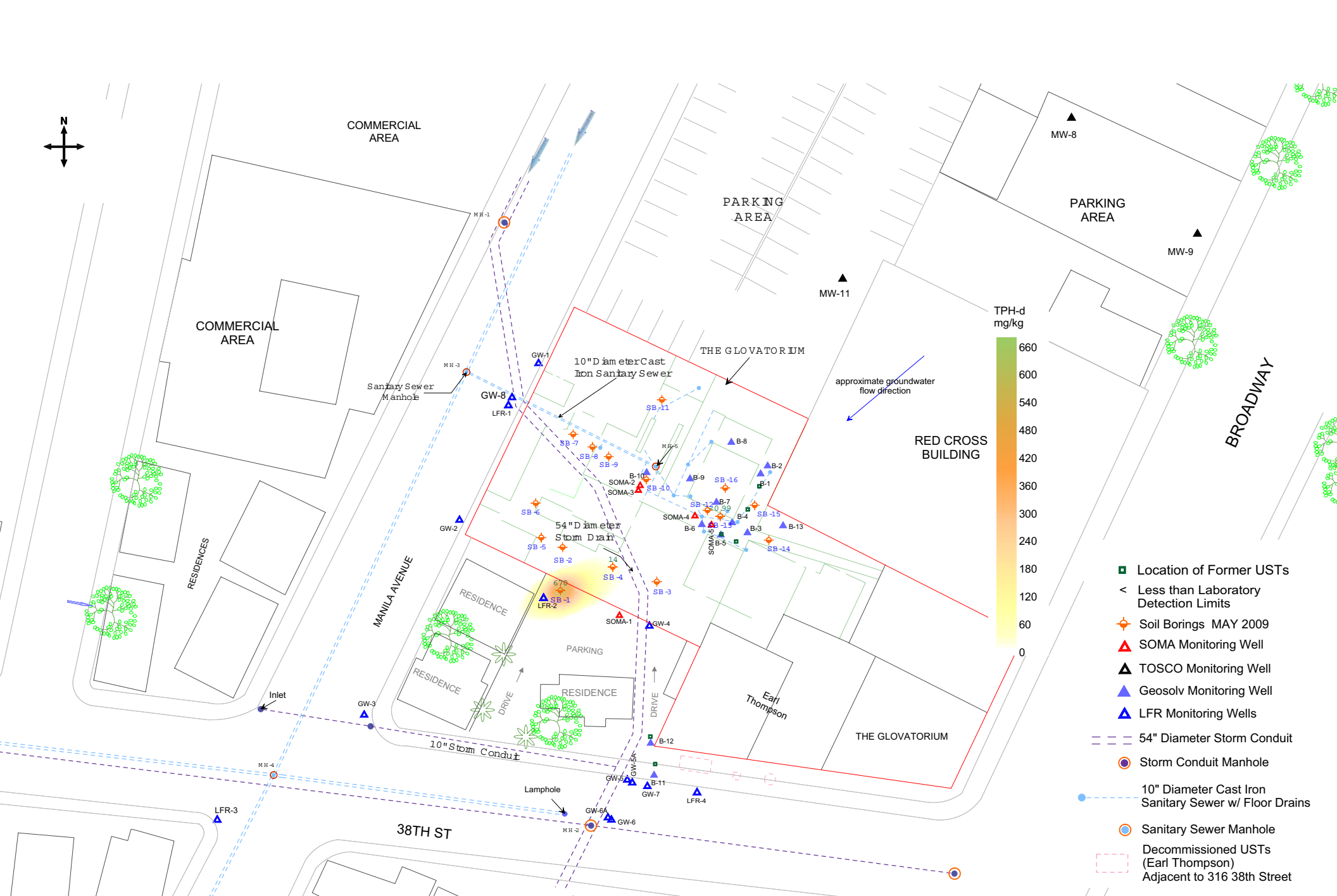
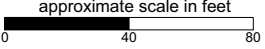


Figure 24: Contour map showing TPH-d concentration in Soil at 16 to 18 feet bgs



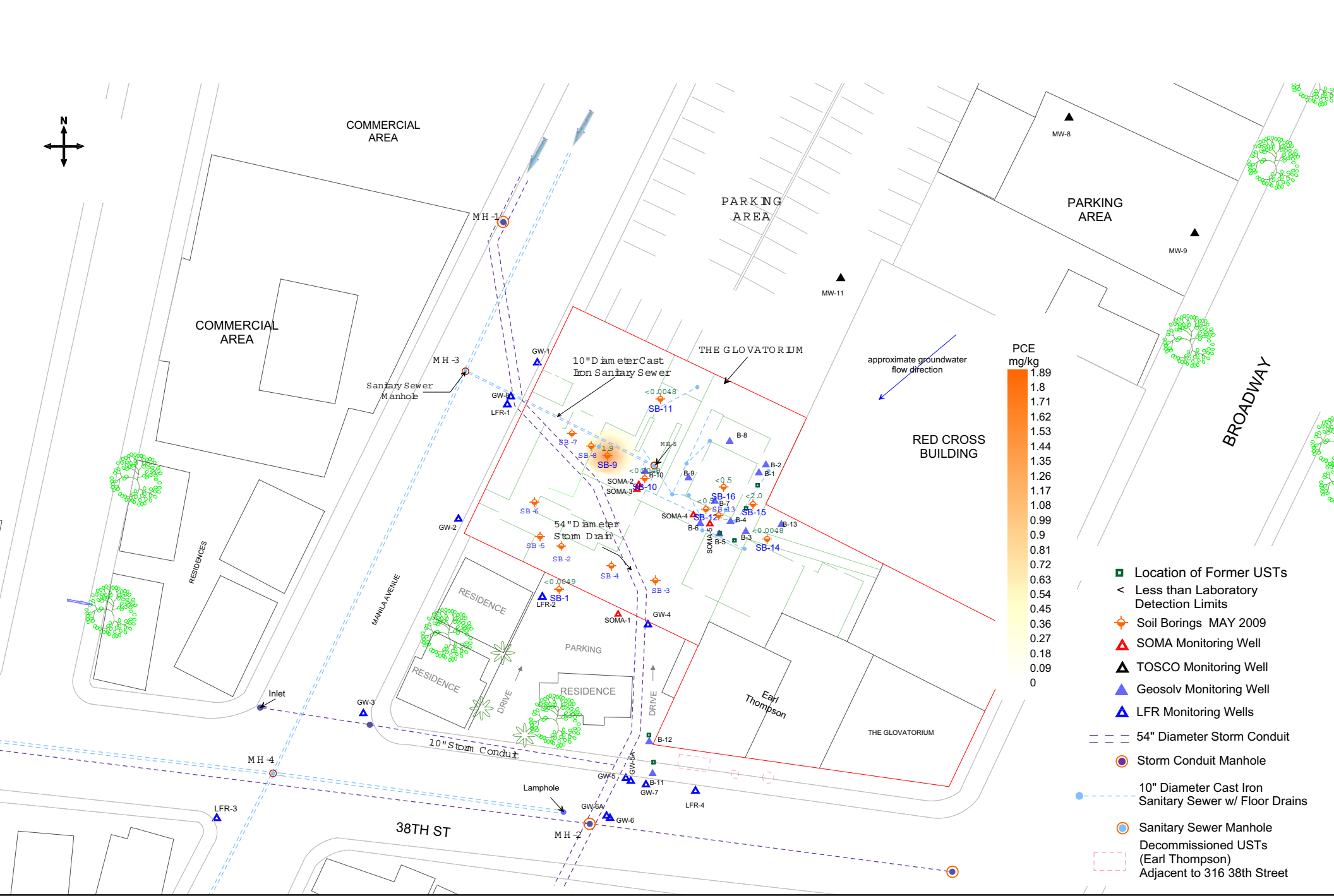


Figure 25: Contour Map of PCE Concentration in Soil at 5 Feet BGS

- Location of Former USTs
- < Less than Laboratory Detection Limits
- ◆ Soil Borings MAY 2009
- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- 54" Diameter Storm Conduit
- Storm Conduit Manhole
- 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Sanitary Sewer Manhole
- Decommissioned USTs (Earl Thompson) Adjacent to 316 38th Street

PCE mg/kg

1.89
1.8
1.71
1.62
1.53
1.44
1.35
1.26
1.17
1.08
0.99
0.9
0.81
0.72
0.63
0.54
0.45
0.36
0.27
0.18
0.09
0



approximate scale in feet

0 40 80

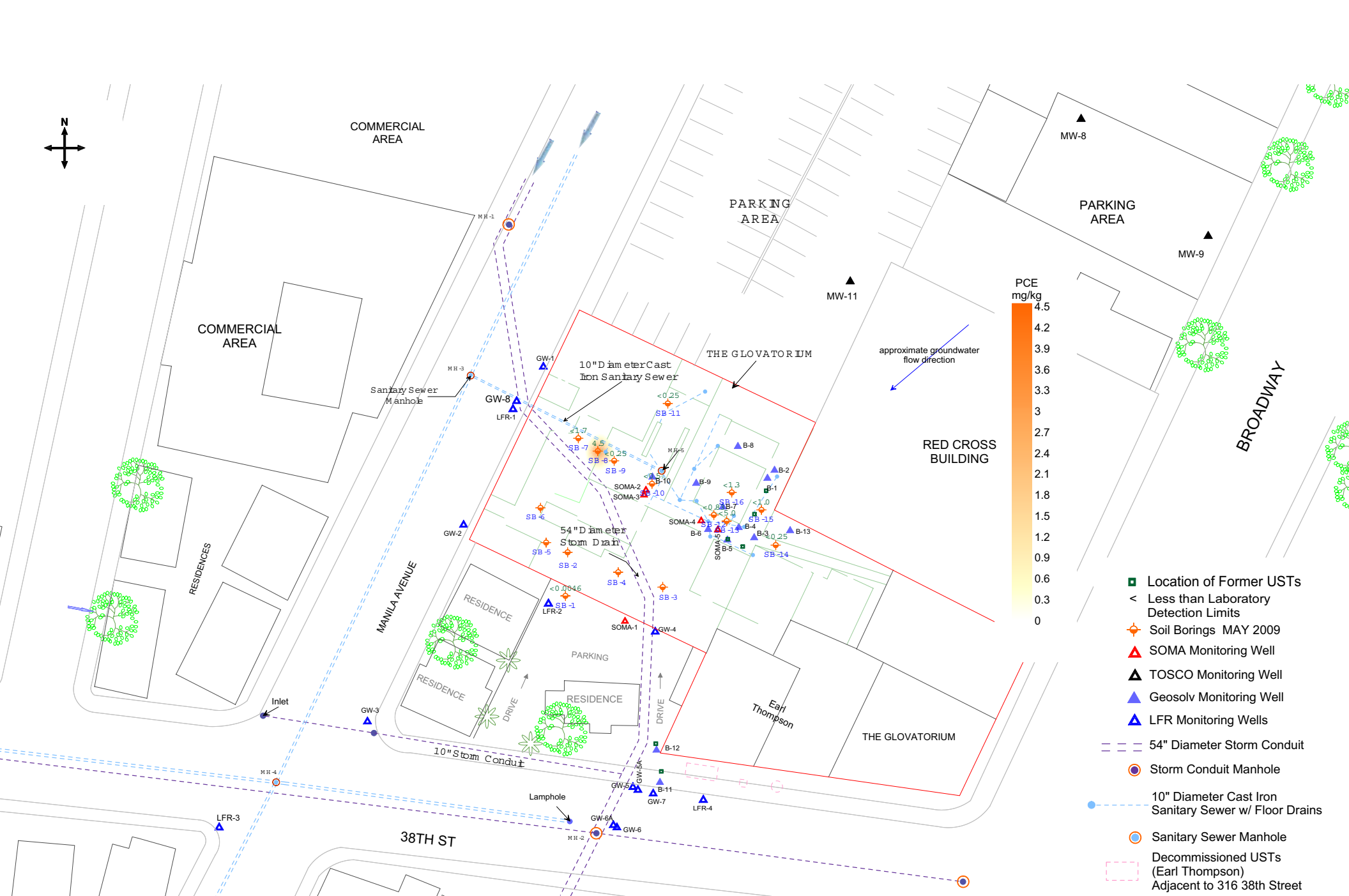
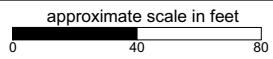
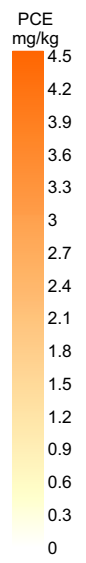


Figure 26: Contour map of PCE concentration in soil at 8 feet bgs



- Location of Former USTs
- < Less than Laboratory Detection Limits
- ◆ Soil Borings MAY 2009
- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- 54" Diameter Storm Conduit
- Storm Conduit Manhole
- 10" Diameter Cast Iron Sanitary Sewer w/ Floor Drains
- Sanitary Sewer Manhole
- Decommissioned USTs (Earl Thompson) Adjacent to 316 38th Street



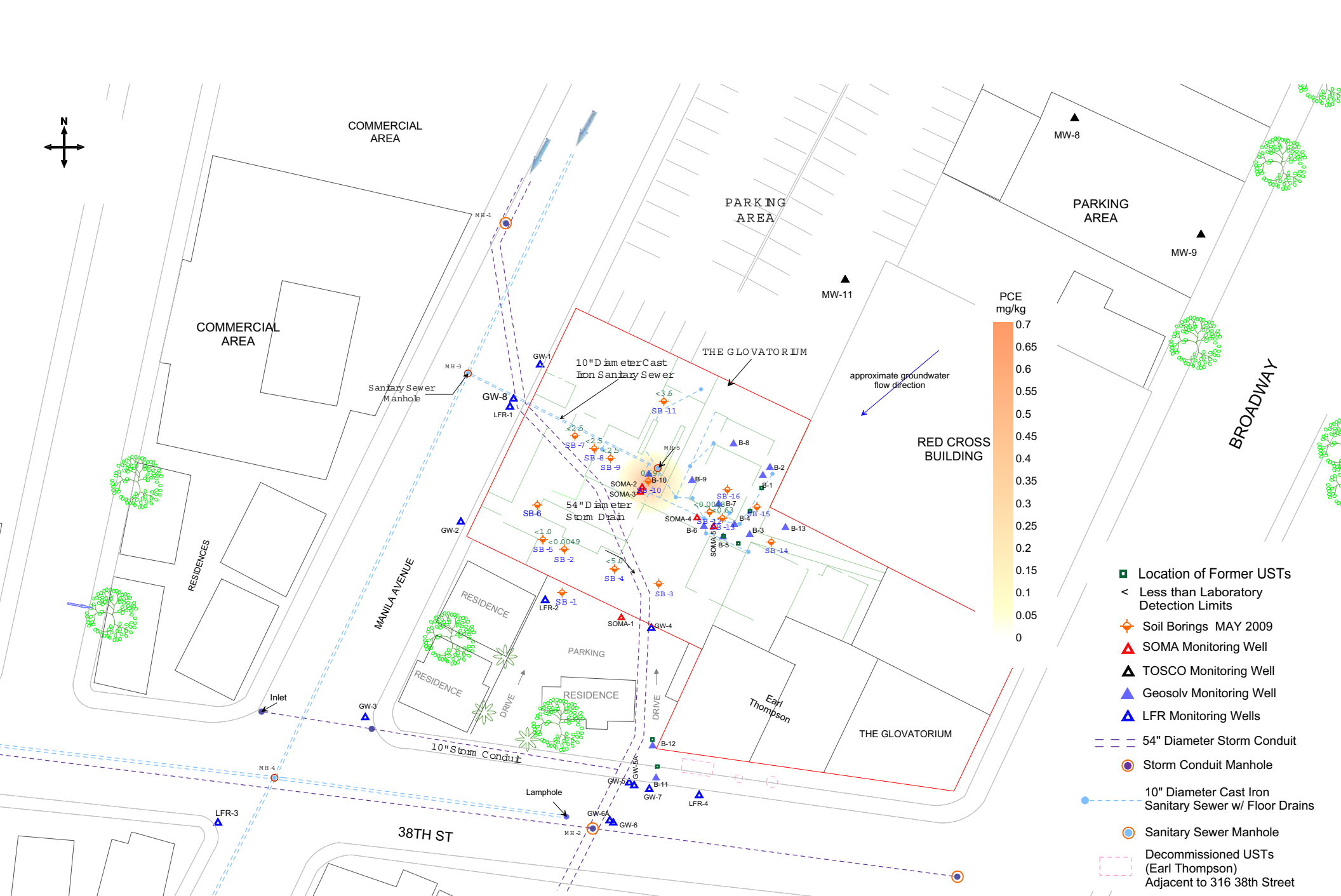


Figure 27: Contour map showing PCE concentrations in Soil at 12 to 13 feet bgs

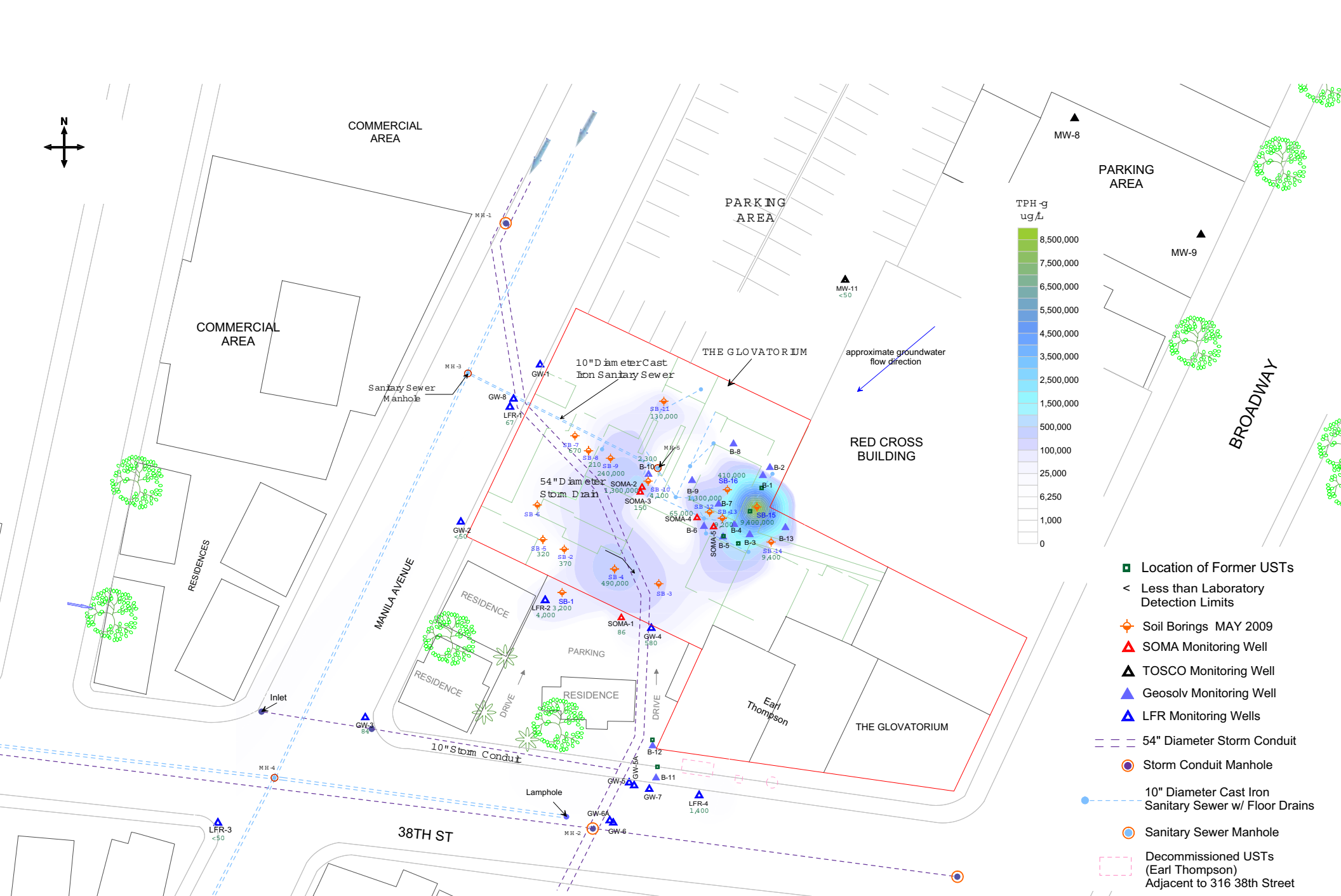


Figure 28: Contour map showing TPH-g concentration in groundwater

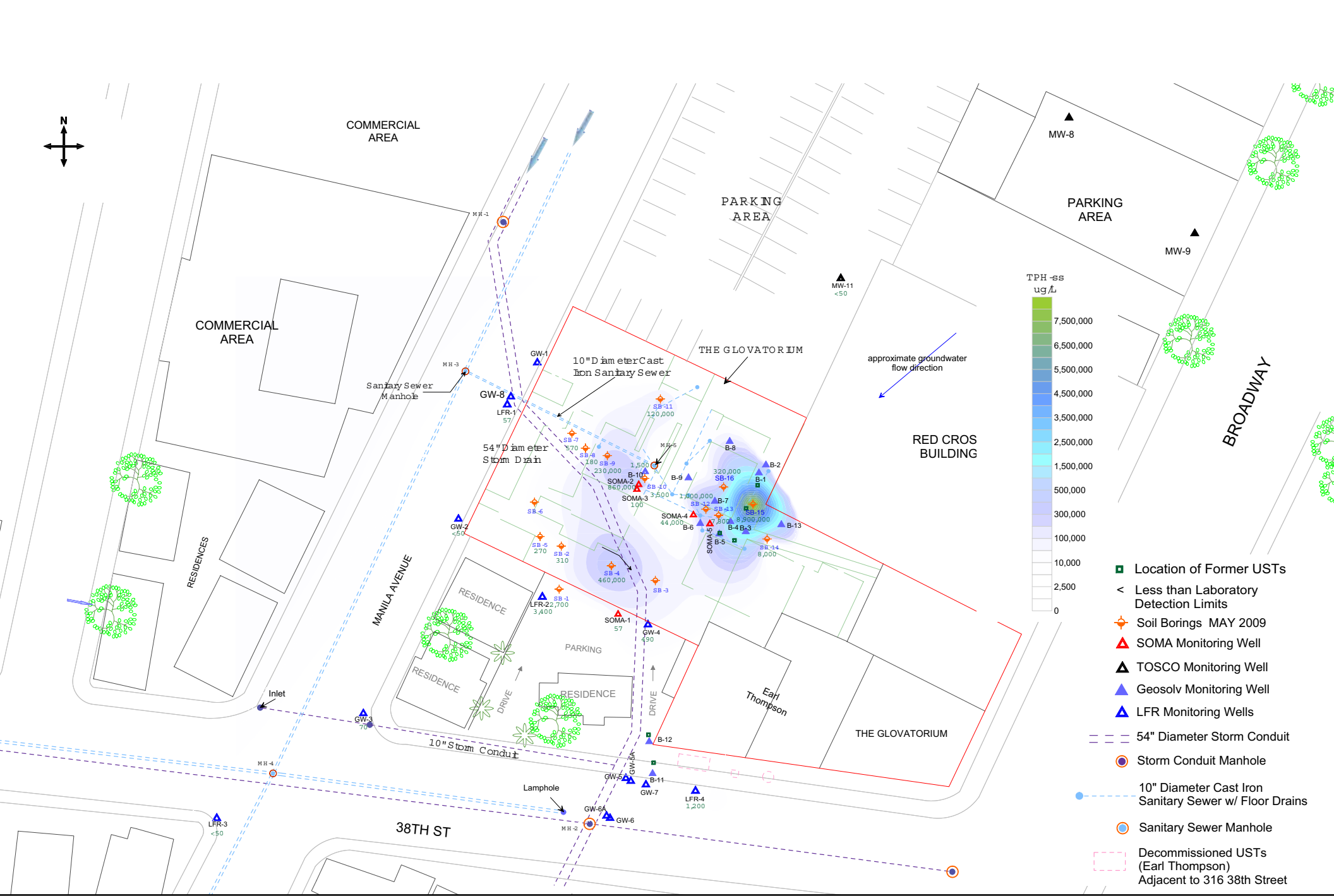


Figure 29: Contour map showing TPH-ss concentration in groundwater

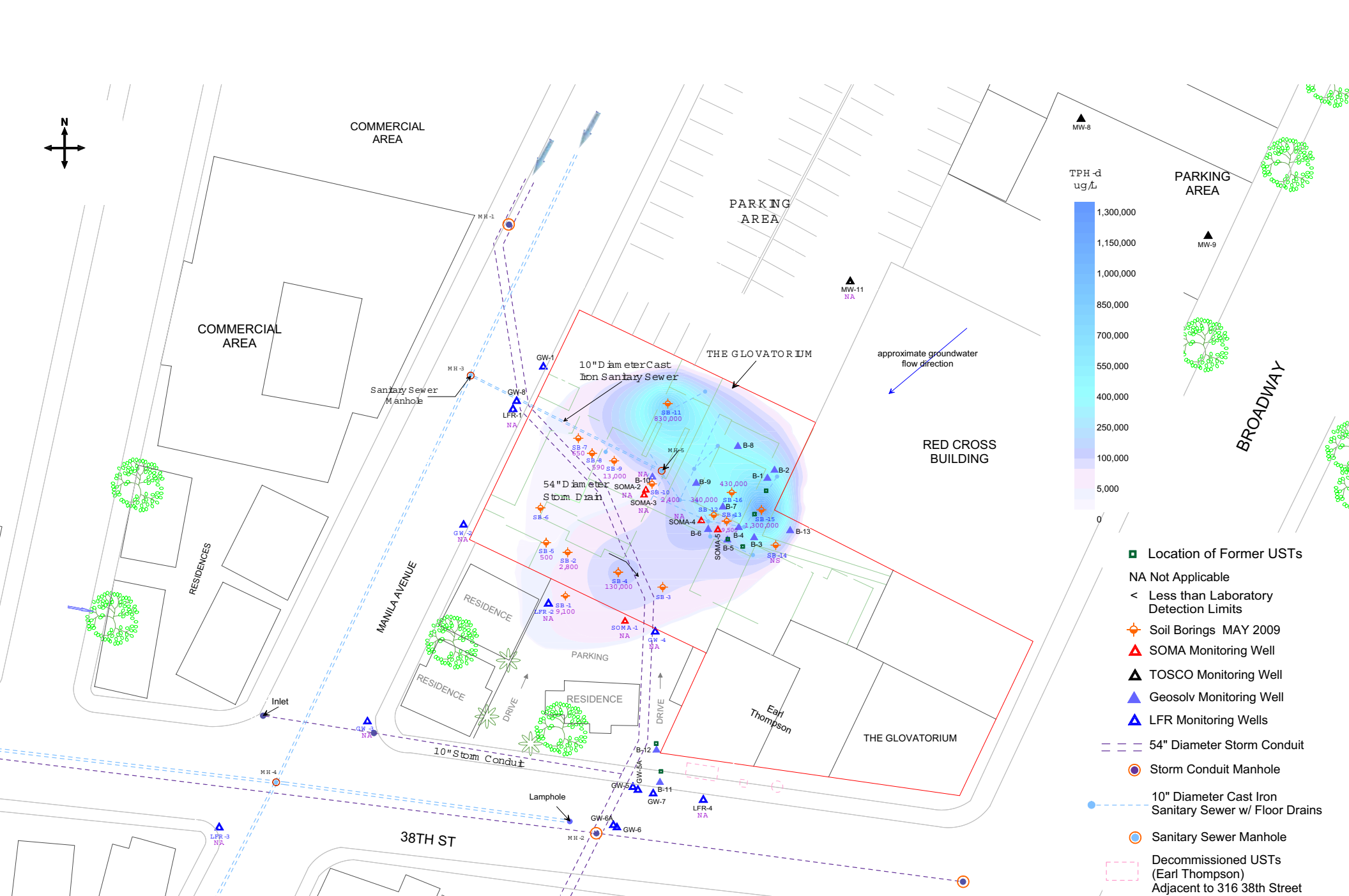


Figure 30: Contour map showing TPH-d concentration in groundwater

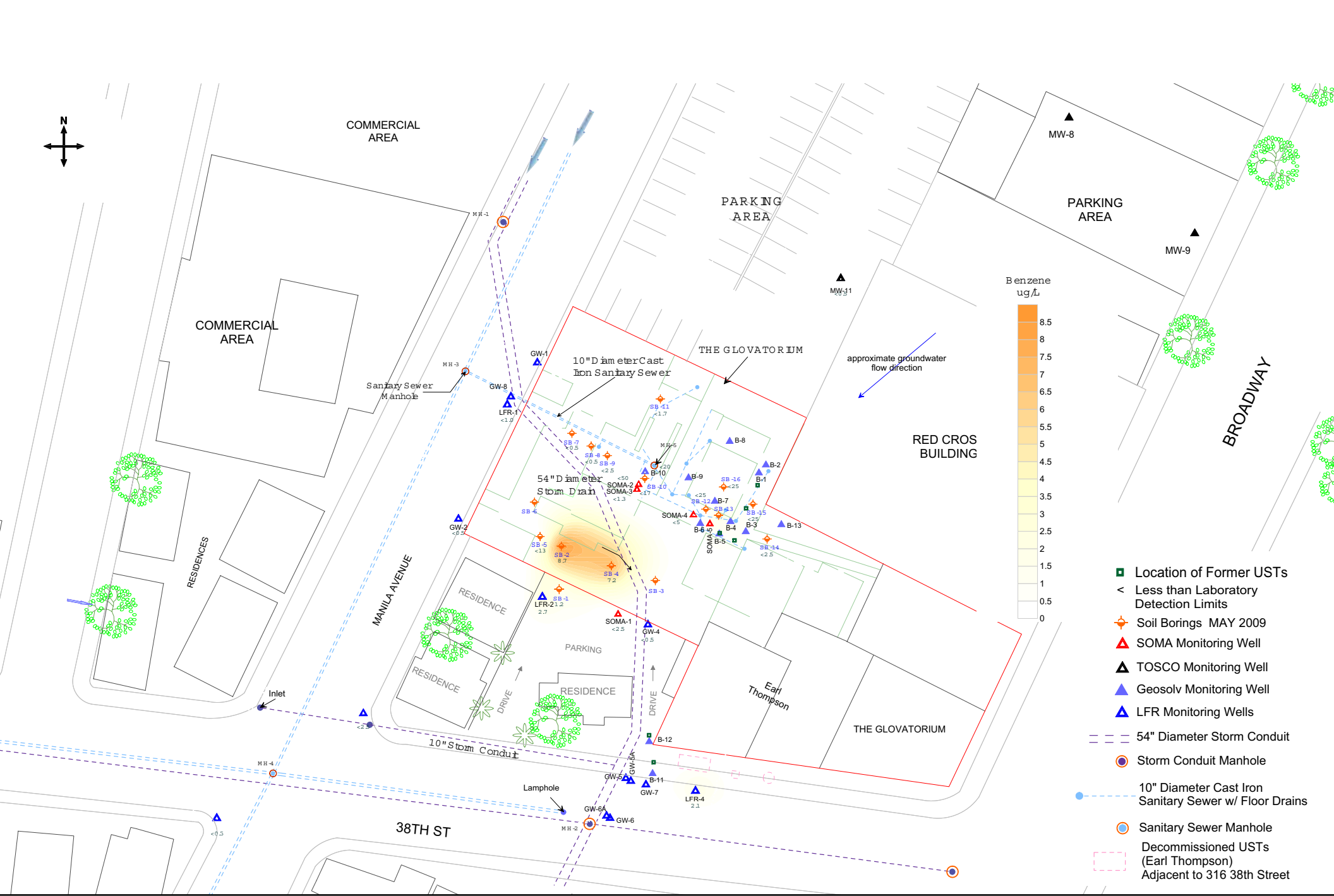
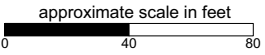


Figure 31: Contour map showing Benzene concentration in groundwater



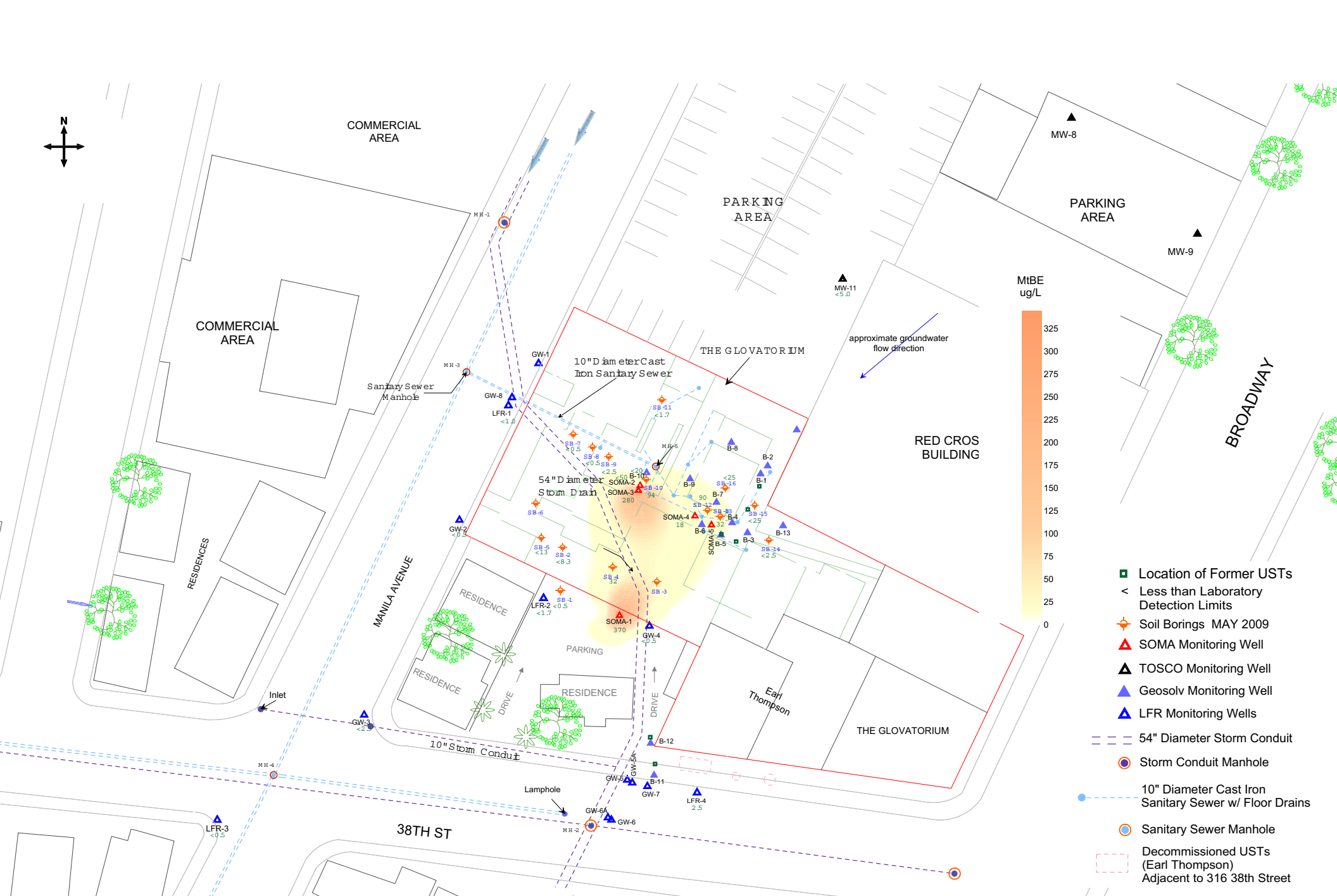


Figure 32: Contour map showing MtBE concentration in groundwater

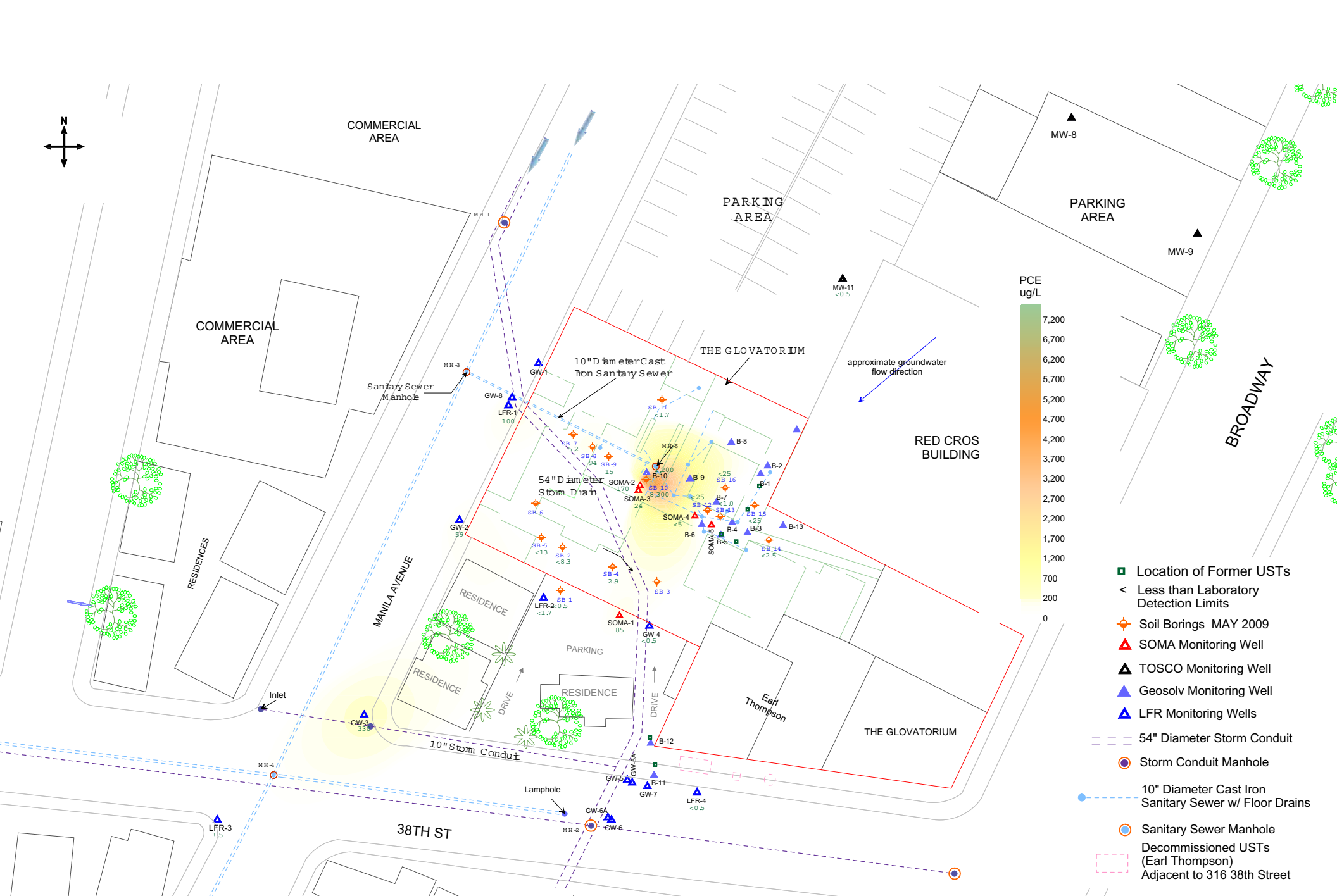


Figure 33: Contour map showing PCE concentration in groundwater

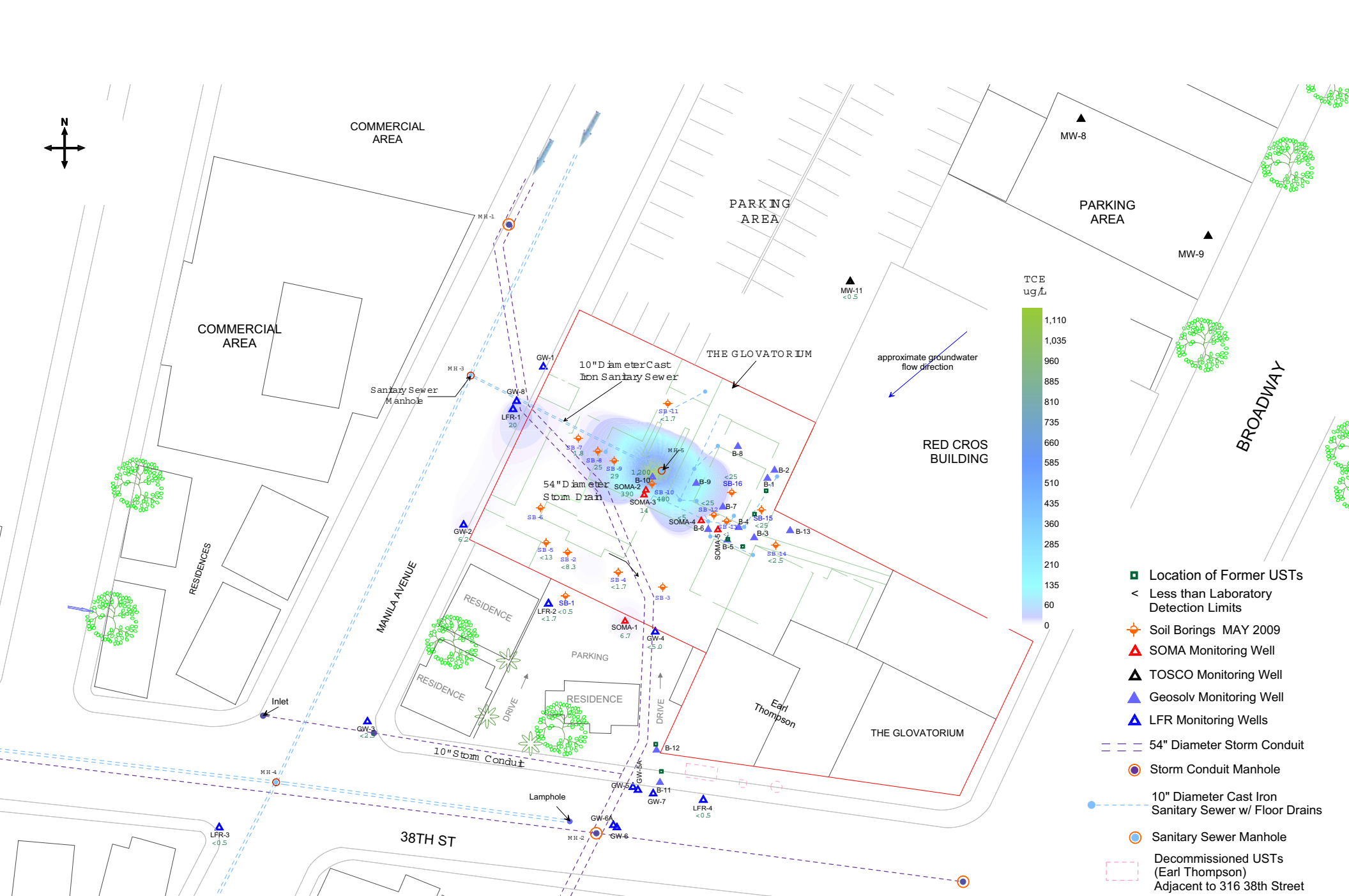
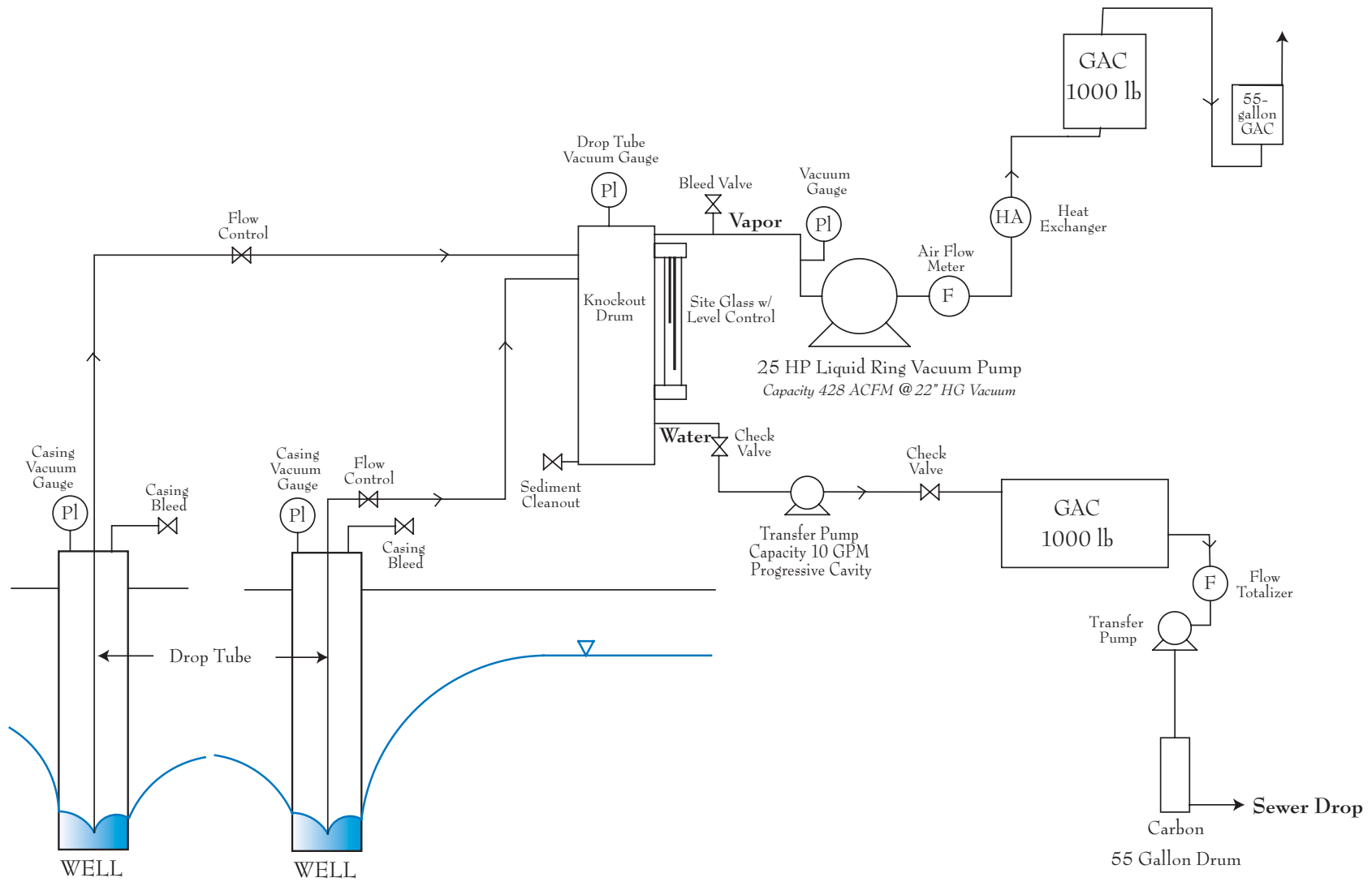


Figure 34: Contour map showing TCE concentration in groundwater



Not to Scale

Figure 35: Multi-Phase Extraction Process Schematic



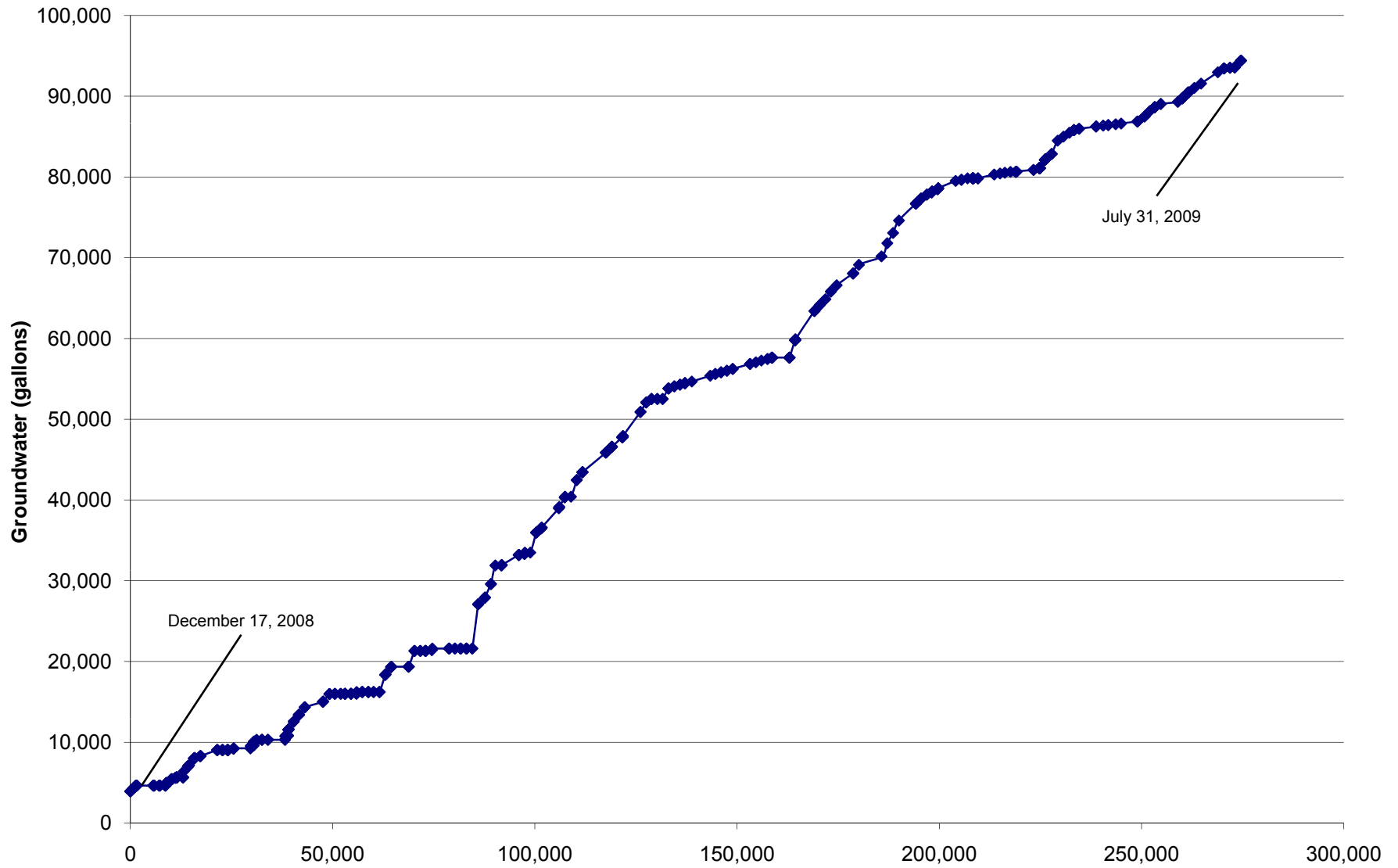


Figure 36: Volume of Extracted Groundwater from December 17, 2008 to July 31, 2009

flow

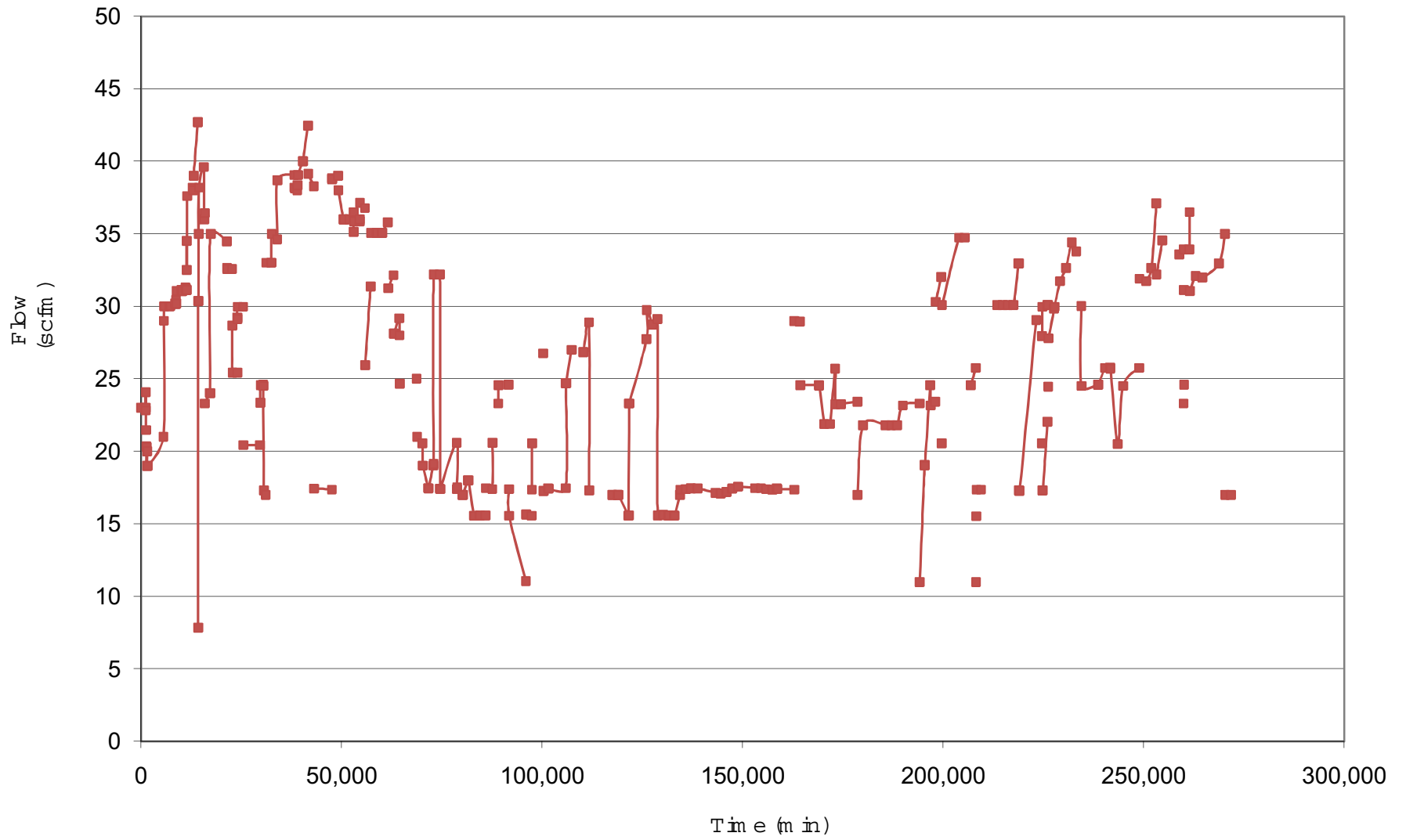


Figure 37: December 2008 to July 2009 Flow Rates

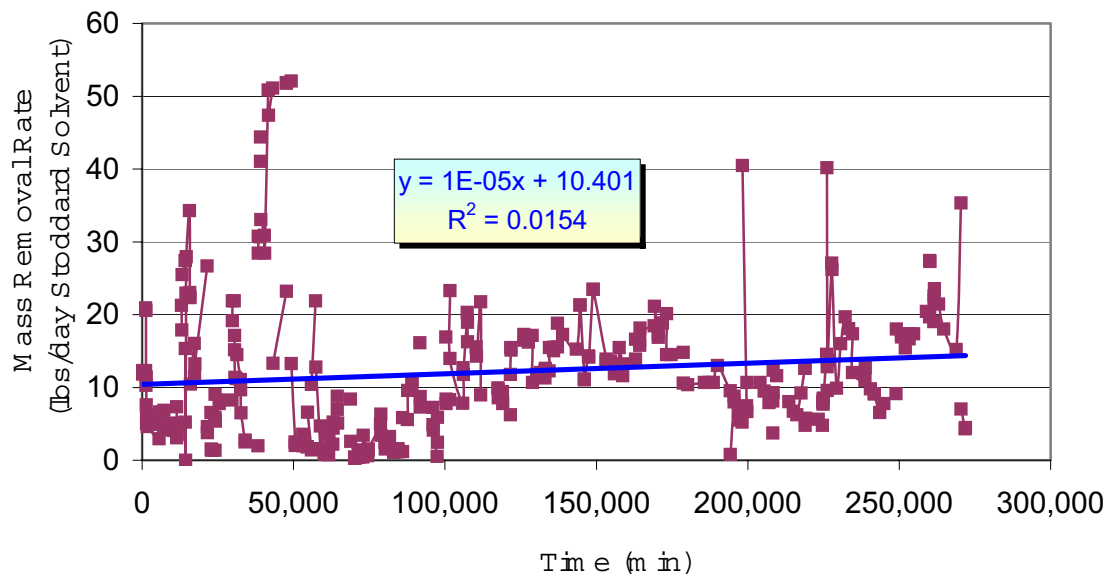
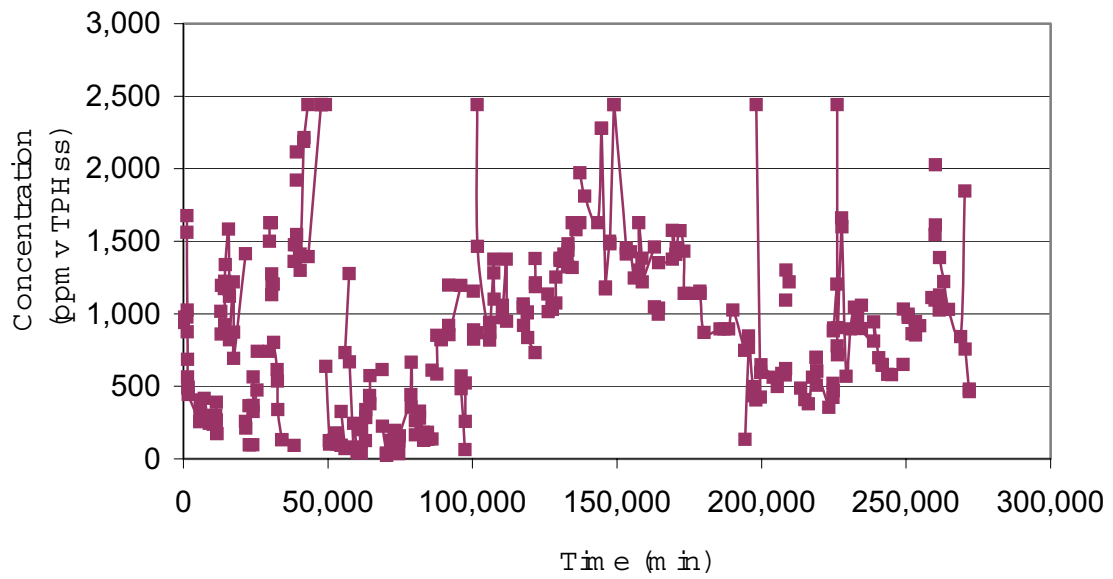


Figure 38: December 2008 to July 2009 PID concentrations and Mass Removal Rate

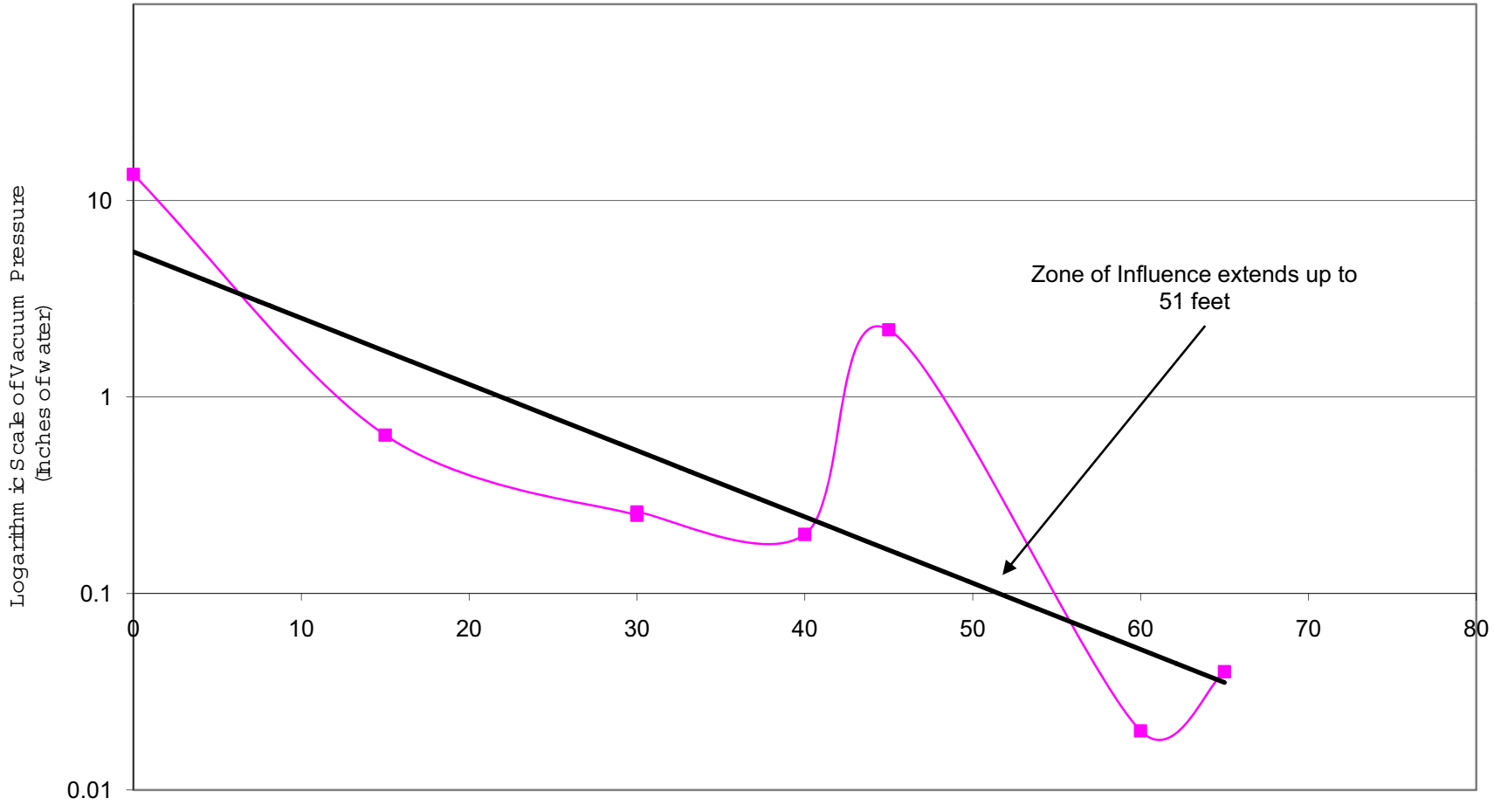


Figure 39: Zone of Influence

TABLES

Table 1
Soil Sample Analytical Results
3820 Manila Avenue
Oakland, California

Sample ID	Depth (Feet)	Date	TPH-g (mg/Kg)	TPH-d (mg/Kg)	TPH-ss (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	MtBE (mg/Kg)	PCE (mg/Kg)	TCE (mg/Kg)	cis-1,2-DCE (mg/Kg)	trans-1,2-DCE (mg/Kg)	Vinyl Chloride (mg/Kg)	1,2-DCP (mg/Kg)
SB-1	5	5/4/2009	<0.92	8.4 ^Y	<0.92	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0097	<0.0049
SB-1	8	5/4/2009	<0.96	12 ^Y	<0.96	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0093	<0.0046
SB-1	11	5/4/2009	<0.93	16 ^Y	<0.93	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0095	<0.0048
SB-1	15	5/4/2009	15 ^Y	36 ^Y	12	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.094	<0.047
SB-1	18	5/4/2009	30 ^Y	670 ^Y	23	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.098	<0.049
SB-2	13	5/5/2009	<1.0	1.0 ^Y	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049
SB-4	12	5/6/2009	2,500 ^Y	74 ^Y	2,100	<5.0	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0
SB-4	14	5/6/2009	1,400 ^Y	100 ^Y	1,200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-4	16	5/6/2009	31 ^Y	14 ^Y	26 ^Y	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25
SB-5	12	5/5/2009	870 ^Y	410 ^Y	740	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
SB-7	8	5/5/2009	830 ^Y	740 ^Y	670	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<3.3	<1.7
SB-7	11	5/5/2009	520 ^Y	910 ^Y	420	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25
SB-7	13	5/5/2009	2,700 ^Y	970 ^Y	2,200	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
SB-8	8	5/5/2009	25 ^Y	410 ^Y	18	<0.25	<0.25	<0.25	<0.25	<0.25	4.5	<0.25	<0.25	<0.25	<0.5	<0.25
SB-8	11	5/5/2009	980 ^Y	470 ^Y	790	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25
SB-8	13	5/5/2009	480 ^Y	460 ^Y	390	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
SB-9	5	5/4/2009	2,400 ^Y	2.1 ^Y	1900	<0.25	<0.25	<0.25	<0.25	<0.25	1.9	<0.25	<0.25	<0.25	<0.5	<0.25
SB-9	8	5/4/2009	53 ^Y	560 ^Y	610	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25
SB-9	11	5/4/2009	1,900 ^Y	850 ^Y	1,600	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-9	13	5/4/2009	660 ^Y	350 ^Y	570	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
SB-10	5	5/4/2009	<0.91	9.4 ^Y	<0.91	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-10	8	5/4/2009	46 ^Y	350 ^Y	37	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-10	11	5/4/2009	1,600 ^Y	350 ^Y	1,300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-10	12.5	5/4/2009	2,400 ^Y	500 ^Y	2,000	<0.5	<0.5	<0.5	<0.5	<0.5	0.69	<0.5	<0.5	<0.5	<1.0	<0.5
SB-11	5	5/4/2009	<0.95	2.0 ^Y	<0.95	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048
SB-11	8	5/4/2009	670 ^Y	670 ^Y	540	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25
SB-11	10	5/4/2009	1,800 ^Y	670 ^Y	1,400	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-11	12	5/4/2009	730 ^Y	130 ^Y	590	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<7.1	<3.6
SB-12	5	5/5/2009	340 ^Y	430 ^Y	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-12	8	5/5/2009	530 ^Y	230 ^Y	430	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83
SB-12	11	5/5/2009	1,000 ^Y	750 ^Y	820	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5
SB-12	13	5/5/2009	16 ^Y	150 ^Y	13	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048
SB-13	7	5/5/2009	1,800 ^Y	1,300 ^Y	1,500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0
SB-13	11	5/5/2009	9.4 ^Y	69 ^Y	8.0	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.094	<0.047
SB-13	13	5/5/2009	140 ^Y	170 ^Y	120	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<1.3	<0.63
SB-13	16	5/5/2009	5.3 ^Y	<0.99	3.8	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049
SB-14	5	5/6/2009	<1.1	3.5 ^Y	<1.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048
SB-14	8	5/6/2009	100 ^Y	130 ^Y	86	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25
SB-14	11	5/6/2009	410 ^Y	220 ^Y	350	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25

Table 1
Soil Sample Analytical Results
 3820 Manila Avenue
 Oakland, California

Sample ID	Depth (Feet)	Date	TPH-g (mg/Kg)	TPH-d (mg/Kg)	TPH-ss (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	MtBE (mg/Kg)	PCE (mg/Kg)	TCE (mg/Kg)	cis-1,2-DCE (mg/Kg)	trans-1,2-DCE (mg/Kg)	Vinyl Chloride (mg/Kg)	1,2-DCP (mg/Kg)
SB-15	5	5/5/2009	7,700 ^Y	1,800 ^Y	6,600	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
SB-15	8	5/5/2009	6,800 ^Y	2,100 ^Y	5,700	<1.0	<1.0	<1.0	5.5	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0
SB-15	11	5/5/2009	4,000 ^Y	940 ^Y	3,400	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
SB-15	14	5/5/2009	29 ^Y	2.1 ^Y	25 ^Y	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.096	<0.048
SB-16	5	5/6/2009	2,100 ^Y	460 ^Y	1,800	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
SB-16	8	5/6/2009	1,500 ^Y	1,100 ^Y	1,200	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<2.5	<1.3
SB-16	11	5/6/2009	19,000 ^Y	790 ^Y	16,000	<2.0	<2.0	<2.0	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
SB-16	14	5/6/2009	340 ^Y	210 ^Y	290	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<1.3	<0.63
ESLs- Shallow (mg/Kg)	Residential	83.0	83.0	83.0	0.044	2.9	3.3	2.3	0.023	0.37	0.46	0.19	0.67	0.022	0.12	
	Commercial	83.0	83.0	83.0	0.044	2.9	3.3	2.3	0.023	0.7	0.46	0.19	0.67	0.047	0.12	
ESLs- Deep (mg/Kg)	Residential	83.0	83.0	83.0	0.044	2.9	3.3	2.3	0.023	0.7	0.46	0.19	0.67	0.085	0.12	
	Commercial	83.0	83.0	83.0	0.044	2.9	3.3	2.3	0.023	0.7	0.46	0.19	0.67	0.085	0.12	

Notes:

- ESLs Environmental Screening levels as per SF Bay Region RWQCB-Interim Final November 2007, revised May 2008 (Table C. Deep Soils (>3m bgs) Groundwater is a Current or Potential Source of Drinking Water)
- Y: Sample exhibits chromatographic pattern which does not resemble standard
- <: Below laboratory detection limits

Table 2
Groundwater Analytical Results
3820 Manila Avenue
Oakland, California

Sample ID	Date	Dilution Factor	TPH-g µg/L	TPH-d µg/L	TPH-ss µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	MtBE µg/L
SB-1	5/5/2009	1.0	3,200 ^Y	9,100 ^Y	2,700	1.2	<0.5	<0.5	0.6	<0.5
SB-2	5/6/2009	16.7	370 ^Y	2,800 ^Y	310 ^Y	8.7	<8.3	<8.3	<8.3	<8.3
SB-4	5/6/2009	3.3	490,000 ^Y	130,000 ^Y	460,000	7.2	9.4	7.8	79	32
SB-5	5/6/2009	25.0	320 ^Y	500 ^Y	270 ^Y	<13	<13	<13	<13	<13
SB-7	5/6/2009	1.0	670 ^Y	650 ^Y	570	<0.5	<0.5	<0.5	3.2	<0.5
SB-8	5/6/2009	1.0	210 ^Y	590 ^Y	180 ^Y	<0.5	<0.5	<0.5	<0.5	<0.5
SB-9	5/5/2009	5.0	240,000 ^Y	13,000 ^Y	230,000	<2.5	<2.5	<2.5	<2.5	<2.5
SB-10	5/5/2009	33.3	4,100 ^{YZ}	2,400 ^Y	3,500 ^Y	<17	<17	<17	<17	94
SB-11	5/4/2009	3.3	130,000 ^Y	830,000 ^Y	120,000	<1.7	<1.7	<1.7	<1.7	<1.7
SB-12	5/5/2009	50.0	1,300,000 ^Y	340,000 ^Y	1,000,000	<25	<25	<25	<25	90
SB-13	5/5/2009	2.0	9,200 ^Y	9,500 ^Y	7,800	1.9	18	6.5	53	32
SB-14	5/6/2009	5.0	9,400 ^Y	NS	8,000	<2.5	<2.5	<2.5	<2.5	<2.5
SB-15	5/5/2009	50.0	9,400,000 ^Y	1,300,000 ^Y	8,900,000	<25	83	38	340	<25
SB-16	5/6/2009	50.0	410,000 ^Y	430,000 ^Y	320,000	<25	45	<25	109	<25
ESLs			100	100	100	1	40	30	20	5

Sample ID	Date	Dilution Factor	PCE µg/L	TCE µg/L	cis-1,2-DCE µg/L	trans-1,2-DCE µg/L	Vinyl Chloride µg/L	1,2-DCP µg/L	Napthalene µg/L
SB-1	5/5/2009	1.0	<0.5	<0.5	3.6	<0.5	<0.5	<0.5	<2.0
SB-2	5/6/2009	16.7	<8.3	<8.3	920	<8.3	<8.3	<8.3	<33
SB-4	5/6/2009	3.3	2.9	<1.7	68	<1.7	<1.7	<1.7	7.9
SB-5	5/6/2009	25.0	<13	<13	1,700	<13	<13	<13	<50
SB-7	5/6/2009	1.0	5.2	1.8	77	9.7	<0.5	<0.5	<2.0
SB-8	5/6/2009	1.0	94	25	82	0.7	<0.5	0.8	<2.0
SB-9	5/5/2009	5.0	15	29	240	<2.5	<2.5	<2.5	<10
SB-10	5/5/2009	166.7/33.33	8,300	480	270	<17	<17	<17	<67
SB-11	5/4/2009	3.3	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
SB-12	5/5/2009	50.0	<25	<25	<25	<25	<25	<25	<100
SB-13	5/5/2009	2.0	<1.0	<1.0	67	<1.0	<1.0	23	77
SB-14	5/6/2009	5.0	<2.5	<2.5	220	4.7	<2.5	<2.5	<10
SB-15	5/5/2009	50.0	<25	<25	530	<25	<25	<25	<50
SB-16	5/6/2009	50.0	<25	<25	310	<25	<25	<25	<100
ESLs			5.0	5.0	6.0	6.0	0.5	5.0	17.0

Notes:

ESLs Environmental Screening levels as per SF Bay Region RWQCB-Interim Final November 2007, revised May 2008
 (Table F-1a. Groundwater Screening Levels. Groundwater is a Current or Potential Source of Drinking Water µg/L)

NA Not listed on the ESL Tables

Y Sample exhibits chromatographic pattern which does not resemble standard

Table 3
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
Temporary Sampling Points Installed by Geosolv, LLC								
B-2	24-Jan-00	20 ^J	31 ^{YJ}	<0.05	<0.013	<0.013	0.11 ^C	0.22 ^C
B-3	24-Jan-00	4.9 ^J	8.8 ^{YJ}	<0.01	0.0048	<0.0025	<0.0025	0.0714
B-7	24-Jan-00	19	30 ^J	<0.05	<0.013	0.062	<0.013	0.207
	11-Aug-00	3.7 ^J	6.8 ^{YHJ}	0.02	0.0077 ^J	0.047 ^J	0.007 ^J	0.065 ^{CJ}
	31-Oct-00	62 ^J	98 ^{YHJ}	0.01 ^J	0.0091 ^J	0.061 ^J	<0.0005	0.237 ^J
	27-Jul-01	2.5	5.2 ^{HY}	0.0057	0.0070	0.051	0.0082	0.0740
	31-Jan-01	5.3	7.9	0.0100	0.0089	0.059	0.0097	0.0870
	26-Apr-01	4.5	8.9 ^H	0.0069	0.0110	0.071	0.077 ^C	0.2080
B-8	24-Jan-00	11 ^J	19 ^{YJ}	<0.01	<0.0025	<0.0025	<0.0025	0.17 ^C
B-9	24-Jan-00	1 ^{YJ}	1.8 ^{YHJ}	<0.002	<0.0005	<0.0005	0.01 ^C	0.0089 ^C
B-10	24-Jan-00	2.4 ^Y	4.2	0.0140 ^C	0.0072	0.027	0.025 ^C	0.032
	10-Aug-00	2.8 ^Y	6.1 ^Y	0.1600	0.0073	0.012	<0.005	0.0241
	31-Oct-00	2.2 ^{YZ}	3.5 ^Z	<0.002	0.0038	0.011	<0.0005	0.0182
	27-Jul-01	1.7	3.6 ^H	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	31-Jan-01	2.4 ^Z	3.6 ^{HYZ}	<0.002	0.0031	0.010	0.00076 ^C	0.0197
	26-Apr-01	2.4 ^Z	4.7 ^Z	0.0025	0.0041	0.013	ND	0.0290
	6-Jul-05	3.4 ^H	4.5 ^{HY}	<0.1	<0.1	<0.1	<0.1	<0.1
	9-Jan-06	11 ^Y	15	<0.1	<0.1	<0.1	<0.1	<0.1
	6-Jul-06	1.3	2.2 ^{HY}	<0.1	<0.1	<0.1	<0.1	<0.1
	1-Mar-07	0.5 ^L	0.810 ^{HY}	<0.1	<0.1	<0.1	<0.1	<0.1
	23-Aug-07	NA	NA	NA	NA	NA	NA	NA
	20-Feb-08	860	1,100 ^Y	<0.25	<0.25	<0.25	<0.25	<0.25
	25-Mar-08	2,000	43 ^{Yb}	<0.36	<0.36	0.75	0.42	2.12
	21-Aug-08	760	1,200 ^Y	<0.083	<0.083	<0.083	<0.083	<0.083
10-Feb-09	1.5	2.3^Y	<0.02	<0.02	<0.02	<0.02	<0.02	
B-13	24-Jan-00	1.7 ^J	3 ^{YJ}	<0.01	<0.0025	<0.0025	<0.0025	0.0200
Temporary Sampling Points Installed by LFR								
GW-2	19-Jul-99	<0.05	<0.05	0.0025	<0.0005	0.00071	<0.0005	0.00074
	20-Jan-00	0.15	0.25 ^Y	0.0044	<0.0005	<0.0005	0.00097 ^C	0.0013
	28-Apr-00	<0.05	0.095 ^{YZ}	<0.0021	<0.0005	<0.0005	<0.0005	<0.0005
	2-Nov-00	<0.05	<0.05	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-01	<0.05	ND	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-01	<0.05	0.086 ^{YZ}	0.0022	<0.0005	0.0240	<0.0005	<0.0005
	27-Jul-01	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	19-Oct-01	<0.05	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Table 3
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
GW-2 cont.	31-Jan-02	<0.05	<0.05	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b
	16,17-Apr-02	<0.05	<0.05	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22-Oct-02	<0.05	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	19-Feb-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jul-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	28-Jan-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	4-Aug-04	0.054 ^{YZ}	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jul-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	28-Feb-07	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	22-Aug-07	NA	NA	NA	NA	NA	NA	NA
20-Feb-08	NA	NA	NA	NA	NA	NA	NA	
22-Aug-08	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9-Feb-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
GW-3	19-Jul-99	0.070 ^Z	0.100 ^Z	<0.0020	<0.0005	<0.0005	<0.0005	0.00064
	20-Jan-00	0.15	0.260 ^Y	<0.0020	<0.0005	<0.0005	<0.0005	0.00130 ^C
	27-Apr-00	0.20 ^{YZ}	0.380 ^{YZ}	<0.0020	<0.0005	<0.0005	<0.0005	<0.00050
	27-Apr-00	0.30 ^Z	0.570 ^{YZ}	<0.0020	<0.0005	<0.0005	<0.0005	<0.00050
	11-Aug-00	<0.05	0.077 ^{YZ}	<0.0020	<0.0005	<0.0005	<0.0005	0.00051
	2-Nov-00	<0.05	0.050 ^{YZ}	0.0026	<0.0005	<0.0005	<0.0005	<0.00050
	1-Feb-01	<0.05	<0.05	<.0020	<.0005	<0.0005	<0.0005	<0.00050
	27-Apr-01	<0.05	0.062 ^{YZ}	0.0056	<0.0005	<0.0005	<0.0005	<0.00050
	27-Jul-01	<0.05	<0.05	0.0008	<0.0005	<0.0005	<0.0005	<0.00050
	19-Oct-01	0.054	0.11	<0.0100	<0.0100	<0.0100	<0.0100	<0.02000
	31-Jan-02	<0.05	0.070 ^{YZ}	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.00500 ^b
	16,17-Apr-02	<0.05	0.055 ^{YZ}	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	0.11 ^{YZ}	0.140 ^{YZ}	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071
	19-Feb-03	0.068 ^{YZ}	0.100 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jul-03	0.120 ^{YZ}	0.180 ^{YZ}	<0.010	<0.010	<0.010	<0.010	<0.010
	28-Jan-04	0.051 ^{YZ}	0.086 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	0.170 ^{YZ}	0.150 ^{YZ}	<0.017	<0.017	<0.017	<0.017	<0.017
	2-Feb-05	0.190 ^Z	0.250 ^{HYZ}	<0.031	<0.031	<0.031	<0.031	<0.031
	6-Jul-05	0.084 ^{YZ}	0.11 ^{YZ}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
	6-Jan-06	0.063 ^{YZ}	0.088 ^{YZ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jul-06	0.091 ^{YZ}	.140 ^{YZ}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1-Mar-07	0.088 ^{YZ}	0.140 ^{YZ}	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	
23-Aug-07	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
20-Feb-08	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-08	0.079 ^Y	0.120 ^{YZ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9-Feb-09	0.070 ^Y	0.084 ^{YZ}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	

Table 3
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
GW-4 Split	21-Jul-99	6.80 ^J	10 ^{YHJ}	0.0022	<0.0005	<0.0005	<0.0005	0.0029 ^J
	20-Jan-00	0.97 ^J	1.60 ^{YJ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	20-Jan-00	0.85 ^J	1.50 ^{YJ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-00	0.31	0.60 ^Y	<0.0020	<0.0005	<0.0005	<0.0005	0.0027
	30-Jan-01	0.39	0.58 ^{HY}	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.42	0.86 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	19-Oct-01	0.83	1.60	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100
	31-Jan-02	0.92	1.70 ^{HY}	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b
	16,17-Apr-02	0.40	0.67 ^{HY}	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	0.97	1.7 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	0.55	0.700 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	19-Feb-03	0.58	0.880 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	0.39	0.580 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	28-Jan-04	0.31	0.520 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	0.71	0.640 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	1-Feb-05	0.28	0.370 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	0.12	0.16 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jan-06	0.54	0.75 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
28-Feb-07	0.56	0.90 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-07	NA	NA	NA	NA	NA	NA	NA	
20-Feb-08	0.50	0.63 ^Y	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
21-Aug-08	NA	NA	NA	NA	NA	NA	NA	
	10-Feb-09	0.49	0.58^Y	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
GW-5	27-Aug-99	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Jan-00	<0.05	0.057 ^Y	0.0007	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-00	0.05 ^Y	0.096 ^Y	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
GW-6A Split	27-Aug-99	<0.05	0.054 ^Y	0.0089	<0.0005	<0.0005	<0.0005	<0.0005
	27-Aug-99	<0.05	0.057 ^Y	0.0087	<0.0005	<0.0005	<0.0005	<0.0005
	25-Jan-00	<0.05	<0.05	0.0022	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-00	<0.05	0.087 ^Y	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
GW-7 Split Split	15-Jul-99	NA	NA	<0.0025	0.05 ^J	<0.0005	0.000727	0.00313 ^J
	15-Jul-99	NA	NA	NA	NA	NA	NA	NA
	15-Jul-99	NA	NA	NA	0.0567 ^J	<0.002	<0.002	<0.002
	15-Jul-99	NA	NA	NA	0.0755 ^J	<0.002	<0.002	<0.002
GW-8 Split	19-Jul-99	<0.05	<0.05	0.0078	<0.0005	0.00064	<0.0005	0.00151
	20-Jan-00	0.19	0.33 ^Y	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	20-Jan-00	0.20	0.37 ^Y	<0.002	0.00058	<0.0005	<0.0005	<0.0005
	28-Apr-00	0.064 ^{YZ}	0.12 ^{YZ}	0.013	<0.0005	<0.0005	<0.0005	<0.0005

Table 3
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in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
Monitoring Wells Owned by TOSCO								
MW-11	25-Jan-00	< 0.05	<0.05	0.0090	<0.0005	<0.0005	<0.0005	<0.0005
	28-Apr-00	<0.05	<0.05	<0.0087	<0.0005	<0.0005	<0.0005	<0.0005
	10-Aug-00	<0.05	<0.05	0.0110	<0.0005	<0.0005	<0.0005	<0.0005
	1-Nov-00	<0.05	<0.05	0.0068	<0.0005	<0.0005	<0.0005	<0.0005
	31-Jan-01	< 0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Jul-01	<0.05	0.10 ^{HY}	0.0010	<0.0005	<0.0005	<0.0005	0.0007
	19-Oct-01	<0.05	<0.05	<0.0050	<0.0050	<0.005	<0.005	<0.010
	31-Jan-02	<0.05	0.071 ^Y	<0.0050 ^b	<0.0050 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b
	16,17-Apr-02	<0.05	<0.05	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	18-Feb-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	28-Jan-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	1-Feb-05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	5-Jul-05	<0.05	<0.05	0.0008	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jul-06	<0.05	<0.05	0.001	<0.0005	<0.0005	<0.0005	<0.0005
28-Feb-07	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-07	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
19-Feb-08	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-08	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10-Feb-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Monitoring Wells Installed by LFR								
LFR-1	9-Aug-00	0.53	1.2	0.0095	<0.0005	<0.0005	<0.0005	<0.0005
	30-Oct-00	0.24 ^{YZ}	0.37 ^{YZ}	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Split	30-Oct-00	0.24 ^{YZ}	0.37 ^{YZ}	0.0043	<0.0005	<0.0005	<0.0005	<0.0005
	29-Jan-01	0.21 ^{YZ}	0.31 ^{YZ}	0.0033	<0.0005	<0.0005	<0.0005	<0.0005
	26-Apr-01	0.092	0.18 ^{YZ}	0.0044	<0.0005	0.002	<0.0005	<0.0005
	27-Jul-01	0.086	0.18 ^{YZ}	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
	18-Oct-01	0.19	0.38	<0.031	<0.031	<0.031	<0.031	<0.062
	31-Jan-02	0.15 ^{YZ}	0.27 ^{YZ}	<0.013 ^b	<0.013 ^b	<0.013 ^b	<0.013 ^b	<0.013 ^b
	16,17-Apr-02	0.10 ^{YZ}	0.17 ^{YZ}	< 0.013	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	0.084 ^{YZ}	0.14 ^{YZ}	<0.013	<0.013	<0.013	<0.013	<0.013
	22,23-Oct-02	<0.05	0.078 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	18-Feb-03	0.076 ^{YZ}	0.110 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	<0.05	0.068 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jan-04	0.060 ^{YZ}	0.100 ^{YZ}	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
	4-Aug-04	<0.05	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	<0.05	0.056 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jul-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Mar-07	<0.05	0.053 ^{YZ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	23-Aug-07	0.070 ^{YZ}	0.120 ^{YZ}	0.0008	<0.0005	<0.0005	<0.0005	<0.0005
	19-Feb-08	0.062 ^Y	0.077 ^Y	<0.001	<0.001	<0.001	<0.001	0.0033
	22-Aug-08	<0.05	0.059 ^{YZ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	9-Feb-09	0.057^Y	0.067^{YZ}	<0.001	<0.001	<0.001	<0.001	<0.001

Table 3
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
LFR-2	11-Aug-00	0.59	1.10 ^{YH}	0.0022	0.0018	<0.0005	<0.0005	0.0013 ^C
	2-Nov-00	0.38	0.70 ^{YH}	0.003	0.0035	0.0011	0.0042	0.01184 ^C
	30-Jan-01	0.36	0.54 ^{HY}	0.0034	0.00057	<0.0005	<0.0005	<0.0005
	27-Apr-01	0.33	0.66 ^{HY}	<0.002	<0.0005	0.0013	<0.0005	<0.0005
	27-Apr-01	0.36	0.72 ^{HY}	<0.002	0.00059	0.0019	<0.0005	0.013
	27-Jul-01	0.33	0.76 ^{HY}	<0.0005	0.0013	<0.0005	<0.0005	0.0006
	18-Oct-01	0.73	1.50	<0.0071	<0.0071	<0.0071	<0.0071	<0.0142
	31-Jan-02	0.76	1.40 ^{HY}	<0.005 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b
	16,17-Apr-02	1.10	1.90 ^{HY}	<0.002	<0.0005	<0.0005	<0.0005	0.019 ^C
	17,18-Jul-02	0.97	1.7 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	3.10	5.000 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	18-Feb-03	1.50	2.300 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	4.10	6.000 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jan-04	NA	NA	NA	NA	NA	NA	NA
	4-Aug-04	2.50	2.2 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	1-Feb-05	1.10	1.5 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	5-Jul-05	0.95	1.3 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jan-06	4.00	5.6 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jul-06	0.49	0.770 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	28-Feb-07	1.20	1.9 ^{HY}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
22-Aug-07	3.70	6.4 ^{HY}	<0.0005	0.0022	<0.0005	<0.0005	<0.0005	
20-Feb-08	73	92 ^Y	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
21-Aug-08	15	23 ^Y	<0.0083	0.0059	0.0017	<0.0005	<0.0005	
10-Feb-09	3.4	4.0^Y	<0.0017	0.0027	<0.0017	<0.0017	<0.0017	
LFR-3 Split	10-Aug-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	10-Aug-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	1-Nov-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	30-Jan-01	<0.05	<0.05	0.0036	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-01	<0.05	<0.05	0.0024	<0.0005	0.0054	<0.0005	<0.0005
	27-Jul-01	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.01
	31-Jan-02	<0.05	0.067 ^Y	<0.005 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b
	16,17-Apr-02	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	19-Feb-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jan-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	5-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	9-Dec-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jul-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1-Mar-07	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-07	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
20-Feb-08	<0.05	0.053 ^Y	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-08	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9-Feb-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

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Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl- benzene (mg/L)	Total Xylenes (mg/L)
LFR-4	11-Aug-00	0.22 ^Y	0.41 ^Y	0.0051	0.01100	<0.0005	<0.0005	0.00162 ^C
	31-Oct-00	0.17 ^Y	0.27	0.0065	0.00084	<0.0005	<0.0005	<0.0005
	1-Feb-01	0.16 ^Y	0.22	0.0097	0.00330	<0.0005	<0.0005	<0.0005
	27-Apr-01	0.22 ^Y	0.44	0.0058	0.02700	0.0036	<0.0005	<0.0005
	27-Jul-01	0.091 ^Y	0.19	0.011	0.00090	<0.0005	<0.0005	<0.0005
	31-Jan-02	NA	NA	NA	NA	NA	NA	NA
	16,17-Apr-02	0.40 ^Y	0.67	<0.005	0.05300	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	0.21 ^Y	0.36 ^Y	0.0075	0.007	<0.005	<0.005	<0.005
	22,23-Oct-02	0.110 ^Y	0.17	0.0080	<0.005	<0.005	<0.005	<0.005
	19-Feb-03	0.490 ^Y	0.740	<0.005	0.055	<0.005	<0.005	<0.005
	30-Jul-03	0.400 ^Y	0.59	<0.005	0.010	<0.005	<0.005	<0.005
	29-Jan-04	0.42 ^Y	0.700 ^Y	<0.005	0.011	<0.005	<0.005	<0.005
	4-Aug-04	NA	NA	NA	NA	NA	NA	NA
	5-Jul-05	0.510 ^Y	0.68	0.0049	0.024	<0.0005	<0.0005	<0.0005
	5-Jul-06	0.650 ^Y	1.10	0.0081	0.059	<0.0005	0.0081	0.006
	1-Mar-07	0.370 ^Y	0.590 ^H	0.006	0.0063	<0.0005	<0.0005	<0.0005
22-Aug-07	NA	NA	NA	NA	NA	NA	NA	
20-Feb-08	NA	NA	NA	NA	NA	NA	NA	
21-Aug-08	0.990 ^Y	1.50 ^Y	0.0029	0.0009	<0.0005	<0.0005	<0.0005	
10-Feb-09	1.20 ^Y	1.40 ^Y	0.0025	0.0021	<0.0005	<0.0005	<0.0005	
Monitoring Wells Installed by SOMA								
SOMA-1	19-Oct-01	0.22	0.44	0.034	<0.0050	<0.0050	<0.0050	<0.0100
	31-Jan-02	0.058	0.100 ^{HY}	0.110 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b
	16,17-Apr-02	<0.05	0.052 ^Y	0.120	0.0008	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	0.120	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	<0.05	0.053	0.140	<0.005	<0.005	<0.005	<0.005
	19-Feb-03	<0.05	<0.05	0.150	<0.0071	<0.0071	<0.0071	<0.0071
	30-Jul-03	<0.05	<0.05	0.190	<0.005	<0.005	<0.005	<0.005
	29-Jan-04	<0.05	<0.05	0.190	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	<0.05	<0.05	0.170	<0.013	<0.013	<0.013	<0.013
	1-Feb-05	<0.05	<0.05	0.200	<0.017	<0.017	<0.017	<0.017
	5-Jul-05	<0.05	<0.05	0.210	<0.0017	<0.0017	<0.0017	<0.0017
	5-Jan-06	<0.05	<0.05	0.270	0.0006	<0.0005	<0.0005	<0.0005
	5-Jul-06	<0.05	<0.05	0.310	<0.002	<0.002	<0.002	<0.002
	28-Feb-07	0.050 ^{YZ}	0.081 ^{YZ}	0.330	0.0025	<0.002	<0.002	<0.002
22-Aug-07	<0.05	0.066 ^{YZ}	0.450	<0.002	<0.002	<0.002	<0.002	
20-Feb-08	<0.05	0.076 ^Y	0.340	<0.002	<0.002	<0.002	0.0084	
21-Aug-08	0.055 ^Y	0.084 ^{YZ}	0.390	<0.0025	<0.0025	<0.0025	<0.0025	
10-Feb-09	0.057 ^Y	0.086 ^{YZ}	0.370	<0.0025	<0.0025	<0.0025	<0.0025	
SOMA-2	19-Oct-01	1.4	2.8	<0.250	<0.2500	<0.250	<0.250	<0.500
	31-Jan-02	1.3	2.4 ^{HY}	<0.071 ^b	<0.0710 ^b	<0.071 ^b	<0.071 ^b	<0.071 ^b
	16,17-Apr-02	1.3 ^L	2.2 ^H	<0.130	0.0067	0.046	0.012	0.044
	17,18-Jul-02	2.6	4.4 ^{HY}	<0.063	<0.063	<0.063	<0.063	<0.063
	22,23-Oct-02	0.37	0.600 ^{HY}	0.300	<0.0071	<0.0071	<0.0071	<0.0071
	19-Feb-03	0.30	0.460 ^{HY}	0.210	<0.017	<0.017	<0.017	<0.017
29-Jul-03	0.27	0.400 ^{HY}	0.300	<0.020	<0.020	<0.020	<0.020	

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Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
SOMA-2 cont.	28-Jan-04	0.23	0.38 ^{HY}	0.270	<0.017	<0.017	<0.017	<0.017
	4-Aug-04	0.31	0.28 ^{HY}	0.280	<0.031	<0.031	<0.031	<0.031
	2-Feb-05	39	53 ^{HY}	<0.31	<0.31	<0.31	<0.31	<0.31
	6-Jul-05	5.10	6.8 ^{HY}	<0.025	<0.025	0.053	<0.025	0.031
	9-Jan-06	67	93 ^{HY}	<0.042	<0.042	0.054	<0.042	<0.042
	6-Jul-06	25	40 ^{HY}	<0.042	<0.042	0.061	<0.042	<0.042
	1-Mar-07	18	29 ^{HY}	<0.042	<0.042	0.055	<0.042	<0.042
	23-Aug-07	75	130 ^{HY}	<0.042	<0.042	0.081	<0.042	<0.042
	20-Feb-08	3.2	4.0 ^Y	<0.1	<0.1	<0.1	<0.1	<0.1
	25-Mar-08	360.0	270 ^{Yb}	<0.13	<0.13	0.180	<0.13	0.170
21-Aug-08	3.8	5.7 ^Y	<0.0063	0.016	0.120	0.014	0.094	
10-Feb-09	860.0	1,300^Y	<0.05	<0.05	<0.05	<0.05	<0.05	
SOMA-3	19-Oct-01	0.42	0.83	0.65	<0.02500	<0.02500	<0.0250	<0.0500
	31-Jan-02	0.23	0.41 ^{HY}	0.31 ^b	<0.01300 ^b	<0.01300 ^b	<0.0130 ^b	<0.0130 ^b
	16,17-Apr-02	0.61	1.00 ^{HY}	0.42	0.00078	0.00068	<0.0005	<0.0005
	17,18-Jul-02	0.41	0.69 ^{HY}	0.38	<0.017	<0.017	<0.017	<0.017
	22,23-Oct-02	3.00	4.700 ^{HY}	<0.17	<0.170	<0.170	<0.170	<0.170
	19-Feb-03	2.50	3.800 ^{HY}	<0.13	<0.130	<0.130	<0.130	<0.130
	29-Jul-03	2.10	3.100 ^{HY}	<0.13	<0.130	<0.130	<0.130	<0.130
	29-Jan-04	4.10	6.8 ^{HY}	<0.31	<0.310	<0.310	<0.310	<0.310
	4-Aug-04	4.00	3.6 ^{HY}	<0.50	<0.500	<0.500	<0.500	<0.500
	2-Feb-05	0.27	0.36 ^{HY}	0.25	<0.063	<0.063	<0.063	<0.063
	6-Jul-05	0.32	0.43 ^{HY}	0.32	0.0017	<0.0005	<0.0005	0.0016
	6-Jan-06	0.22	0.30 ^{HY}	0.39	0.0014	<0.0005	<0.0005	0.0012
	6-Jul-06	0.14	0.27 ^{HY}	0.500	<0.005	<0.005	<0.005	<0.005
	1-Mar-07	0.19	0.31 ^{HY}	0.490	<0.005	<0.005	<0.005	<0.005
	23-Aug-07	0.97	1.700 ^{HY}	0.320	<0.005	<0.005	<0.005	<0.005
20-Feb-08	0.38	0.48 ^Y	<0.031	<0.031	<0.031	<0.031	<0.031	
21-Aug-08	0.40	0.60 ^Y	0.220	<0.013	<0.013	<0.013	<0.013	
10-Feb-09	0.10	0.15^Y	0.280	<0.013	<0.013	<0.013	<0.013	
SOMA-4	19-Oct-01	2.5	5	0.63	<0.13	<0.13	<0.13	<0.26
	31-Jan-02	FP	FP	FP	FP	FP	FP	FP
	16,17-Apr-02	FP	FP	FP	FP	FP	FP	FP
	17,18-Jul-02	FP	FP	FP	FP	FP	FP	FP
	22,23-Oct-02	FP	FP	FP	FP	FP	FP	FP
	18-Feb-03	FP	FP	FP	FP	FP	FP	FP
	29-Jul-03	FP	FP	FP	FP	FP	FP	FP
10-Feb-09	44	65^Y	0.018	<0.005	0.016	<0.005	0.029	
SOMA-5	4-Aug-04	4.1	3.7 ^{HY}	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	0.11 ^Z	0.15 ^{HYZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	2.3 ^H	3.1 ^{HY}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
	9-Jan-06	0.89	1.2 ^{HY}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
	6-Jul-06	0.450 ^{YZ}	0.720 ^{YZ}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Mar-07	NA	3.9 ^{YZ}	0.0052	<0.0005	<0.0005	<0.0005	<0.0005
	23-Aug-07	NA	NA	NA	NA	NA	NA	NA
	20-Feb-08	NA	NA	NA	NA	NA	NA	NA
	21-Aug-08	NA	NA	NA	NA	NA	NA	NA
	10-Feb-09	NA	NA	NA	NA	NA	NA	NA

Table 3
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl- benzene (mg/L)	Total Xylenes (mg/L)
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Notes:

- ^b Analysis was carried out past the hold date, no analytical problems were encountered. See narrative for Q1 2008
- ^c Presence of this compound confirmed by second column, however, the confirmation concentration different from reported results by more than a factor of two.
- ^H Heavier hydrocarbons than the standard are present in the sample.
- ^J Result is estimated.
- ^L Lighter hydrocarbons contributed to the quantitation
- ^{NA} Not analyzed.
- ^Y During first semi-annual 2009 event SOMA-5 had insufficient groundwater for sampling
- ^Z Sample exhibits fuel pattern which does not resemble standard.
- ^Z Sample exhibits unknown single peak or peaks.

FP: Free product detected in SOMA 4.

TPH, purge = Total petroleum hydrocarbons (purgeable)

Groundwater samples collected from the temporary sampling points are considered grab samples, therefore, the results should be considered estimates of groundwater quality.

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
Temporary Sampling Points Installed by Geosolv, LLC							
B-2	24-Jan-00	<0.0013	<0.0013	0.27	0.001	< 0.0013	< 0.0013
B-3	24-Jan-00	< 0.0020	< 0.002	0.61	< 0.002	< 0.002	< 0.002
B-7	24-Jan-00	< 0.0036	< 0.0036	0.92	0.004	< 0.0036	< 0.0036
	11-Aug-00	< 0.0031	< 0.0031	0.86	0.005	< 0.0031	< 0.0031
	31-Oct-00	< 0.0042	< 0.0042	0.91	0.004	< 0.0042	< 0.0042
	27-Jul-01	0.01	0.017	0.86	0.005	<0.0031	<0.0031
	27-Apr-01	<0.0031	<0.0031	1.10	0.007	<0.0031	<0.0031
31-Jan-01	< 0.0042	< 0.0042	0.92	0.005	< 0.0042	< 0.0042	
B-8	24-Jan-00	< 0.0005	< 0.0005	0.035	< 0.0005	< 0.0005	< 0.0005
B-9	24-Jan-00	< 0.0005	0.001	0.003	< 0.0005	< 0.0005	< 0.0005
B-10	24-Jan-00	1.20	2.40	14.00	0.090	< 0.063	< 0.063
	10-Aug-00	2.90	1.60	6.50	0.050	< 0.025	< 0.025
	31-Oct-00	2.40	1.90	7.10	0.061	< 0.025	< 0.025
	27-Jul-01	1.70	1.40	7.30	0.043	<0.025	<0.025
	27-Jul-01	0.87	0.81	6.60	0.041	<0.025	<0.025
	31-Jan-01	2.10	1.60	6.60	0.044	< 0.025	< 0.025
	6-Jul-05	0.59	0.34	12.00	<0.1	<0.1	<0.1
	9-Jan-06	0.14	0.29	13.00	<0.1	<0.1	<0.1
	6-Jul-06	0.37	0.38	14.00	<0.1	<0.1	<0.1
	1-Mar-07	<0.1	<0.1	14.00	0.110	<0.1	<0.1
	23-Aug-07	NA	NA	NA	NA	NA	NA
	20-Feb-08	20.0	9.1	16.0	<0.25	<0.25	<0.25
	25-Mar-08	520.0	70.0	28.0	<0.36	<0.36	<0.36
21-Aug-08	1.1	0.97	17.0	0.096	<0.083	<0.083	
10-Feb-09	1.2	1.2	2.9	<0.02	<0.02	<0.02	
B-13	24-Jan-00	0.020	0.029	0.13	0.005	< 0.0005	< 0.0005
Temporary Sampling Points Installed by LFR							
GW-2	19-Jul-99	0.014	0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	20-Jan-00	0.130	0.019	0.006	< 0.0005	< 0.0005	< 0.0005
	28-Apr-00	0.120	0.016	0.003	< 0.0005	< 0.0005	< 0.0005
	2-Nov-00	0.008	0.001	0.003	< 0.0005	< 0.0005	< 0.0005
	1-Feb-01	0.008	0.001	0.003	< 0.0005	< 0.0005	< 0.0005
	27-Apr-01	0.010	0.002	0.002	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.033	0.004	0.002	<0.0005	<0.0005	<0.0005
	19-Oct-01	0.019	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	GW-2 cont.	31-Jan-02	0.0092 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b
16,17-Apr-02		0.014	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
17-18-Jul-02		0.014	<0.005	<0.005	<0.005	<0.01	<0.005
22,23-Oct-02		0.027	<0.005	<0.005	<0.005	<0.010	<0.005
19-Feb-03		0.057	0.007	<0.005	<0.005	<0.010	<0.005
29-Jul-03		0.043	<0.005	<0.005	<0.005	<0.010	<0.005
28-Jan-04		0.057	0.0069	<0.005	<0.005	<0.010	<0.005
4-Aug-04		0.075	0.0100	<0.005	<0.005	<0.010	<0.005
2-Feb-05		0.049	0.0066	0.016	<0.005	<0.010	<0.005
6-Jul-05		0.082	0.0110	0.0009	<0.0005	<0.0005	<0.0005
6-Jan-06		0.061	0.0079	0.0008	<0.0005	<0.0005	<0.0005
6-Jul-06		0.0750	0.0095	0.0007	<0.0005	<0.0005	<0.0005
28-Feb-07		0.082	0.0096	0.0006	<0.0005	<0.0005	<0.0005
22-Aug-07		NA	NA	NA	NA	NA	NA
20-Feb-08		NA	NA	NA	NA	NA	NA
22-Aug-08	0.015	0.003	<0.0005	<0.0005	<0.0005	<0.0005	
9-Feb-09	0.059	0.0062	<0.0005	<0.0005	<0.0005	<0.0005	

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
GW-3 Split	19-Jul-99	0.220	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	20-Jan-00	0.055	0.001	0.020	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	0.350	0.002	0.006	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	0.270	0.002	0.002	< 0.0013	< 0.0013	< 0.0013
	11-Aug-00	0.068	0.003	0.012	< 0.0005	< 0.0005	< 0.0005
	2-Nov-00	0.059	0.001	0.002	< 0.0005	< 0.0005	< 0.0005
	1-Feb-01	0.046	0.001	0.001	< 0.0005	< 0.0005	< 0.0005
	27-Apr-01	0.079	0.001	0.002	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.090	0.001	<0.0005	<0.0005	<0.0005	<0.0005
	19-Oct-01	0.180	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100
	31-Jan-02	0.0960 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	0.160	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	0.086	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	0.200	<0.0071	<0.0071	<0.0071	<0.014	<0.0071
	19-Feb-03	0.240	<0.005	0.006	<0.005	<0.010	<0.005
	29-Jul-03	0.430	<0.010	<0.010	<0.010	<0.010	<0.010
	28-Jan-04	0.170	<0.005	<0.005	<0.005	<0.010	<0.005
	3-Aug-04	0.440	<0.017	<0.017	<0.017	<0.033	<0.017
	2-Feb-05	0.360	<0.031	<0.031	<0.031	<0.063	<0.031
	6-Jul-05	0.320	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
	6-Jan-06	0.200	0.0008	<0.0005	<0.0005	<0.0005	<0.0005
6-Jul-06	0.400	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
1-Mar-07	0.400	0.002	<0.0017	<0.0017	<0.0017	<0.0017	
23-Aug-07	0.150	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
20-Feb-08	0.082	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-08	0.240	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	
9-Feb-09	0.330	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
GW-4 Split	19-Jul-99	< 0.0005	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	20-Jan-00	0.001	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	20-Jan-00	0.001	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	27-Apr-00	0.002	< 0.0005	0.001	< 0.0005	< 0.0005	0.001
	30-Jan-01	< 0.0005	< 0.0005	0.002	< 0.0005	< 0.0005	0.001
	27-Jul-01	< 0.0005	< 0.0005	0.003	< 0.0005	0.001	0.002
	19-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	28-Jan-04	0.0081	<0.005	0.010	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	1-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	6-Jul-05	0.0006	<0.0005	0.0013	<0.0005	<0.0005	0.0011
	5-Jan-06	<0.0005	<0.0005	0.0018	<0.0005	<0.0005	0.0015
	28-Feb-07	0.0006	<0.0005	0.0016	<0.0005	<0.0005	0.0014
	22-Aug-07	NA	NA	NA	NA	NA	NA
	20-Feb-08	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	0.0011
21-Aug-08	NA	NA	NA	NA	NA	NA	
10-Feb-09	<0.0005	<0.0005	0.0013	<0.0005	<0.0005	0.0017	

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
GW-5	27-Aug-99	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	20-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
GW-6A Split	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	25-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
GW-7 Split	27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	15-Jul-99	< 0.0005	< 0.0005	0.004	< 0.0005	< 0.0005	0.001
	15-Jul-99	< 0.0020	< 0.0020	0.004	< 0.0020	< 0.0020	< 0.0020
GW-8 Split	15-Jul-99	< 0.0020	< 0.0020	0.004	< 0.0020	< 0.0020	< 0.0020
	19-Jul-99	0.024	0.015	0.004	0.002	0.001	< 0.0005
	20-Jan-00	0.150	0.190	0.053	0.012	0.005	< 0.0007
Split	20-Jan-00	0.150	0.180	0.052	0.011	0.005	< 0.0005
	28-Apr-00	0.120	0.110	0.029	0.005	0.002	< 0.0005
Monitoring wells owned by TOSCO							
MW-11	25-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	28-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	1-Nov-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	31-Jan-01	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Apr-01	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Jul-01	0.002	0.001	0.006	< 0.0005	< 0.0005	< 0.0005
	19-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	18-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	28-Jan-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	1-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	5-Jul-05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jan-06	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jul-06	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	28-Feb-07	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	22-Aug-07	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	19-Feb-08	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
22-Aug-08	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10-Feb-09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
Monitoring wells installed by LFR							
LFR-1 Split	9-Aug-00	2.80	0.064	0.041	< 0.0083	< 0.0083	< 0.0083
	30-Oct-00	0.82	0.034	0.010	< 0.0031	< 0.0031	< 0.0031
	30-Oct-00	0.87	0.035	0.014	< 0.0031	< 0.0031	< 0.0031
	29-Jan-01	0.77	0.026	0.007	<0.0025	<0.0025	<0.0025
	26-Apr-01	0.44	0.013	0.005	<0.0013	<0.0013	<0.0013
	27-Jul-01	0.38	0.031	0.010	<0.0013	<0.0013	<0.0013
	18-Oct-01	0.78	0.093	<0.0310	<0.0310	<0.0630	<0.0310
	31-Jan-02	0.37 ^b	0.035 ^b	<0.0130 ^b	<0.0130 ^b	<0.0250 ^b	<0.0130 ^b
	16,17-Apr-02	0.38	0.040	<0.0130	<0.0130	<0.0250	<0.0130
	17,18-Jul-02	0.36	0.041	<0.013	<0.013	<0.025	<0.013
	22,23-Oct-02	0.18	0.024	0.007	<0.005	<0.010	<0.005
	18-Feb-03	0.28	0.032	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	0.15	0.027	0.007	<0.005	<0.010	<0.005
	29-Jan-04	0.15	0.023	0.0077	<0.0063	<0.013	<0.0063
	4-Aug-04	0.058	0.016	0.0052	<0.005	<0.010	<0.005
	2-Feb-05	0.089	0.0079	0.0072	<0.005	<0.010	<0.005
	6-Jul-05	0.096	0.0260	0.0049	<0.0005	<0.0005	<0.0005
	6-Jan-06	0.062	0.0076	0.0010	<0.0005	<0.0005	<0.0005
	6-Jul-06	0.0078	0.0410	0.001	<0.0005	<0.0005	<0.0005
	1-Mar-07	0.098	0.0099	0.0017	<0.0005	<0.0005	<0.0005
23-Aug-07	0.170	0.073	0.036	0.0066	0.0005	<0.0005	
19-Feb-08	0.130	0.051	0.021	0.0048	<0.001	<0.001	
22-Aug-08	0.084	0.047	0.014	0.0039	<0.0005	<0.0005	
9-Feb-09	0.100	0.020	0.0031	<0.001	<0.001	<0.001	
LFR-2 split	11-Aug-00	< 0.0005	< 0.0005	0.035	< 0.0005	0.005	< 0.0005
	2-Nov-00	< 0.0005	< 0.0005	0.130	0.001	0.015	0.001
	29-Jan-01	<0.0005	<0.0005	0.006	<0.0005	0.002	<0.0005
	27-Apr-01	0.001	<0.0005	0.006	<0.0005	0.001	<0.0005
	27-Jul-01	0.001	0.001	0.019	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.0071	<0.0071	0.160	<0.0071	<0.0140	<0.0071
	27-Apr-01	0.001	<0.0005	0.007	<0.0005	0.002	<0.0005
	31-Jan-02	<0.0050 ^b	<0.0050 ^b	0.0069 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	0.012	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	0.066	<0.005	<0.010	<0.005
	18-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	0.011	<0.005	<0.010	<0.005
	4-Aug-04	<0.005	<0.005	0.012	<0.005	<0.010	<0.005
	1-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	5-Jul-05	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	<0.0005
	5-Jan-06	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005
	5-Jul-06	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	28-Feb-07	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	22-Aug-07	<0.0005	<0.0005	0.078	<0.0005	0.0098	<0.0005
20-Feb-08	<0.0005	<0.0005	0.014	<0.0005	0.004	<0.0005	
21-Aug-08	<0.0083	<0.0005	1.40	0.0083	0.089	0.0009	
10-Feb-09	<0.0017	<0.0017	0.33	0.0023	0.032	<0.0017	

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
LFR-3 Split	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	1-Nov-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	30-Jan-01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-01	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	29-Jan-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	2-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	5-Jul-05	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	9-Dec-05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jul-06	0.023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1-Mar-07	0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-07	0.0039	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
20-Feb-08	0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
22-Aug-08	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9-Feb-09	0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LFR-4	11-Aug-00	< 0.0005	< 0.0005	0.001	< 0.0005	< 0.0005	< 0.0005
	31-Oct-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	30-Jan-01	<0.0005	<0.0005	0.001	<0.0005	< 0.0005	< 0.0005
	27-Apr-01	<0.0005	<0.0005	0.002	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.001	<0.0005	0.002	<0.0005	<0.0005	<0.0005
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	29-Jan-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	4-Aug-04	NA	NA	NA	NA	NA	NA
	5-Jul-05	0.0011	<0.0005	0.0026	<0.0005	<0.0005	<0.0005
	5-Jul-06	<0.0005	<0.0005	0.0022	<0.0005	0.0007	<0.0005
	1-Mar-07	<0.0005	<0.0005	0.0033	<0.0005	0.0006	<0.0005
22-Aug-07	NA	NA	NA	NA	NA	NA	
20-Feb-08	NA	NA	NA	NA	NA	NA	
21-Aug-08	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10-Feb-09	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
Monitoring wells installed by SOMA							
SOMA-1	19-Oct-01	<0.0050	<0.0050	0.014	<0.0050	<0.0100	<0.0050
	31-Jan-02	0.0056 ^b	<0.0050 ^b	0.0070 ^b	<0.0050 ^b	<0.0100 ^b	0.0057 ^b
	16,17-Apr-02	0.006	<0.0050	0.007	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	0.016	<0.005	<0.01	<0.005
	22,23-Oct-02	0.008	<0.005	0.041	<0.005	<0.010	0.007
	19-Feb-03	0.009	<0.0071	0.016	<0.0071	<0.014	<0.0071
	30-Jul-03	0.016	<0.005	0.042	<0.005	<0.010	0.006
	29-Jan-04	0.019	<0.005	0.044	<0.005	<0.010	0.0059
	3-Aug-04	0.019	<0.013	0.038	<0.013	<0.025	<0.013
	1-Feb-05	0.022	<0.017	0.028	<0.017	<0.033	<0.017
	5-Jul-05	0.041	0.0026	0.051	<0.0017	<0.0017	0.0046
	5-Jan-06	0.019	0.0013	0.028	<0.0005	<0.0005	0.0026
	5-Jul-06	0.037	0.0028	0.057	<0.002	<0.002	0.0037
	28-Feb-07	0.079	0.0062	0.170	<0.002	<0.002	0.0067
	22-Aug-07	0.062	0.0060	0.170	0.0022	<0.002	0.0035
	20-Feb-08	0.075	0.0058	0.180	0.0022	<0.002	0.0025
21-Aug-08	0.110	0.0085	0.250	<0.0025	<0.0025	0.0031	
10-Feb-09	0.085	0.0067	0.290	0.0028	<0.0025	0.0035	
SOMA-2	19-Oct-01	1.400	0.350	5.000	<0.250	<0.500	<0.250
	31-Jan-02	<0.071 ^b	<0.071 ^b	1.8 ^b	<0.071 ^b	<0.140 ^b	<0.071 ^b
	16,17-Apr-02	<0.130	<0.130	2.900	<0.130	<0.250	<0.130
	17,18-Jul-02	<0.063	<0.063	1.600	<0.063	<0.13	<0.063
	22,23-Oct-02	0.017	0.008	0.350	<0.0071	<0.014	<0.0071
	19-Feb-03	<0.017	<0.017	0.790	<0.017	<0.033	<0.017
	29-Jul-03	0.032	<0.020	0.580	<0.040	<0.040	<0.020
	28-Jan-04	0.036	<0.017	0.430	<0.017	<0.033	<0.017
	4-Aug-04	<0.031	<0.031	0.430	<0.031	<0.063	<0.031
	2-Feb-05	<0.310	<0.310	6.100	<0.310	<0.630	<0.310
	6-Jul-05	0.078	0.047	5.200	0.044	<0.025	<0.025
	9-Jan-06	<0.042	<0.042	7.30	0.049	<0.042	<0.042
	6-Jul-06	<0.042	<0.042	5.400	0.046	<0.042	<0.042
	1-Mar-07	<0.042	<0.042	5.100	<0.042	<0.042	<0.042
	23-Aug-07	<0.042	0.110	5.400	0.042	<0.042	<0.042
	20-Feb-08	0.200	0.360	16.00	0.100	<0.100	<0.100
25-Mar-08	6.400	2.500	20.00	0.130	<0.130	<0.130	
21-Aug-08	0.620	0.870	15.00	0.160	<0.0063	<0.0063	
10-Feb-09	0.170	0.390	5.90	<0.05	<0.05	<0.05	
SOMA-3	19-Oct-01	0.042	0.057	0.440	<0.025	<0.050	<0.025
	31-Jan-02	0.018 ^b	0.023 ^b	0.38 ^b	<0.013 ^b	<0.025 ^b	<0.013 ^b
	16,17-Apr-02	0.025	0.018	0.36	<0.017	<0.033	<0.017
	17,18-Jul-02	0.027	<0.017	0.44	<0.017	<0.033	<0.017
	22,23-Oct-02	<0.170	<0.170	5.90	<0.170	<0.330	<0.170
	19-Feb-03	<0.130	<0.130	4.10	<0.130	<0.250	<0.130
	29-Jul-03	0.150	0.220	4.70	<0.130	<0.250	<0.130
	29-Jan-04	<0.310	<0.310	7.70	<0.310	<0.630	<0.310
	4-Aug-04	<0.500	<0.500	6.90	<0.500	<1.0	<0.500
	2-Feb-05	<0.063	<0.063	1.10	<0.063	<0.130	<0.063
	6-Jul-05	0.031	0.014	0.89	0.0067	0.0011	0.0032
	6-Jan-06	0.025	0.0094	0.77	0.005	0.001	0.0026
	6-Jul-06	0.015	0.0064	0.370	<0.005	<0.005	<0.005
	1-Mar-07	0.015	<0.005	0.270	<0.005	<0.005	<0.005
	23-Aug-07	0.280	0.060	2.900	0.010	<0.005	<0.005
	20-Feb-08	0.041	0.062	5.300	0.068	<0.031	<0.031
21-Aug-08	0.160	0.030	2.100	0.019	<0.013	<0.013	
10-Feb-09	0.024	0.014	1.800	0.013	<0.013	<0.013	

Table 4
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
SOMA-4	19-Oct-01	<0.13	<0.13	2.600	<0.13	<0.25	<0.13
	31-Jan-02	FP	FP	FP	FP	FP	FP
	16,17-Apr-02	FP	FP	FP	FP	FP	FP
	17,18-Jul-02	FP	FP	FP	FP	FP	FP
	22,23-Oct-02	FP	FP	FP	FP	FP	FP
	18-Feb-03	FP	FP	FP	FP	FP	FP
	29-Jul-03	FP	FP	FP	FP	FP	FP
	10-Feb-09	<0.005	<0.005	0.830	0.0051	<0.005	<0.005
SOMA-5	4-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	2-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	6-Jul-05	<0.0025	<0.0025	0.0057	<0.0025	<0.0025	<0.0025
	9-Jan-06	<0.0025	0.0067	0.430	0.027	<0.0025	<0.0025
	6-Jul-06	<0.0005	<0.0005	0.0035	<0.0005	<0.0005	<0.0005
	1-Mar-07	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	23-Aug-07	NA	NA	NA	NA	NA	NA
	20-Feb-08	NA	NA	NA	NA	NA	NA
	21-Aug-08	NA	NA	NA	NA	NA	NA
	10-Feb-09	NA	NA	NA	NA	NA	NA

Notes:

<: Not detected above the laboratory reporting limits.

^b analysis was carried out past hold date, no analytical problems were encountered

FP: Not Analyzed due to Free Product

NA: Not Analyzed. Well LFR-4 was inaccessible during the Third Quarter 2004 Monitoring Event.

During First Semi-annual 2009 event SOMA-5 had insufficient groundwater for sampling

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)	
12/17/2008	700	carbon change out, prep. system and extraction wells to continue pilot test														3,904	
	1300	begin extraction from SOMA-2, SOMA-4, B-8, and B-10														3,904	205
	1330	166	56	23	-	25.75	0.17	1.7	23	54	5,769	939	4.1	3.5	3,904		
	1430	166	58	23	-	25.75	0.17	1.7	23	62	6,000	977	4.0	2.4	3,967		
12/18/2008	1000	system down upon arrival, main timer = 1253.1, approximate shut down at 0800,															
		inspection revealed - magnetic contactor connected to xfer pump short circuited, temporary alternate route created until repair/replacement of contactor															
	1330	restart system															
	1400	168	62	23		25.75	0.17	1.7	23	60	10,300	1,677	3.0	0.0	4,502		
	1430	168	64	23		25.75	0.19	1.7	24	64	9,600	1,563	3.6	2.0	4,502		
	1530	168	60	23.5		26	0.15	1.4	21	66	5,375	875	3.0	1.0	4,522		
		shutdown system to replace magnetic contactor, system remaining off overnight to allow groundwater to recharge, insufficient water being extracted to allow xfer pump to run															
12/19/2008	900	restart system after inspection of treatment system															
	1000	168	59	24		26.25	0.135	1.6	20	60	6,300	1,026	3.4	1.6	4,620		
	1100	168	59	24		26.25	0.135	1.6	20	64	4,214	686	2.8	1.9	4,620		
	1200	168	57	24		26.25	0.135	1.6	20	66	3,475	566	2.9	1.7	4,620		
	1300	166	57	24.5		26.5	0.12	1.4	19	66	3,000	488	2.5	1.0	4,620		
	1430	166	59	24		26.5	0.13	1.6	20	70	3,035	494	0.7	1.1	4,620		
	1500	166	59	23		26.5	0.12	1.5	19	70	2,730	444	2	3	4,620		
	12/22/2008	900	166	51	24		26	0.15	1.6	21	62	1,575	256	0.0	0.0	4,620	
1100		166	58	22		25	0.28	2	29	64	1,898	309	0.0	0.0	4,620		
1230		166	59	22		25	0.3	2.2	30	64	2,490	405	0.0	0.0	4,620		
1330		166	62	22		25	0.3	2.2	30	66	2,095	341	0.0	0	4,620		
1400		166	60	22		25	0.3	2.2	30	66	1,941	316	0.0	0	4,620		
12/23/2008	930	166	57	22		25	0.3	2.2	30	64	1,714	279	0.0	0	4,620	227	
	1030	166	57	22		25	0.3	2.2	30	62	2,560	417	0.0	0.0	4,620		
	1130	166	59	22		25	0.3	2.2	30	64	1,666	271	0.0	0	4,620		
	1330	166	59	22		25	0.3	2.2	30	66	1,805	294	0.0	0.0	4,620		
12/24/2008	1000	166	59	22		25	0.3	2.2	30	66	1,844	300	0.0	0.0	4,620		
	1200	166	59	22		25	0.3	2.2	30	68	1,680	273	0.0	0.0	4,620		
		shutdown system due to rain and expected rain over weekend															

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
12/29/2008	1000	restarted system after initial inspection of system and wells														232
	1100	168	61	22		25	0.3	2.2	30	58	1,820	296	0.0	0.0	4,640	
	1300	168	63	22		25	0.3	2.2	30	66	1,653	269	0.0	0.0	4,958	
	1400	168	63	22		25	0.32	2.2	31	70	1,507	245	0.0	0.0	4,958	
12/30/2008	930	168	56	22		25	0.32	2.2	31	68	1,775	289	0.0	0.0	5,414	
	1030	168	61	22		25	0.32	2.2	31	68	1,815	295	0.0	0.0	5,414	
	1130	168	61	22		25	0.32	2.2	31	70	1,623	264	0.0	0.0	5,414	
	1230	168	61	22		25	0.32	2.2	31	70	1,596	260	0.0	0.0	5,414	
	1330	168	61	22		25	0.32	2.2	31	70	1,470	239	0.0	0.0	5,414	
12/31/2008	1000	168	53	22		25	0.32	2.2	31	62	1,645	268	1.0	0.0	5,577	
	1200	168	58	22		25	0.32	2.2	31	64	1,835	299	0.0	0.0	5,577	
	1400	168	60	22		25	0.32	2.2	31	68	1,644	268	0.0	0.0	5,632	
	1500	shut down system for holiday and long weekend														
1/5/2009	800	restart system, extraction from only B-10														
	830	168	56	21.75		24.5	0.38	2.3	35	50	2,400	390	0.0	0.0	5,632	
	900	168	56	21.25		24.25	0.34	2.5	33	54	2,395	174	1.0	1.0	5,632	
	1100	168	56	21		24	0.46	2.5	38	60	1,070	174	0.0	0.0	5,632	
		extraction from B-10 and SOMA-2 began and continued overnight														
1/6/2009	1000	168	58	21		24.25	0.48	2.6	38	66	6,250	1,017	5.0	3.0	5,632	
	1200	168	58	21		24.25	0.48	2.6	38	66	5,290	861	1.0	0.0	5,632	
		extraction from B-10, SOMA-2, and SOMA-4 began and continued overnight														
	1400	168	64	20		24	0.5	2.6	39	68	7,345	1,196	0.0	0.0	6,374	
1/7/2009	700	168	59	20		24	0.6	2.8	43	66	7,215	1,175	30.0	1.0	6,988	
	730	shut down system for carbon change out of 1000 lb vessel on vapor side														
	930	restart system with extraction from B-10 only														252
	1030	168	58	23.5		25.5	0.3	2.2	30	60	7,520	1,224	2.0	8.0	6,988	
	1130	168	56	23.5		25.5	0.3	2	30	60	5,675	924	3.0	3.0	7,045	
		extraction from B-10, B-8, SOMA-4, and SOMA-2														
	1230	168	63	21		24.5	0.4	2.3	35	62	7,360	1,198	1.0	2.0	7,096	
	1430	168	63	20.5		24.5	0.48	2.4	38	66	8,225	1,339	1.0	1.0	7,157	
1/8/2009	1000	168	62	20.5		24	0.52	2.5	40	70	9,725	1,583	0.0	0.0	7,988	
	1200	168	61	21		25	0.42	2.3	36	70	7,180	1,169	0.0	0.0	8,034	
	1400	168	61	21.5		24.5	0.44	2.3	36	70	6,885	1,121	0.0	0.0	8,034	
		extraction from B-8, SOMA-4, SOMA-2														
	1500	168	58	24		26	0.18	1.4	23	70	5,040	820	0.0	0.0	8,034	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
1/9/2009	1200	168	60	24		26.25	0.19	1.4	24	66	7,500	1,221	83.0	0.0	8,260	
	1400	168	63	24		26.25	0.19	2.2	24	70	5,370	874	100.0	0.0	8,260	
	1500	168	63	22		25	0.4	2.4	35	70	4,250	692	142.0	0.0	8,299	
1/12/2009	1030	168	69	22		25	0.4	2.4	34	78	8,690	1,415	400.0	20.0	9,025	
		pause operation to change out 55 gallon polishing vapor drum														
	1300	restart operation w/ only extraction from B-10														
	1400	168	74	22		25	0.36	2.3	33	80	1,580	257	100.0	2.0	9,029	
	1500	168	74	22		25	0.36	2.3	33	82	1,300	212	101.0	0.0	9,029	
1/13/2009	1030	168	72	22		25	0.36	2.3	33	82	2,250	366	310.0	40.0	9,029	
		pause operation to change out 55 gallon polishing vapor drum														
	1130	restart operation w/ only extraction from B-10														
	1230	168	74	23		25.75	0.28	1.8	29	84	600	98	44	0	9,029	
	1400	168	75	24		26	0.22	1.7	25	84	601	98	56	0	9,029	
1/14/2009	930	system down upon arrival; main timer = 1644.9; approximate shut down at 0930; pressure, temp., or power issues, will observe closely														
	1030	system remains shut down overnight to allow system to reset/cool down														
1/15/2009	730	change out of 1000 lb vessel for vapor and removal of 2 55 gal vapor drums and drop off of 2 new 55 gal vapor drums														
	1030	restart system with extraction from B-10, B-8, SOMA-2, SOMA-4														
	1100	168	69	23		25.5	0.28	2	29	64	3,471	565	0	0	9,029	298
	1130	168	73	23		25.5	0.28	2	29	68	2,267	369	0	0	9,029	
	1230	168	74	23		25.5	0.3	2	30	74	2,002	326	0	0	9,029	
1/16/2009	1030	168	66	23		25.5	0.3	2	30	74	2,911	474	0	0	9,195	
	1100	system shut down due to pressure, temp., or power issue - under observation														
	1230	restart system with extraction from B-10, B-8, SOMA-2, SOMA-4														
	1330	168	75	25		27	0.14	2	20	76	4,550	741	0	0	9,242	
1/19/2009	1000	system down upon arrival; main timer = 1687.2; approximate shut down at 0500 on 1/17/9; pressure, temp., or power issue under observation														
	1030	restart system with extraction from SOMA-4, B-8														
	1200	168	71	23.5		26	0.18	1.6	23	68	9,211	1,499	0	0	9,514	
	1300	168	73	23.5		26	0.2	1.6	25	70	10,000	1,628	1	0	9,570	
1/20/2009	930	system shut down upon arrival; main timer = 1700; approximate shut down at 2300 1/19/9														
	1000	restart system with extraction from SOMA-4, B-10														
	1100	168	67	23		26	0.2	1.6	25	68	7,830	1,275	0	0	10,019	
	1200	168	71	23		26	0.2	1.6	25	72	6,946	1,131	1	0	10,075	
	1330	168	73	24		27	0.1	1.3	17	74	7,400	1,205	0	0	10,075	
1/21/2009	930	system shut down upon arrival; main timer = 1710; approximate shut down at 2000 1/20/9														
	1100	inspection revealed: pressure sensor damage - internal part, diaphragm torn; pressure sensor repaired and system restarted														
	1300	168	64	22		25	0.36	2	33	72	4,934	803	0	0	10,299	
1/22/2009	1000	168	59	22		25	0.36	2.2	33	72	3,775	615	4	0	10,299	
	1100	166	59	22		25	0.36	2.2	33	72	3,290	536	11	0	10,299	
	1200	168	61	22		25	0.4	2.2	35	72	2,082	339	16	0	10,299	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
1/23/2009	1100	166	62	22		25	0.4	2.2	35	74	808	132	45	0	10,299	
	1200	166	63	21.5		24.25	0.5	2.5	39	74	810	132	46	0	10,299	
1/26/2009	1000	166	55	21.5		24.25	0.5	2.3	39	64	568	92	45	0	10,299	
		extraction from B-10, B-8, SOMA-2, and SOMA-4 began														
	1130	166	61	20		24	0.48	2.4	38	66	8,360	1,361	67	0	10,731	
	1230	166	63	20.25		24.25	0.48	2.4	38	68	9,064	1,476	92	2	10,805	
1/27/2009	1000	system down upon arrival; main timer = 1843.4 H @ ~ 2300														
	1030	xfer pum shorted causing wires to burn; repaired and rewired xfer pump; restarted system														
	1130	166	64	20.25		24.25	0.48	2.4	38	62	13,000	2,116	787	0	11,532	
		shutdown system because xfer pump short circuit and overheat causing xfer pump failure; rerouted effluent piping to GAC														
	1200	restart system														
	1300	168	66	20.5		24.5	0.5	2.4	39	64	11,800	1,921	1,555	1	11,565	
		added 2nd 55 gal carbon drum because exceeding air permit discharge conditions														
	1400	168	65	20.5		24.5	0.5	2.4	39	64	9,500	1,547	0	0	11,624	
1/28/2009	1000	168	65	20.5		24.5	0.52	2.6	40	68	8,669	1,411	0	0	12,517	
	1100	168	65	20		24	0.52	2.6	40	70	7,980	1,299	0	0	12,595	
1/29/2009	730	168	64	20		24	0.6	2.8	42	72	13,444	2,189	80	0	13,373	
		carbon change out of 1000 lb vapor vessel														
	930	restart system														
	1030	168	68	20.5		24.5	0.5	2.4	39	62	13,600	2,214	2	0	13,430	
1/30/2009	930	168	65	20.5		24.5	0.48	2.6	38	64	15,000	2,442	0	0	14,313	
		extraction from SOMA-2 only														
	1030	168	61	25		27	0.1	0.4	17	66	8,565	1,394	3	0	14,342	
2/2/2009	1230	168	67	24.5		27	0.1	1.2	17	70	15,000	2,442	0	0	14,992	
		extraction from SOMA-2, SOMA-4, and B-8														
	1330	168	74	20.5		24.5	0.5	2.4	39	70	15,000	2,442	0	0	15,021	
	1400	168	72	20		24	0.5	2.6	39	72	15,000	2,442	0	0	15,050	
2/3/2009	1500	168	76	20.5		24	0.5	2.6	38	80	15,000	2,442	120	30	15,962	
		extraction from B-10 only														
	1600	168	71	22		24.5	0.5	2.4	38	80	3,918	638	0	0	15,962	
2/4/2009	1300	168	65	22		24.5	0.44	2.4	36	72	775	126	0	0	15,989	
	1400	168	65	22		24.5	0.44	2.4	36	72	653	106	0	0	15,989	
	1500	168	67	22		24.5	0.44	2.4	36	72	627	102	0	0	15,989	
2/5/2009	1330	168	65	22		24.5	0.44	2.4	36	70	795	129	0	0	15,989	
	1430	168	65	22		24.5	0.44	2.4	36	70	672	109	0	0	15,989	
2/6/2009	730	168	61	22		24.5	0.44	2.4	36	68	1,100	179	20	0	15,989	
		carbon change out of 1000 lb vapor vessel														
	930	restart system														
	1000	168	61	21		24	0.4	2.4	35	58	785	128	0	0	15,989	
	1030	168	63	21		24	0.42	2.4	36	62	617	100	0	0	15,989	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
2/9/2009	1100	168	55	21.5		24	0.42	2.4	36	62	572	93	0	0	15,989	
		shut down system for ground water monitoring														397
2/11/2009	930	restart system with SOMA-2, SOMA-4, B-8, and B-10														
	1000	system shut down, transfer pump failed														
	1130	restart system with extraction from B-10 only, reroute piping to allow discharge of water														
	1230	168	63	21.5		24	0.44	2.4	37	50	2,000	326	0	0	15,989	
2/12/2009	930	168	55	21.5		24.5	0.44	2.4	37	60	429	70	0	0	15,989	
		closed B-10; extraction from SOMA-2, SOMA-4, and B-8														
	1030	168	60	22		26	0.22	1.8	26	62	4,500	733	0	0	16,213	
2/13/2009	900	168	60	21		24	0.32	2.2	31	60	7,840	1,276	0	0	16,213	
		extraction from B-8 only														
	1100	168	58	22		24	0.4	2.4	35	60	4,100	667	0	0	16,213	
2/16/2009	1130	168	60	22		24	0.4	2.4	35	60	500	81	2	0	16,213	
		shut down system to install new motor for transfer pump														
	1230	restart system; extraction from B-8 only														
	1330	168	62	22		24	0.4	2.4	35	60	1,500	244	0	0	16,213	
2/17/2009	1000	168	58	22		24	0.4	2.4	35	60	322	52	0	0	16,213	
	1100	168	57	22		24	0.4	2.4	35	60	255	42	0	0	16,213	
2/18/2009	1000	168	59	22.5		24.5	0.42	2.4	36	64	240	39	14	7	16,213	
		extraction from SOMA-2 only														
	1200	168	64	23		25	0.32	2.2	31	64	1,235	201	10	0	16,213	
2/19/2009	1000	168	59	24		26	0.34	2.2	32	66	775	126	4	0	18,332	
		extraction from SOMA-2, SOMA-4, B-10, and B-8														
	1100	168	65	22.5		25.5	0.26	2	28	66	1,750	285	7	0	18,358	
	1200	168	65	22.5		25.5	0.26	2	28	66	2,082	339	10	0	18,417	
2/20/2009	1000	168	64	22.5		25.5	0.28	2	29	66	2,684	437	40	0	19,272	
	1100	168	65	22.5		25.5	0.26	2	28	70	3,520	573	99	10	19,320	
		change out of 55 gal vapor drum for polishing														
	1200	168	67	22.5		25.5	0.2	2	25	65	2,330	379	33	0	19,346	
2/23/2009	1000	168	68	22.5		25.5	0.2	2	25	70	3,780		101	8	19,346	
		change out of 55 gal vapor drum for polishing; extraction from B-10 only														
	1200	168	64	24		26	0.14	2	21	64	1,385		101	0	19,346	
2/24/2009	1000	168	60	25		27	0.14	2	21	70	242	225	94	0	21,299	
	1100	168	62	25		27	0.12	1.6	19	70	154	39	88	0	21,302	
	1200	168	63	25		27	0.12	1.6	19	70	152	25	94	0	21,302	
2/25/2009	1000	168	61	25		27	0.1	1.6	17	64	251	25	83	0	21,302	
	1100	168	64	25		27	0.1	1.6	17	64	787	41	143	0	21,302	
	1200	168	66	25		27	0.1	1.6	17	66	580	128	150	0	21,302	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
2/26/2009	730	168	59	25		27	0.12	1.6	19	70	270	94	245	0	21,302	
		carbon change out of 1000 lb vapor vessel										44				476
	930	restart system														
	1030	168	62	24.5		26.5	0.12	1.4	19	64	835		0	0	21,302	
	1130	168	67	22		25	0.34	2.4	32	64	1,200	136	0	0	21,302	
		extraction from SOMA-2, SOMA-4, B-10, and B-8										195				
2/27/2009	1230	168	62	22		25	0.34	2.4	32	64	222	36	0	0	21,387	
	1330	168	63	24.5		27	0.1	1.4	17	66	760	124	0	0	21,505	
	1430	168	64	24.5		27	0.1	1.4	17	68	982	160	0	0	21,595	
3/2/2009	1030	168	65	23		26	0.14	1.4	21	68	2,721	443	32	0	21,595	
	1130	168	62	24		27	0.1	1	17	68	4,091	666	100	21	21,595	
	1230	168	61	25		27	0.1	1	18	60	2,185	356	180	0	21,595	
3/3/2009	1100	168	60	25		27	0.1	1	17	62	1,611	262	6	1	21,595	
	1200	168	60	25		27	0.1	1	17	62	1,020	166	2	0	21,595	
3/4/2009	1000	168	61	25		27	0.1	1	18	60	1,715	279	1	0	21,595	
	1100	168	62	25		27	0.1	1	18	60	2,023	329	1	0	21,595	
	1200	168	62	25		27	0.1	1	18	60	1,750	285	40	0	21,595	
3/5/2009	1000	168	60	25		27	0.08	1.4	16	68	1,120	182	0	0	21,595	
	1100	168	61	25		27	0.08	1.4	16	68	790	129	0	0	21,595	
	1200	168	61	25		27	0.08	1.4	16	68	784	128	0	0	21,595	
3/6/2009	1030	168	58	25		27	0.08	1.4	16	68	1,130	184	0	0	21,595	
	1130	168	62	25		27	0.08	1.4	16	66	828	135	0	0	21,595	
3/9/2009	1100	168	52	25		27	0.08	1.2	16	66	841	137	0	0	27,066	
		extraction from SOMA-2 and B-10														
	1200	168	59	24		26.8	0.1	1.8	17	64	3,754	611	0	0	27,107	
3/10/2009	1430	168	62	24.5		26.5	0.1	1.6	17	68	3,595	585	0	0	27,863	
	1530	168	67	23		26	0.14	1.6	21	68	5,233	852	0	0	27,913	
		extraction from SOMA-2, SOMA-4, and B-10														
3/11/2009	1530	168	68	23		26	0.18	1.8	23	70	5,054	823	0	0	29,562	
	1630	168	68	23		26	0.2	1.8	25	70	5,041	821	0	0	29,602	
3/12/2009	1000	system ok													31,885	
3/13/2009	1100	170	66	23		26	0.2	1.8	25	68	7,362	1,198	0	0	31,885	
		extraction from SOMA-4 only														
	1200	170	66	25		27	0.1	1.2	17	68	5,644	919	0	0	31,944	
	1300	168	63	25.5		27.5	0.08	1.2	16	68	5,260	856	0	0	31,944	
3/16/2009	1000	168	63	26		27.5	0.04	1.6	11	62	7,345	1,196	0	0	33,184	
		extraction from SOMA-2, SOMA-4, and B-8														
	1100	168	65	25		27	0.08	1.8	16	62	3,510	571	0	0	33,184	
	1200	168	66	25		27	0.08	1.4	16	62	2,970	483	0	0	33,184	

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MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE Δ PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
3/17/2009	1000	168	65	25		27	0.08	1.4	16	68	395	64	0	0	33,298	
		extraction from SOMA-2, SOMA-4, and B-8														
	1100	168	68	24.5		27	0.1	1.6	17	70	1,586	258	0	0	33,383	
	1200	168	70	24.5		26.5	0.14	1.6	21	70	3,216	524	0	0	33,471	
3/18/2009	1000	system ok													33,471	
3/19/2009	1000	168	69	23		26	0.24	2	27	76	7,100	1,156	30	15	35,947	
		extraction from SOMA-4 only														
	1100	168	69	25		27	0.1	1.2	17	76	5,070	825	0	0	35,975	
	1200	168	69	25		27	0.1	1.2	17	76	5,465	890	0	0	36,003	
3/20/2009	700	168	62	25		27	0.1	1.2	17	64	5,344	870	0	0	36,472	
		carbon change out of 1000 lb vapor vessel														
	930	restart system													36,472	
	1030	168	65	25		27	0.1	1.4	17	66	15,000	2,442	0	0	36,545	
	1130	168	68	25		27	0.1	1.4	17	66	9,000	1,465	0	0	36,577	
		extraction from SOMA-2, SOMA-4, and B-8														
3/23/2009	1000	168	55	25		27	0.1	1.4	17	64	5,025	818	2	0	38,962	
	1100	168	61	23		26	0.2	1.8	25	64	5,783	941	3	1	39,057	
	1200	168	63	23		26	0.2	1.8	25	64	5,354	872	0	0	39,137	
3/24/2009	1000	168	63	23		26	0.24	2	27	64	8,451	1,376	4	5	40,307	
	1100	168	63	23		26	0.24	2	27	68	7,875	1,282	6	8	40,338	
	1200	170	69	23		26	0.24	2.4	27	68	6,759	1,100	8	8	40,396	
3/25/2009		system ok													40,396	
3/26/2009	1130	168	69	23		26	0.24	2.4	27	72	6,500	1,058	0	0	42,445	
	1230	168	71	23		26	0.24	2.4	27	72	5,979	973	10	0	42,477	
3/27/2009	1100	168	72	23		26	0.28	2.4	29	76	8,460	1,377	6	7	43,427	
		extraction from SOMA-4 only														
	1200	168	71	25		27	0.1	1.4	17	74	5,825	948	0	0	43,457	
3/30/2009		system ok													43,457	
3/31/2009	1130	170	61	25		27	0.1	1.4	17	70	6,554	1,067	100	25	45,845	
	1230	170	61	25		27	0.1	1.4	17	70	6,414	1,044	100	25	45,877	
	1330	170	71	25		27	0.1	1.4	17	70	5,655	921	0	0	45,908	
4/1/2009	1100	170	70	25		27	0.1	1.4	17	80	6,220	1,013	0	0	46,532	
	1200	170	70	25		27	0.1	1.4	17	80	6,180	1,006	0	0	46,563	
	1300	170	74	25		27	0.1	1.4	17	80	5,137	836	0	0	46,589	
4/2/2009		system ok										733			46,589	
4/3/2009	730	168	58	25		27	0.08	1.4	16	68	4,500		0	0	47,758	
		carbon change out of 1000 lb vapor vessel													47,758	
	930	restart system													47,758	
	1030	168	64	25		27	0.08	1.4	16	66	8,478	1,380	0	0	47,758	
		extraction from SOMA-2, SOMA-4, and B-8														

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE Δ PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
	1130	168	67	24		26	0.18	1.8	23	70	7,455	1,214	0	0	47,803	
	1230	168	69	24		26	0.18	1.8	23	70	7,291	1,187	0	0	47,928	
4/6/2009	1300	170	76	23.5		25.5	0.26	2	28	80	6,985	1,137	0	0	50,877	
	1400	170	80	23.5		25.5	0.3	2.2	30	82	6,227	1,014	0	0	50,915	
4/7/2009	1300	170	80	23.5		25.5	0.28	2.2	29	82	6,454	1,051	0	0	52,058	
	1400	171	80	23.5		25.5	0.28	2.2	29	82	6,333	1,031	0	0	52,090	
4/8/2009	1030	172	67	22.5		25.5	0.28	2.2	29	68	6,605	1,075	0	0	52,507	
		extraction from SOMA-2 only														
	1130	172	64	25		27	0.08	1.2	16	66	7,700	1,253	0	0	52,507	
4/9/2009	1230	170	66	25		27	0.08	1.2	16	64	8,500	1,384	0	0	52,507	
	1330	170	66	25		27	0.08	1.2	16	65	8,399	1,367	0	0	52,507	
4/10/2009	1030	170	64	25		27	0.08	1.2	16	68	8,674	1,412	0	0	52,507	
	1130	170	64	25		27	0.08	1.2	16	67	8,356	1,360	0	0	52,507	
4/13/2009	1000	170	67	25		27	0.08	1.2	16	66	8,125	1,323	100	25	53,805	
	1100	172	69	25		27	0.08	1.2	16	68	8,835	1,438	0	0	53,809	
	1200	172	69	25		27	0.08	1.2	16	68	9,100	1,481	10	0	53,809	
4/14/2009	1030	172	62	25		27	0.1	1.6	17	70	8,100	1,319	0	0	54,061	
	1130	172	62	25		27	0.1	1.6	17	70	10,000	1,628	0	0	54,075	
4/15/2009	1000	170	60	25		27	0.1	1.6	17	68	9,700	1,579	0	0	54,271	
	1100	170	65	25		27	0.1	1.6	17	68	10,000	1,628	0	0	54,282	
4/16/2009	700	170	63	25		27	0.1	1.6	17	64	10,000	1,628	0	0	54,457	
															54,457	
	900														54,457	
	1000	170	64	25		27	0.1	1.6	17	65	12,111	1,972	0	0	54,457	
4/17/2009	1300	170	64	25		27	0.1	1.6	17	65	11,124	1,811	0	0	54,665	
4/20/2009	1700	180	84	25		27	0.1	1.6	17	85	10,000	1,628	0	0	55,381	
4/21/2009	1330	186	86	25		27	0.1	1.6	17	86	14,000	2,279	10	0	55,603	
	1430	186	86	25		27	0.1	1.6	17	86	14,000	2,279	10	0	55,603	
4/22/2009	1300	180	76	25		27	0.1	1.6	17	80	7,200	1,172	0	0	55,803	
	1400	180	76	25		27	0.1	1.6	17	80	7,281	1,185	0	0	55,803	
4/23/2009	1300	176	69	25		27	0.1	1.6	17	66	9,220	1,501	0	0	55,997	
	1400	176	69	25		27	0.1	1.6	17	65	9,111	1,483	0	0	55,997	
4/24/2009	1300	176	67	25		27	0.1	1.6	18	58	15,000	2,442	0	0	56,224	
	1400	176	68	25		27	0.1	1.6	18	58	15,000	2,442	0	0	56,224	
4/27/2009	1230	174	66	24.5		26.5	0.1	1.8	17	64	8,935	1,455	0	0	56,839	
	1330	174	68	24.5		26.5	0.1	1.8	17	64	8,670	1,411	0	0	56,839	
4/28/2009	1400	174	68	24.5		26.5	0.1	1.8	17	64	8,770	1,428	0	0	57,046	
4/29/2009	1230	174	68	25		27	0.1	1.8	17	68	7,650	1,245	0	0	57,258	
4/30/2009	1330	174	69	24.75		27	0.1	2	17	70	8,000	1,302	0	0	57,454	
	1430	174	72	24.75		27	0.1	2	17	70	10,000	1,628	0	0	57,454	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
5/1/2009	730	174	63	24.75		27	0.1	2	17	64	8,500	1,384	75	0	57,623	
		carbon change out of 1000 lb vapor vessel													57,623	
	1000	restart													57,623	
	1300	174	68	25		27	0.1	1.6	17	68	7,500	1,221	0	0	57,623	
5/4/2009	1000	174	68	25		27	0.1	1.6	17	70	8,975	1,461	0	0	57,623	
		shut down system for drilling; additional site investigation													57,623	
5/6/2009	1300	restart with SOMA-2, SOMA-4, and B-8													57,623	
	1400	176	76	22.5		25.5	0.28	2.2	29	73	6,434	1,047	0	0	57,623	
5/7/2009	1200	176	77	22.5		25.5	0.28	2.2	29	74	6,125	997	0	0	59,779	
	1300	176	76	22.5		25.5	0.28	2.2	29	74	6,380	1,039	0	0	59,779	
		shut down system to allow 1000 lb liquid vessel to drain for change out													59,779	
5/8/2009	700	change out of 1000 lb liquid vessel													59,779	
	1000	restart													59,779	
	1100	172	75	23		26	0.2	1.8	25	70	8,300	1,351	0	0	59,896	
5/11/2009	1700	182	79	23		26	0.2	2.6	25	70	8,450	1,376	0	0	63,401	
	1800	182	77	23		26	0.2	2.6	25	71	9,675	1,575	0	0	63,401	
5/12/2009	1430	182	79	22		25	0.16	2.5	22	74	8,653	1,409	0	0	64,127	
	1530	182	79	22		25	0.16	2.5	22	74	8,930	1,454	0	0	64,127	
5/13/2009	1430	182	79	22		25	0.16	2.5	22	74	9,664	1,573	0	8	64,858	
5/14/2009	1230	180	78	22		25	0.22	2.2	26	72	8,800	1,433	100	15	65,801	
	1330	180	79	22		25	0.18	2.2	23	72	7,011	1,141	0	0	65,830	
5/15/2009	1300	180	79	22		25	0.18	2.2	23	72	7,000	1,140	0	0	66,591	
5/18/2009	830	180	64	22		25	0.18	2.2	23	64	7,100	1,156	0	0	68,046	
		shut down system to reconstruct wells SOMA-4, B-8, & B-10 and construct new wells MPE-1,2,3,4,5														
5/21/2009	1500	carbon change out of 1000 lb vapor vessel; restart with SOMA-4														
	1600	180	71	25		27	0.1	1.4	17	70	7,000	1,140	0	0	68,084	
5/22/2009	1500	176	71	24		26	0.16	1.8	22	78	5,347	870	0	0	69,117	
5/26/2009	1200	176	71	24		26	0.16	1.8	22	78	5,500	895	0	0	70,161	
5/27/2009	1200	176	71	24		26	0.16	1.8	22	78	5,500	895	0	0	71,792	
5/28/2009	1200	176	71	24		26	0.16	1.8	22	78	5,500	895	0	0	73,061	
5/29/2009	1200	182	72	23.5		26	0.18	1.8	23	76	6,300	1,026	0	0	74,601	
6/1/2009	1430	182	71	23.5		26	0.18	1.8	23	70	4,590	747	0	0	76,684	
		extraction from MPE-4 only														
	1530	174	72	26		28	0.04	1	11	70	825	134	0	0	76,718	
6/2/2009	1130	178	68	24.5		26.75	0.12	1.6	19	68	4,720	768	0	0	77,310	
	1230	180	73	24.5		26.75	0.12	1.6	19	70	5,200	847	0	0	77,339	
6/3/2009	1130	182	73	24		26	0.2	1.8	25	70	3,066	499	0	0	77,793	
	1230	184	75	24		26	0.18	1.8	23	76	2,670	435	0	0	77,847	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
6/4/2009	730	180	64	24		26	0.18	1.8	23	64	2,500	407	0	0	78,087	
		carbon change out of 1000 lb vapor vessel														
	1100	restart extraction with MPE-3 & 5														
	1300	182	75	22.5		25	0.3	2.2	30	62	15,000	2,442	0	0	78,227	
6/5/2009	1200	184	73	22		25	0.34	2.4	32	70	2,620	427	0	0	78,477	
		extraction from MPE-2 only														
	1400	184	74	24		26	0.14	1.6	21	70	3,660	596	0	0	78,578	
		extraction from MPE-2 & 3											0	0		
	1500	186	75	22.5		25.5	0.3	2.2	30	70	3,990	650	0	0	78,608	
6/8/2009	1400	190	70	21.5		24.5	0.4	2.6	35	70	3,450	562	0	0	79,507	
6/9/2009	1400	184	70	21.5		24.5	0.4	2.6	35	70	3,065	499	0	0	79,652	
		extraction from MPE-2 only														
6/10/2009	1500	181	72	23.5		26	0.2	2	25	70	3,620	589	0	0	79,822	
6/11/2009	1200	184	74	23.5		26	0.22	2	26	70	3,550	578	0	0	79,822	
		extraction from SOMA-2 only for sampling														
	1300	182	75	25		27.5	0.04	1	11	70	3,820	622	0	0	79,822	
		extraction from B-10 only for sampling														
	1400	182	78	25		27	0.08	1.2	16	70	6,717	1,093	0	0	79,822	
		extraction from MPE-1 only for sampling														
	1500	182	78	25		27	0.1	1.2	17	70	8,000	1,302	0	0	79,822	
		extraction from MPE-2 only														
6/12/2009	1000	180	64	25		27	0.1	1.2	17	70	7,500	1,221	0	0	79,822	
	1200	carbon change out of 1000 lb vapor vessel; restart with MPE-2 & 5													79,822	
6/15/2009	700	180	64	22.5		25	0.3	2.4	30	70	3,000	488	0	0	80,298	
6/16/2009	700	180	64	22.5		25	0.3	2.4	30	70	2,511	409	0	0	80,431	
6/17/2009	1100	186	74	22.5		25	0.3	2.4	30	70	2,330	379	0	0	80,526	
6/18/2009	1200	186	74	22.5		25	0.3	2.4	30	70	3,451	562	0	0	80,622	
6/19/2009	900	190	76	22.5		25	0.36	2.4	33	70	4,300	700	0	0	80,622	
	1030	190	76	22.5		25	0.36	2.4	33	70	4,297	700	0	0	80,622	
		extraction from LFR-2 only														
	1130	190	82	25		27	0.1	1.6	17	74	3,110	506	0	0	80,642	
	1230	190	83	25		27	0.1	1.6	17	74	3,710	604	0	0	80,642	
	1330	190	86	25		27	0.1	1.6	17	76	3,733	608	0	0	80,668	
6/22/2009	1100	190	76	23		25.5	0.28	2.2	29	70	2,175	354	0	0	80,869	
		end extraction from LFR-2; begin extraction from MPE-5														
6/23/2009	1030	186	76	24.5		26.5	0.14	1.6	21	70	2,608	425	100	0	81,095	
		carbon change out of 1000 lb vapor vessel														
	1300	restart with MPE-2														
	1400	190	79	23		25	0.26	2	28	72	3,200	521	0	0	81,095	
6/24/2009	1230	188	72	23		25	0.3	2.2	30	74	2,880	469	0	0	81,095	

Table 5: MTS Operation Data

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DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
		extraction from B-10R only														
	1330	182	73	25		27	0.1	1.2	17	74	5,420	882	0	0	81,095	
	1430	187	72	25		27	0.1	1.2	17	74	5,544	903	0	0	81,095	
6/25/2009	930	180	69	24		26.5	0.16	1.6	22	66	7,400	1,205	0	0	82,095	
		extraction from B-10R & MPE-1														
	1030	190	77	22.5		25	0.3	2.6	30	70	15,000	2,442	0	0	82,145	
	1130	190	73	22.5		25	0.3	2.6	30	70	4,790	780	0	0	82,175	
		extraction from B-10 only														
	1300	190	75	24.5		26.5	0.2	1.6	24	74	4,400	716	0	0	82,205	
		extraction from B-10R & MPE-1														
	1430	190	78	23		26	0.26	2	28	78	5,555	904	0	0	82,235	
6/26/2009	1330	190	77	23		25	0.3	2	30	79	10,200	1,660	0	0	82,845	
	1430	190	77	23		25	0.3	2	30	74	9,820	1,599	0	0	82,855	
6/29/2009	1430	200	79	22		25	0.34	2	32	80	3,500	570	0	0	84,495	
6/30/2009	1430	200	79	22		25	0.36	2	33	80	5,500	895	0	0	84,995	
7/1/2009	1500	200	75	22		25	0.4	2.6	34	80	6,419	1,045	0	0	85,475	
7/2/2009	930	192	70	22		25	0.38	2.4	34	72	6,000	977	0	0	85,808	
		carbon change out of 1000 lb vapor vessel														
		surveying of newly installed wells and newly rebuilt wells														
	1500	restart with MPE-1														
7/3/2009	1200	190	74	23		25	0.3	2.2	30	72	6,500	1,058	0	0	85,968	
	1300	190	72	24		26	0.2	2	25	72	5,520	899	0	0	85,968	
7/6/2009	1030	182	70	23		26	0.2	2	25	68	4,990	812	0	0	86,225	
	1130	186	75	24		26	0.2	2	25	68	5,804	945	0	0	86,285	
7/7/2009	1400	190	77	23.5		26	0.22	2	26	70	4,282	697	20	0	86,365	
7/8/2009	1030	190	74	24.5		26	0.22	2	26	69	3,960	645	84	0	86,425	
	1130	190	77	23.5		26	0.22	2	26	72	4,002	651	79	0	86,425	
7/9/2009	1700	192	80	23.5		26	0.14	2	21	72	3,584	583	94	3	86,525	
7/10/2009	1530	192	79	23.5		26	0.2	2	25	72	3,563	580	96	4	86,615	
7/13/2009	1030	190	76	23.5		26	0.22	2	26	70	3,992	650	0	0	86,853	
		extraction from B-10R & MPE-1														
	1130	194	80	22		25	0.34	2.4	32	74	6,342	1,032	0	0	86,881	
7/14/2009	1530	194	80	22		25	0.34	2.6	32	80	6,122	997	50	5	87,485	
	1630	196	80	22		25	0.34	2.6	32	80	5,990	975	44	3	87,485	
7/15/2009	1330	198	77	21		24.5	0.36	2.8	33	80	5,300	863	100	7	88,161	
7/16/2009	930	190	71	20		24	0.46	2.8	37	74	5,250	855	150	10	88,624	
		carbon change out of 1000 lb vapor vessel														
	1200	restart with MPE-1, B-10R, & SOMA-2														
	1300	190	75	22		25	0.34	2.6	32	64	5,815	947	0	0	88,655	

Table 5: MTS Operation Data

MTS OPERATIONAL DATA

DATE	TIME	PUMP TEMPERATURE (F)	CONDENSER TEMPERATURE (F)	STINGER VACUUM (IN-Hg)	CASING VACUUM (IN-Hg)	PUMP VACUUM (IN-Hg)	PITOT TUBE & PRESSURE (IN-H2O)	PUMP OUTLET (Psi)	TOTAL FLOW RATE (SCFM)	EFFLUENT TEMPERATURE (F)	INFLUENT CONCENTRATION (PPMV as hexane)	INFLUENT CONCENTRATION (PPMV as TPH-ss)	MID EFFLUENT CONCENTRATION (PPMV)	END EFFLUENT CONCENTRATION (PPMV)	WATER TOTALIZER	POWER USAGE (KWH)
7/17/2009	1330	194	81	21.1		24.75	0.4	2.8	35	76	5,640	918	0	0	89,040	
		extraction from SOMA-2 & MPE-1														
7/20/2009	1530	195	83	22		25	0.38	2.4	34	79	6,830	1,112	0	0	89,295	
7/21/2009	930	186	69	22		25	0.38	2.4	34	68	6,720	1,094	0	0	89,741	
		extraction from SOMA-2 only for sampling														
	1000	184	68	24		26	0.18	1.6	23	70	9,500	1,547	0	0	89,741	
		extraction from MPE-1 only for sampling														
	1030	186	71	22.5		25	0.32	2.2	31	68	9,900	1,612	0	0	89,770	
		extraction from B-10R only for sampling														
	1130	184	72	23.5		26	0.2	1.8	25	68	12,450	2,027	0	0	89,793	
		extraction from B-10R & MPE-2														
7/22/2009	930	188	72	21.5		24.5	0.38	2.6	34	68	6,300	1,026	0	0	90,452	
	1030	190	73	21.5		24.5	0.44	2.8	36	68	6,944	1,130	0	0	90,452	
	1100	190	73	21.5		24.5	0.44	2.8	36	68	6,756	1,100	0	0		
		extraction from SOMA-4 & MPE-1														
	1200	190	75	22		25	0.32	2.4	31	70	8,521	1,387	0	0	90,471	
7/23/2009	1130	190	74	22		25	0.34	2.4	32	68	7,504	1,222	0	0	91,032	
7/24/2009	1530	193	79	22		25	0.34	2.4	32	71	6,333	1,031	0	0	91,565	
7/27/2009	1230	190	74	22		25	0.36	2.4	33	70	5,178	843	0	0	92,965	
7/28/2009	1330	194	80	22		25	0.4	2.6	35	72	11,338	1,846	300	50	93,441	
		extraction from MPE-1														
	1430	190	77	25		27	0.1	2.4	17	72	4,650	757	97	10	93,445	
7/29/2009	1400	186	74	25		27	0.1	2.6	17	70	2,840	462	144	10	93,523	
	1500	186	74	25		27	0.1	2.6	17	70	2,951	480	101	7	93,523	
7/30/2009	1000	180	65	25		27	0.1	2.6	17	65	3,351	546	54	4	93,571	
	1030	carbon change out of 1000 lb vapor vessel														
	1130	restart with B-10R & MPE-2														
	1230	200	75	22.5		25.5	0.3	2.2	30	72	8,000	1,302	0	0	93,600	
7/31/2009	1300	200	76	22		25	0.36	2.6	33	80	15,000	2,442	183	25	94,397	
		extraction from B-10R														
	1330	196	75	25		26.5	0.16	2.4	22	80	5,300	863	20	2	94,425	

Table 5: MTS Operation Data

Table 6

**Dec 2008 - 2009 MPE Pilot Test
Extraction Data and VOC Mass Removal Rate**

3815 Broadway
Oakland, California

WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL			
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min
SOMA-4, 2 B-10, 8	START	12/17/2008	1300	0										
	STEADY-STATE		1330	30	30	23	690	1.8206	939	0.0009	0.2462	0.0082	12	
			1430	60	90	23	1,380	3.6412	977	0.0010	0.5121	0.0085	12	
	pause	12/18/2008	0830	1080	1,170	23	24,840	65.5409	977	0.0010	9.2208	0.0085	12	
			restart	1330	0	1,170								
			1400	30	1,200	23	684	1.8059	1,677	0.0017	0.4360	0.0145	21	
	pause	12/19/2008	1430	30	1,230	24	722	1.9055	1,563	0.0016	0.4288	0.0143	21	
			restart	1530	60	1,290	21	1,288	3.3992	875	0.0009	0.4283	0.0071	10
			900	0	1,290									
	pause	12/22/2008	1000	60	1,350	20	1,222	3.2247	1,026	0.0010	0.4762	0.0079	11	
			restart	1100	60	1,410	20	1,217	3.2124	686	0.0007	0.3173	0.0053	8
			1200	60	1,470	20	1,200	3.1662	566	0.0006	0.2579	0.0043	6	
			1300	60	1,530	19	1,140	3.0079	488	0.0005	0.2115	0.0035	5	
			1430	90	1,620	20	1,800	4.7493	494	0.0005	0.3379	0.0038	5	
			1500	30	1,650	19	570	1.5040	444	0.0004	0.0962	0.0032	5	
			900	3960	5,610	21	83,160	219.4195	256	0.0003	8.1012	0.0020	3	
			1100	120	5,730	29	3,480	9.1821	309	0.0003	0.4085	0.0034	5	
			1230	90	5,820	30	2,700	7.1240	405	0.0004	0.4158	0.0046	7	
			1330	60	5,880	30	1,800	4.7493	341	0.0003	0.2332	0.0039	6	
	pause	12/23/2008	1400	60	5,940	30	1,800	4.7493	316	0.0003	0.2161	0.0036	5	
			restart	930	1170	7,110	30	35,100	92.6121	279	0.0003	3.7211	0.0032	5
			1030	60	7,170	30	1,800	4.7493	417	0.0004	0.2850	0.0048	7	
			1130	60	7,230	30	1,800	4.7493	271	0.0003	0.1855	0.0031	4	
	pause	12/24/2008	1330	120	7,350	30	3,600	9.4987	294	0.0003	0.4019	0.0033	5	
			restart	1000	1230	8,580	30	37,135	97.9824	300	0.0003	4.2355	0.0034	5
			1200	120	8,700	30	3,616	9.5411	273	0.0003	0.3758	0.0031	5	
	pause	12/29/2008	restart	1000	0	8,700								
			1100	60	8,760	30	1,825	4.8164	296	0.0003	0.2055	0.0034	5	
			1300	120	8,880	30	3,623	9.5593	269	0.0003	0.3704	0.0031	4	
			1400	60	8,940	31	1,864	4.9177	245	0.0002	0.1737	0.0029	4	
			930	1170	10,110	31	36,413	96.0769	289	0.0003	3.9977	0.0034	5	
			1030	60	10,170	31	1,867	4.9270	295	0.0003	0.2096	0.0035	5	
			1130	60	10,230	31	1,864	4.9177	264	0.0003	0.1871	0.0031	4	
1230			60	10,290	31	1,864	4.9177	260	0.0003	0.1840	0.0031	4		
1330			60	10,350	31	1,864	4.9177	239	0.0002	0.1695	0.0028	4		
1000			750	11,100	31	23,476	61.9407	268	0.0003	2.3885	0.0032	5		
pause	12/31/2008	restart	1200	120	11,220	31	3,749	9.8916	299	0.0003	0.4255	0.0035	5	
		1400	120	11,340	31	3,735	9.8540	268	0.0003	0.3798	0.0032	5		
		1500	60	11,400	31	1,867	4.9270	268	0.0003	0.1899	0.0032	5		
		11,400												
		800	0	11,400										
B-10	restart	1/5/2009	830	30	11,430	35	1,035	2.7315	390	0.0004	0.1534	0.0051	7	
			900	30	11,460	33	975	2.5737	174	0.0002	0.0646	0.0022	3	
B-10, SOMA-2		1/6/2009	1100	120	11,580	38	4,512	11.9051	174	0.0002	0.2983	0.0025	4	
			1000	1380	12,960	38	52,701	139.0536	1,017	0.0010	20.3730	0.0148	21	
B-10, SOMA-2, 4			1200	120	13,080	38	4,560	12.0317	861	0.0009	1.4920	0.0124	18	
			1400	120	13,080	39	4,680	12.3483	1,196	0.0012	0.0000	0.0000	0.0000	0.0000
B-10	c/o	1/7/2009	700	1020	14,220	43	43,551	114.9101	1,175	0.0012	19.4351	0.0191	27	
			730	30	14,250	43	1,281	3.3797	1,175	0.0012	0.5718	0.0191	27	
			14,250											
B-10			930	0	14,250									

Table 6

**Dec 2008 - 2009 MPE Pilot Test
Extraction Data and VOC Mass Removal Rate**

3815 Broadway
Oakland, California

WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL				
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min	lbs/day
B-10, 8, SOMA-2, 4		1/8/2009	1000	30	14,280	8	235	0.6206	1,224	0.0012	0.1094	0.0036	5		
			1030	30	14,310	30	911	2.4036	924	0.0009	0.3198	0.0107	15		
			1130	60	14,370	30	1,822	4.8071		0.0000	0.0000	0.0000	0		
			1230	60	14,430	35	2,100	5.5401	1,198	0.0012	0.9559	0.0159	23		
			1430	120	14,550	38	4,583	12.0916	1,339	0.0013	2.3314	0.0194	28		
			1000	1110	15,660	40	43,954	115.9744	1,583	0.0016	26.4389	0.0238	34		
			1200	120	15,780	36	4,320	11.3984	1,169	0.0012	1.9185	0.0160	23		
			1400	120	15,900	36	4,371	11.5331	1,121	0.0011	1.8614	0.0155	22		
B-8, SOMA-2, 4		1/9/2009			15,900										
			1500	60	15,960	23	1,398	3.6883	820	0.0008	0.4358	0.0073	10		
			1200	1260	17,220	24	30,274	79.8785	1,221	0.0012	14.0438	0.0111	16		
			1400	120	17,340	24	2,880	7.5989	874	0.0009	0.9566	0.0080	11		
			1500	60	17,400	35	2,100	5.5409	692	0.0007	0.5520	0.0092	13		
B-10	pause restart	1/12/2009	1030	4050	21,450	34	139,607	368.3572	1,415	0.0014	75.0380	0.0185	27		
					21,450										
				1300	0	21,450									
				1400	60	21,510	33	1,958	5.1675	257	0.0003	0.1914	0.0032	5	
				1500	60	21,570	33	1,955	5.1580	212	0.0002	0.1572	0.0026	4	
			1/13/2009	1030	1170	22,740	33	38,120	100.5803	366	0.0004	5.3050	0.0045	7	
		pause restart			22,740										
B-10, 8, SOMA-2, 4		1/14/2009	1130	0	22,740										
			1230	60	22,800	29	1,721	4.5405	98	0.0001	0.0639	0.0011	2		
			1400	90	22,890	25	2,288	6.0371	98	0.0001	0.0851	0.0009	1		
			930	1170	24,060	25	29,745	78.4825	98	0.0001	1.1075	0.0009	1		
			pause restart c/o			24,060									
B-10, 8, SOMA-2, 4		1/15/2009	730	0	24,060										
			restart			24,060									
				1030	0	24,060									
				1100	30	24,090	29	877	2.3132	565	0.0006	0.1882	0.0063	9	
				1130	30	24,120	29	873	2.3044	369	0.0004	0.1225	0.0041	6	
				1230	60	24,180	30	1,798	4.7437	326	0.0003	0.2226	0.0037	5	
				1/16/2009	1030	1320	25,500	30	39,553	104.3612	474	0.0005	7.1215	0.0054	8
			pause restart			25,530									
					1230	0	25,530								
			pause restart			25,590									
SOMA-4, B-8,		1/19/2009	1330	60	25,590	20	1,226	3.2345	741	0.0007	0.3450	0.0057	8		
			1000	4110	29,700	20	83,973	221.5638	741	0.0007	23.6417	0.0058	8		
			1030	0	29,700										
			1200	90	29,790	23	2,101	5.5429	1,499	0.0015	1.1968	0.0133	19		
SOMA-4, 2		1/20/2009	1300	60	29,850	25	1,473	3.8878	1,628	0.0016	0.9114	0.0152	22		
			930	600	30,450	25	14,735	38.8780	1,628	0.0016	9.1142	0.0152	22		
			1000	0	30,450										
B-10, 8, SOMA-2, 4		1/21/2009	1100	60	30,510	25	1,476	3.8952	1,275	0.0013	0.7150	0.0119	17		
			1200	60	30,570	25	1,471	3.8805	1,131	0.0011	0.6318	0.0105	15		
			1330	90	30,660	17	1,557	4.1082	1,205	0.0012	0.7126	0.0079	11		
			930	450	31,110	17	7,650	20.1847	1,205	0.0012	3.5024	0.0078	11		
			1100	0	31,110										
B-10		1/22/2009	1300	120	31,230	33	3,960	10.4485	803	0.0008	1.2085	0.0101	15		
			1000	1260	32,490	33	41,580	109.7098	615	0.0006	9.7085	0.0077	11		
			1100	60	32,550	33	1,980	5.2243	536	0.0005	0.4029	0.0067	10		
			1200	60	32,610	35	2,100	5.5409	339	0.0003	0.2704	0.0045	6		
B-10, 8, SOMA-2, 4		1/23/2009	1100	1380	33,990	35	47,748	125.9835	132	0.0001	2.3863	0.0017	2		
			1200	60	34,050	39	2,321	6.1241	132	0.0001	0.1163	0.0019	3		
			1000	4200	38,250	39	164,015	432.7568	92	0.0001	5.7621	0.0014	2		
			restart			38,250									
B-10, 8, SOMA-2, 4		1/26/2009	1130	60	38,310	38	2,291	6.0458	1,361	0.0014	1.1848	0.0197	28		
			1230	60	38,370	38	2,287	6.0343	1,476	0.0015	1.2822	0.0214	31		

Table 6

**Dec 2008 - 2009 MPE Pilot Test
Extraction Data and VOC Mass Removal Rate**

3815 Broadway
Oakland, California

WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL			
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min
SOMA-2	pause	1/27/2009	1000	630	39,000	38	23,940	63.1662	1,476	0.0015	13.4214	0.0213	31	
	restart		1030	0	39,000									
	pause	1/28/2009	1130	60	39,060	38	2,300	6.0689	2,116	0.0021	1.8495	0.0308	44	
	restart		1200	0	39,060									
		1/29/2009	1300	60	39,120	39	2,343	6.1822	1,921	0.0019	1.7101	0.0285	41	
			1400	60	39,120									
		1/30/2009	1000	1200	40,380	40	48,000	126.6491	1,411	0.0014	25.7373	0.0214	31	
			1100	60	40,440	40	2,400	6.3325	1,299	0.0013	1.1846	0.0197	28	
		2/2/2009	730	1230	41,670	42	52,220	137.7844	2,189	0.0022	43.4231	0.0353	51	
	pause c/o		930	0	41,670									
		2/3/2009	1030	60	41,730	39	2,348	6.1941	2,214	0.0022	1.9747	0.0329	47	
	restart		1030	1380	43,110	38	52,802	139.3187	2,442	0.0024	48.9883	0.0355	51	
		2/4/2009	1030	60	43,110									
			1030	60	43,170	17	1,046	2.7595	1,394	0.0014	0.5541	0.0092	13	
		2/5/2009	1230	4440	47,610	17	77,101	203.4325	2,442	0.0024	71.5325	0.0161	23	
			1330	60	47,610									
	B-8, SOMA-2, 4		2/5/2009	1400	30	47,700	39	1,163	3.0678	2,442	0.0024	2.1615	0.0360	52
		1500		1500	49,200	39	58,500	154.3536	2,442	0.0024	54.2750	0.0362	52	
	B-10		2/6/2009	1600	60	49,200								
		1300		1260	50,260	38	2,280	6.0158	638	0.0006	0.5525	0.0092	13	
		2/9/2009	1400	60	50,520	36	45,360	119.6834	126	0.0001	2.1743	0.0017	2	
	1500		60	50,580	36	2,160	5.6992	106	0.0001	0.0872	0.0015	2		
		2/9/2009	1500	60	50,640	36	2,160	5.6992	102	0.0001	0.0838	0.0014	2	
	1330		1350	51,990	36	48,600	128.2322	129	0.0001	2.3898	0.0018	3		
		2/9/2009	1430	60	52,050	36	2,160	5.6992	109	0.0001	0.0898	0.0015	2	
	730		1020	53,070	36	37,224	98.2166	179	0.0002	2.5326	0.0025	4		
	pause c/o	2/9/2009	930	0	53,070									
	restart		1000	30	53,100	35	1,054	2.7807	128	0.0001	0.0512	0.0017	2	
		2/11/2009	1030	30	53,130	36	1,076	2.8385	100	0.0001	0.0411	0.0014	2	
	pause		1100	1410	54,540	36	50,562	133.4086	93	0.0001	1.7888	0.0013	2	
	restart	2/11/2009	930	0	54,540									
	pause		1000	30	54,570	36	1,080	2.8496	93	0.0001	0.0382	0.0013	2	
	restart	2/12/2009	1130	0	54,570									
	1230		60	54,630	37	2,228	5.8785	326	0.0003	0.2756	0.0046	7		
		2/12/2009	930	1260	55,890	37	46,335	122.2561	70	0.0001	1.2295	0.0010	1	
	1030		60	55,950	26	1,557	4.1087	733	0.0007	0.4334	0.0072	10		
B-8, SOMA-2, 4		2/13/2009	900	1350	57,300	31	42,337	111.7075	1,276	0.0013	20.5301	0.0152	22	
	1100		120	57,300										
B-8		2/16/2009	1130	1410	57,420	35	4,207	11.1016	667	0.0007	1.0670	0.0089	13	
	1230		0	58,830	35	49,438	130.4436	81	0.0001	1.5289	0.0011	2		
	pause	2/17/2009	1230	0	58,830									
	restart		1330	60	58,890	35	2,104	5.5508	244	0.0002	0.1952	0.0033	5	
		2/18/2009	1000	1230	60,120	35	43,127	113.7912	52	0.0001	0.8589	0.0007	1	
	1100		60	60,180	35	2,104	5.5508	42	0.0000	0.0332	0.0006	1		
		2/19/2009	1000	1380	61,560	36	49,392	130.3207	39	0.0000	0.7332	0.0005	1	
SOMA-2			1200	0	61,560									
		2/19/2009	1200	0	61,680	31	3,749	9.8916	201	0.0002	0.2864	0.0024	3	
	1000		1320	63,000	32	42,426	111.9427	126	0.0001	2.0337	0.0015	2		

Table 6

**Dec 2008 - 2009 MPE Pilot Test
Extraction Data and VOC Mass Removal Rate**

3815 Broadway
Oakland, California

WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL			
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min
B-10, 8, SOMA-2, 4		2/20/2009	1100	0	63,000									
			1100	60	63,060	28	1,686	4.4496	285	0.0003	0.1825	0.0030	4	
			1200	60	63,120	28	1,686	4.4496	339	0.0003	0.2172	0.0036	5	
			1000	1320	64,440	29	38,501	101.5864	437	0.0004	6.3916	0.0048	7	
			1100	60	64,500	28	1,680	4.4328	573	0.0006	0.3658	0.0061	9	
			1200	60	64,560	25	1,480	3.9063	379	0.0004	0.2134	0.0036	5	
			2/23/2009	1000	4200	68,760	25	105,000	277.0449	615	0.0006	24.5490	0.0058	8
			2/24/2009	1000	1320	70,200	21	2,520	6.6491	225	0.0002	0.2159	0.0018	3
			2/25/2009	1000	1320	71,640	17	23,053	60.8252	41	0.0000	0.3579	0.0003	0
B-10		2/26/2009	1100	60	71,700	17	1,048	2.7648	128	0.0001	0.0510	0.0009	1	
			1200	60	71,760	17	1,046	2.7595	94	0.0001	0.0375	0.0006	1	
			730	1170	72,930	19	22,256	58.7238	44	0.0000	0.3717	0.0003	0	
			930	0	72,930									
			1030	60	72,990	19	1,148	3.0287	136	0.0001	0.0593	0.0010	1	
			1130	60	73,050	32	1,932	5.0980	195	0.0002	0.1434	0.0024	3	
			2/27/2009	1230	1500	74,550	32	48,304	127.4502	36	0.0000	0.6633	0.0004	1
			3/2/2009	1330	60	74,610	17	1,046	2.7595	124	0.0001	0.0492	0.0008	1
			1430	60	74,670	17	1,044	2.7543	160	0.0002	0.0634	0.0011	2	
B-10, 8, SOMA-2, 4		3/2/2009	1030	4080	78,750	21	83,989	221.6065	443	0.0004	14.1352	0.0035	5	
			1130	60	78,810	17	1,044	2.7543	666	0.0007	0.2641	0.0044	6	
			1230	60	78,870	18	1,052	2.7754	356	0.0004	0.1422	0.0024	3	
			3/3/2009	1100	1350	80,220	17	22,950	60.5541	262	0.0003	2.2868	0.0017	2
			1200	60	80,280	17	1,020	2.6913	166	0.0002	0.0644	0.0011	2	
			3/4/2009	1000	1320	81,600	18	23,760	62.6913	279	0.0003	2.5204	0.0019	3
			1100	60	81,660	18	1,080	2.8496	329	0.0003	0.1351	0.0023	3	
			1200	60	81,720	18	1,080	2.8496	285	0.0003	0.1169	0.0019	3	
			3/5/2009	1000	1320	83,040	16	20,541	54.1972	182	0.0002	1.4229	0.0011	2
SOMA-2, B-10		3/10/2009	1100	60	83,100	16	934	2.4635	129	0.0001	0.0456	0.0008	1	
			1200	60	83,160	16	934	2.4635	128	0.0001	0.0453	0.0008	1	
			3/6/2009	1030	1350	84,510	16	21,008	55.4290	184	0.0002	1.4683	0.0011	2
			1130	60	84,570	16	935	2.4682	135	0.0001	0.0479	0.0008	1	
			3/9/2009	1100	1410	85,980	16	21,983	58.0025	137	0.0001	1.1435	0.0008	1
			1200	60	85,980	17	1,048	2.7648	611	0.0006	0.2433	0.0041	6	
			1430	1590	87,630	17	27,663	72.9887	585	0.0006	6.1510	0.0039	6	
			3/11/2009	1530	60	87,690	21	1,235	3.2589	852	0.0009	0.3998	0.0067	10
			1530	0	87,690									
B-10, SOMA-2, 4		3/12/2009	1530	1440	89,130	23	33,549	88.5189	823	0.0008	10.4873	0.0073	10	
			1630	60	89,190	25	1,473	3.8878	821	0.0008	0.4594	0.0077	11	
			1000	1050	90,240									
			3/13/2009	1100	1500	91,740	25	36,907	97.3788	1,198	0.0012	16.8055	0.0112	16
SOMA-4		3/16/2009	1200	0	91,740									
			1300	60	91,800	17	1,044	2.7543	919	0.0009	0.3644	0.0061	9	
			1000	4140	96,000	11	45,815	120.8844	1,196	0.0012	20.8139	0.0050	7	
			1300	60	91,860	16	934	2.4635	856	0.0009	0.3038	0.0051	7	
B-8, SOMA-2, 4		3/17/2009	1000	0	96,000									
			1100	60	96,060	16	939	2.4776	571	0.0006	0.2039	0.0034	5	
			1200	60	96,120	16	939	2.4776	483	0.0005	0.1725	0.0029	4	
			1000	1320	97,440	16	20,541	54.1972	64	0.0001	0.5018	0.0004	1	

Table 6

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3815 Broadway
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WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL			
				minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min	lbs/day	
B-8, SOMA-2, 4			1100	0	97,440									
			1100	60	97,500	17	1,042	2.7491	258	0.0003	0.1022	0.0017	2	
			1200	60	97,560	21	1,233	3.2528	524	0.0005	0.2452	0.0041	6	
			3/18/2009	1000	1320	98,880								
SOMA-4		3/19/2009	1000	1440	100,320	27	38,521	101.6391	1,156	0.0012	16.9165	0.0117	17	
				0	100,320									
			1100	60	100,380	17	1,036	2.7337	825	0.0008	0.3249	0.0054	8	
			1200	60	100,440	17	1,036	2.7337	890	0.0009	0.3502	0.0058	8	
			3/20/2009	700	1140	101,580	17	19,909	52.5309	870	0.0009	6.5807	0.0058	8
				0	101,580									
		pause c/o		930	0	101,580								
		restart		1030	60	101,640	17	1,046	2.7595	2,442	0.0024	0.9703	0.0162	23
				1130	60	101,700	17	1,046	2.7595	1,465	0.0015	0.5822	0.0097	14
			3/23/2009	1000	4230	105,930	17	73,874	194.9171	818	0.0008	22.9603	0.0054	8
				1100	60	105,990	25	1,482	3.9100	941	0.0009	0.5301	0.0088	13
				1200	60	106,050	25	1,482	3.9100	872	0.0009	0.4907	0.0082	12
			3/24/2009	1000	1320	107,370	27	35,640	94.0369	1,376	0.0014	18.6294	0.0141	20
				1100	60	107,430	27	1,620	4.2744	1,282	0.0013	0.7891	0.0132	19
				1200	60	107,490	27	1,620	4.2744	1,100	0.0011	0.6773	0.0113	16
			3/25/2009		1440	108,930								
SOMA-4		3/26/2009	1130	1410	110,340	27	37,860	99.8951	1,058	0.0011	15.2212	0.0108	16	
			1230	60	110,400	27	1,611	4.2509	973	0.0010	0.5958	0.0099	14	
			3/27/2009	1100	1350	111,750	29	39,007	102.9214	1,377	0.0014	20.4112	0.0151	22
				1200	60	111,810	17	1,038	2.7388	948	0.0009	0.3740	0.0062	9
			3/30/2009		0	111,810								
			3/31/2009	1130	5730	117,540	17	97,410	257.0185	1,067	0.0011	39.4878	0.0069	10
				1230	60	117,600	17	1,020	2.6913	1,044	0.0010	0.4047	0.0071	10
				1330	60	117,660	17	1,020	2.6913	921	0.0009	0.3568	0.0059	9
			4/1/2009	1100	1290	118,950	17	21,930	57.8628	1,013	0.0010	8.4369	0.0065	9
				1200	60	119,010	17	1,020	2.6913	1,006	0.0010	0.3899	0.0065	9
				1300	60	119,070	17	1,020	2.6913	836	0.0008	0.3241	0.0054	8
			4/3/2009	730	2550	121,620	16	39,681	104.6992	733	0.0007	11.0446	0.0043	6
B-8, SOMA-2, 4				0	121,620									
			930	0	121,620									
			1030	60	121,680	16	935	2.4682	1,380	0.0014	0.4905	0.0082	12	
			1130	60	121,740	23	1,398	3.6883	1,214	0.0012	0.6446	0.0107	15	
			1230	60	121,800	23	1,398	3.6883	1,187	0.0012	0.6304	0.0105	15	
			4/6/2009	1300	4290	126,090	28	119,004	313.9947	1,137	0.0011	51.4139	0.0120	17
SOMA-2			1400	60	126,150	30	1,785	4.7086	1,014	0.0010	0.6873	0.0115	16	
			4/7/2009	1300	1380	127,530	29	39,653	104.6246	1,051	0.0011	15.8290	0.0115	17
				1400	60	127,590	29	1,724	4.5489	1,031	0.0010	0.6753	0.0113	16
			4/8/2009	1030	1230	128,820	29	35,808	94.4806	1,075	0.0011	14.6288	0.0119	17
				1130	60	128,880	16	935	2.4682	1,253	0.0013	0.4455	0.0074	11
			4/9/2009	1230	1380	130,260	16	21,556	56.8766	1,384	0.0014	11.3330	0.0082	12
				1330	60	130,320	16	936	2.4705	1,367	0.0014	0.4864	0.0081	12
			4/10/2009	1030	1260	131,580	16	19,607	51.7337	1,412	0.0014	10.5193	0.0083	12
				1130	60	131,640	16	935	2.4658	1,360	0.0014	0.4830	0.0081	12
			4/13/2009	1000	1350	132,990	16	21,047	55.5343	1,323	0.0013	10.5773	0.0078	11
				1100	60	133,050	16	934	2.4635	1,438	0.0014	0.5102	0.0085	12
				1200	60	133,110	16	934	2.4635	1,481	0.0015	0.5255	0.0088	13
			4/14/2009	1030	1350	134,460	17	22,950	60.5541	1,319	0.0013	11.4980	0.0085	12
				1130	60	134,520	17	1,042	2.7491	1,628	0.0016	0.6444	0.0107	15
		4/15/2009	1000	1350	135,870	17	23,487	61.9715	1,579	0.0016	14.0915	0.0104	15	
			1100	60	135,930	17	1,044	2.7543	1,628	0.0016	0.6457	0.0108	15	
		4/16/2009	700	1200	137,130	17	20,957	55.2956	1,628	0.0016	12.9623	0.0108	16	
	pause c/o			0	137,130									

Table 6

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WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL				
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min	lbs/day
B-8, SOMA-2, 4	restart		900	0	137,130										
			1000	60	137,190	17	1,047	2.7621	1,972	0.0020	0.7842	0.0131	19		
		4/17/2009	1300	1620	138,810	17	28,265	74.5780	1,811	0.0018	19.4475	0.0120	17		
		4/20/2009	1700	4560	143,370	17	78,087	206.0354	1,628	0.0016	48.2985	0.0106	15		
		4/21/2009	1330	1230	144,600	17	21,044	55.5244	2,279	0.0023	18.2223	0.0148	21		
			1430	60	144,660	17	1,027	2.7085	2,279	0.0023	0.8889	0.0148	21		
		4/22/2009	1300	1350	146,010	17	23,225	61.2791	1,172	0.0012	10.3428	0.0077	11		
			1400	60	146,070	17	1,032	2.7235	1,185	0.0012	0.4648	0.0077	11		
		4/23/2009	1300	1380	147,450	17	24,055	63.4690	1,501	0.0015	13.7178	0.0099	14		
			1400	60	147,510	17	1,047	2.7621	1,483	0.0015	0.5899	0.0098	14		
		4/24/2009	1300	1380	148,890	18	24,240	63.9572	2,442	0.0024	22.4891	0.0163	23		
			1400	60	148,950	18	1,054	2.7807	2,442	0.0024	0.9778	0.0163	23		
		4/27/2009	1230	4230	153,180	17	73,874	194.9171	1,455	0.0015	40.8260	0.0097	14		
			1330	60	153,240	17	1,048	2.7648	1,411	0.0014	0.5619	0.0094	13		
		4/28/2009	1400	1410	154,650	17	24,625	64.9724	1,428	0.0014	13.3574	0.0095	14		
		4/29/2009	1230	1350	156,000	17	23,487	61.9715	1,245	0.0012	11.1134	0.0082	12		
		4/30/2009	1330	1500	157,500	17	26,048	68.7272	1,302	0.0013	12.8887	0.0086	12		
			1430	60	157,560	17	1,042	2.7491	1,628	0.0016	0.6444	0.0107	15		
		5/1/2009	730	1020	158,580	17	17,813	47.0013	1,384	0.0014	9.3653	0.0092	13		
			pause c/o		0	0	158,580								
			restart		1000	0	158,580								
					1300	180	158,760	17	3,132	8.2629	1,221	0.0012	1.4527	0.0081	12
				5/4/2009	1000	4170	162,930	17	72,412	191.0616	1,461	0.0015	40.1976	0.0096	14
			pause drilling		0	0	162,930								
			restart		1300	0	162,930								
					1400	60	162,990	29	1,739	4.5871	1,047	0.0010	0.6919	0.0115	17
				5/7/2009	1200	1320	164,310	29	38,212	100.8225	997	0.0010	14.4762	0.0110	16
					1300	60	164,370	29	1,737	4.5828	1,039	0.0010	0.6854	0.0114	16
			pause		0	0	164,370								
			restart		700	0	164,370								
					1000	0	164,370								
				5/11/2009	1100	60	164,430	25	1,473	3.8878	1,351	0.0014	0.7564	0.0126	18
					1700	4680	169,110	25	114,931	303.2482	1,376	0.0014	60.0685	0.0128	18
					1800	60	169,170	25	1,472	3.8841	1,575	0.0016	0.8809	0.0147	21
				5/12/2009	1430	1230	170,400	22	26,916	71.0182	1,409	0.0014	14.4055	0.0117	17
					1530	60	170,460	22	1,313	3.4643	1,454	0.0015	0.7252	0.0121	17
				5/13/2009	1430	1380	171,840	22	30,198	79.6790	1,573	0.0016	18.0506	0.0131	19
				5/14/2009	1230	1320	173,160	26	33,935	89.5375	1,433	0.0014	18.4705	0.0140	20
					1330	60	173,220	23	1,395	3.6813	1,141	0.0011	0.6050	0.0101	15
				5/15/2009	1300	1410	174,630	23	32,788	86.5117	1,140	0.0011	14.1960	0.0101	14
				5/18/2009	830	4050	178,680	23	94,894	250.3807	1,156	0.0012	41.6727	0.0103	15
			pause		0	0	178,680								
	restart c/o		5/21/2009	1500	0	178,680									
			1600	60	178,740	17	1,020	2.6913	1,140	0.0011	0.4416	0.0074	11		
		5/22/2009	1500	1380	180,120	22	30,086	79.3822	870	0.0009	9.9501	0.0072	10		
		5/26/2009	1200	5580	185,700	22	121,652	320.9803	895	0.0009	41.3841	0.0074	11		
		5/27/2009	1200	1440	187,140	22	31,394	82.8336	895	0.0009	10.6798	0.0074	11		
		5/28/2009	1200	1440	188,580	22	31,394	82.8336	895	0.0009	10.6798	0.0074	11		
		5/29/2009	1200	1440	190,020	23	33,360	88.0221	1,026	0.0010	12.9994	0.0090	13		
		6/1/2009	1430	4170	194,190	23	97,151	256.3360	747	0.0007	27.5813	0.0066	10		
			0	0	194,190										
			1530	60	194,250	11	659	1.7387	134	0.0001	0.0336	0.0006	1		
		6/2/2009	1130	1200	195,450	19	22,870	60.3435	768	0.0008	6.6767	0.0056	8		
			1230	60	195,510	19	1,141	3.0115	847	0.0008	0.3671	0.0061	9		
		6/3/2009	1130	1380	196,890	25	33,890	89.4193	499	0.0005	6.4268	0.0047	7		
			1430	60	196,950	23	1,390	3.6676	435	0.0004	0.2296	0.0038	6		

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WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL			
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min
MPE-3,5	pause c/o restart	6/4/2009	730	1140	198,090	23	26,711	70.4775	407	0.0004	4.1303	0.0036	5	
			1100	0	198,090									
			1300	120	198,210	30	3,637	9.5958	2,442	0.0024	3.3742	0.0281	40	
MPE-2 MPE-2,3		6/5/2009	1200	1380	199,590	32	44,187	116.5885	427	0.0004	7.1606	0.0052	7	
			1400	0	199,590									
MPE-2		6/8/2009	1400	120	199,710	21	2,466	6.5055	596	0.0006	0.5582	0.0047	7	
			1500	0	199,710									
			1400	60	199,770	30	1,805	4.7616	650	0.0006	0.4454	0.0074	11	
MPE-2		6/9/2009	1400	4260	204,030	35	147,950	390.3705	562	0.0006	31.5710	0.0074	11	
			1400	1440	205,470	35	50,011	131.9562	499	0.0005	9.4810	0.0066	9	
SOMA-2		6/10/2009	1500	0	205,470									
			1200	1500	206,970	25	36,837	97.1949	589	0.0006	8.2479	0.0055	8	
B-10		6/11/2009	1200	1260	208,230	26	32,453	85.6287	578	0.0006	7.1259	0.0057	8	
			1300	0	208,230									
MPE-1		6/12/2009	1300	60	208,290	11	659	1.7387	622	0.0006	0.1557	0.0026	4	
			1400	0	208,290									
MPE-2		6/12/2009	1500	60	208,350	16	932	2.4589	1,093	0.0011	0.3872	0.0065	9	
			1500	0	208,350									
MPE-2,5	pause c/o restart	6/12/2009	1500	60	208,410	17	1,042	2.7491	1,302	0.0013	0.5155	0.0086	12	
			1000	1140	208,410									
LFR-2		6/15/2009	1000	1140	209,550	17	19,796	52.2327	1,221	0.0012	9.1832	0.0081	12	
			1200	0	209,550									
			700	4020	213,570	30	120,910	319.0245	488	0.0005	22.4356	0.0056	8	
			700	1440	215,010	30	43,311	114.2774	409	0.0004	6.7267	0.0047	7	
			1100	1200	216,210	30	36,093	95.2312	379	0.0004	5.2015	0.0043	6	
			1200	1380	217,590	30	41,507	109.5159	562	0.0006	8.8596	0.0064	9	
			900	1260	218,850	33	41,514	109.5366	700	0.0007	11.0413	0.0088	13	
MPE-5		6/22/2009	1030	90	218,940	33	2,965	7.8240	700	0.0007	0.7881	0.0088	13	
			1130	0	218,940									
			1230	60	219,000	17	1,038	2.7388	506	0.0005	0.1997	0.0033	5	
			1330	60	219,060	17	1,038	2.7388	604	0.0006	0.2382	0.0040	6	
			1330	60	219,120	17	1,036	2.7337	608	0.0006	0.2392	0.0040	6	
MPE-2	pause c/o restart	6/23/2009	1100	4170	223,290	29	121,169	319.7072	354	0.0004	16.3006	0.0039	6	
			1030	0	223,290									
B-10R		6/24/2009	1030	1410	224,700	21	28,971	76.4400	425	0.0004	4.6733	0.0033	5	
			1300	0	224,700									
B-10R		6/24/2009	1400	60	224,700	28	1,677	4.4244	521	0.0005	0.3319	0.0055	8	
			1230	60	224,760	30	1,798	4.7437	469	0.0005	0.3203	0.0053	8	
B-10R,MPE-1		6/25/2009	1330	0	224,820									
			1330	60	224,880	17	1,038	2.7388	882	0.0009	0.3480	0.0058	8	
			1430	60	224,940	17	1,038	2.7388	903	0.0009	0.3559	0.0059	9	
			930	1140	226,080	22	25,135	66.3204	1,205	0.0012	11.5046	0.0101	15	
B-10R		6/26/2009	1030	0	226,080									
			1030	60	226,140	30	1,805	4.7616	2,442	0.0024	1.6743	0.0279	40	
B-10R,MPE-1		6/26/2009	1130	60	226,200	30	1,805	4.7616	780	0.0008	0.5347	0.0089	13	
			1300	0	226,200									
B-10R,MPE-1		6/26/2009	1300	90	226,290	24	2,202	5.8098	716	0.0007	0.5992	0.0067	10	
			1430	0	226,290									
			1430	90	226,380	28	2,501	6.5995	904	0.0009	0.8594	0.0095	14	
			1430	1380	227,760	30	41,159	108.5977	1,660	0.0017	25.9665	0.0188	27	
			1430	60	227,820	30	1,798	4.7437	1,599	0.0016	1.0920	0.0182	26	
			1430	1440	229,260	32	45,679	120.5259	570	0.0006	9.8887	0.0069	10	
			1430	1440	230,700	33	47,004	124.0201	895	0.0009	15.9899	0.0111	16	
1500	1470	232,170	34	50,578	133.4522	1,045	0.0010	20.0810	0.0137	20				

Table 6

**Dec 2008 - 2009 MPE Pilot Test
Extraction Data and VOC Mass Removal Rate**

3815 Broadway
Oakland, California

WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL			
						minutes	minutes	SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min
MPE-1	pause c/o restart	7/2/2009	930	1110	233,280	34	37,504	98.9542	977	0.0010	13.9180	0.0125	18	
			1500	0	233,280									
			0	0	233,280									
	7/3/2009	1200	1260	234,540	30	37,826	99.8046	1,058	0.0011	15.2074	0.0121	17		
		1300	30	234,570	25	735	1.9402	899	0.0009	0.2511	0.0084	12		
	7/6/2009	1030	4170	238,740	25	102,600	270.7132	812	0.0008	31.6666	0.0076	11		
		1130	60	238,800	25	1,476	3.8952	945	0.0009	0.5300	0.0088	13		
	7/7/2009	1400	1710	240,510	26	44,044	116.2103	697	0.0007	11.6650	0.0068	10		
		7/8/2009	1030	1230	241,740	26	31,711	83.6689	645	0.0006	7.7670	0.0063	9	
	1130		60	241,800	26	1,542	4.0699	651	0.0007	0.3818	0.0064	9		
B-10R,MPE-1	7/9/2009	1700	1800	243,600	21	36,914	97.3993	583	0.0006	8.1831	0.0045	7		
		7/10/2009	1530	1350	244,950	25	33,091	87.3109	580	0.0006	7.2925	0.0054	8	
	7/13/2009	1030	4020	248,970	26	103,541	273.1963	650	0.0006	25.5657	0.0064	9		
		0	0	248,970										
	1130	60	249,030	32	1,914	5.0500	1,032	0.0010	0.7508	0.0125	18			
	7/14/2009	1530	1680	250,710	32	53,293	140.6135	997	0.0010	20.1796	0.0120	17		
		1630	60	250,770	32	1,903	5.0219	975	0.0010	0.7052	0.0118	17		
	7/15/2009	1330	1260	252,030	33	41,128	108.5176	863	0.0009	13.4824	0.0107	15		
	7/16/2009	930	1200	253,230	37	44,525	117.4802	855	0.0009	14.4583	0.0120	17		
		0	0	253,230										
B-10R,MPE-1,SOMA-2	restart	7/17/2009	1200	0	253,230									
			1300	60	253,290	32	1,932	5.0980	947	0.0009	0.6949	0.0116	17	
SOMA-2,MPE-1	7/20/2009	1330	1470	254,760	35	50,767	133.9492	918	0.0009	17.7097	0.0120	17		
		0	0	254,760										
SOMA-2	7/21/2009	1530	4200	258,960	34	140,981	371.9821	1,112	0.0011	59.5573	0.0142	20		
		930	1080	260,040	34	36,628	96.6438	1,094	0.0011	15.2242	0.0141	20		
MPE-1	7/22/2009	1000	30	260,070	23	699	1.8441	1,547	0.0015	0.4107	0.0137	20		
		0	0	260,070										
B-10R	7/22/2009	1030	30	260,100	31	934	2.4635	1,612	0.0016	0.5717	0.0191	27		
		0	0	260,100										
B-10R,MPE-2	7/22/2009	1130	60	260,160	25	1,476	3.8952	2,027	0.0020	1.1368	0.0189	27		
		0	0	260,160										
SOMA-4,MPE-1	7/23/2009	930	1320	261,480	34	44,768	118.1202	1,026	0.0010	17.4444	0.0132	19		
		1030	60	261,540	36	2,190	5.7774	1,130	0.0011	0.9405	0.0157	23		
		1100	30	261,570	36	1,095	2.8887	1,100	0.0011	0.4575	0.0152	22		
		0	0	261,570										
		1200	60	261,630	31	1,864	4.9177	1,387	0.0014	0.9823	0.0164	24		
7/24/2009	1130	1410	263,040	32	45,233	119.3485	1,222	0.0012	20.9943	0.0149	21			
	1530	1680	264,720	32	53,742	141.8002	1,031	0.0010	21.0513	0.0125	18			
MPE-1	7/27/2009	1230	4140	268,860	33	136,404	359.9059	843	0.0008	43.6861	0.0106	15		
		7/28/2009	1330	1500	270,360	35	52,500	138.5224	1,846	0.0018	36.8170	0.0245	35	
		0	0	270,360										
B-10R,MPE-2	7/29/2009	1430	60	270,420	17	1,020	2.6913	757	0.0008	0.2934	0.0049	7		
		1400	1410	271,830	17	23,970	63.2454	462	0.0005	4.2106	0.0030	4		
		1500	60	271,890	17	1,020	2.6913	480	0.0005	0.1862	0.0031	4		
		1000	1140	273,030	17	19,380	51.1346	546	0.0005	4.0168	0.0035	5		
		1030	0	273,030										
B-10R	7/31/2009	1130	0	273,030										
		1230	60	273,090	30	1,800	4.7493	1,302	0.0013	0.8907	0.0148	21		
		1300	1470	274,560	33	48,510	127.9947	2,442	0.0024	45.0065	0.0306	44		
		0	0	274,560										
1330	30	274,590	22	660	1.7414	863	0.0009	0.2164	0.0072	10				

Table 6

**Dec 2008 - 2009 MPE Pilot Test
Extraction Data and VOC Mass Removal Rate**

3815 Broadway
Oakland, California

WELL	COMMENT	DATE	CLOCK TIME	INCREMENTAL TIME	ELAPSED TIME	Q			PID		MASS REMOVAL		
						SCFM	ft ³ of extracted air	Moles of extracted air	ppmv as TPHss	mole %	lb VOC mass removal as TPHss	lbs/min	lbs/day
				minutes	minutes								
	TOTAL MEDIAN				274,590	25	6,820,333	17996	855	0.0009	2330.74	0.0085	12.22

Notes

Q volumetric flow rate
 SCFM standard cubic feet per minute
 ft³ cubic feet per minute
 VOC volatile organic compounds
 PID photo-ionization detector
 ppmv parts per million vapor

DERIVATION OF MASS REMOVAL RATE

ppmv as TPHss/1,000,000 = mole %
 ft³ of extracted air/(379 ft³ air/lb-mole air) = moles of extracted air
 (moles of extracted air)(mole %)(144 lb/lb-mole TPHss) = lbs of VOC removed as TPHss
 (lbs of VOC mass removed as TPHss)(elapsed time) = lbs/min of VOC removed as TPHss
 (lbs/min of VOC removed as TPHss)(60 min/1 hour)(24 hours/1 day) = lbs/day of VOC removed as TPHss

Table 7

**MPE Pilot Test
Vapor-Phase Mass Removal**

Extraction Well	Vapor Sample ID	Collection Date/Time	USEPA TO-15				Q (CFM)	Mass Removal Rate (lbs/day) (TPHss / PCE / cis 1,2-DCE)	Total Test time (minutes / days)	Total Mass Removed (lbs) (as TPH-ss / PCE / cis 1,2-DCE)
			TPH-ss (ug/m ³)	Benzene (ug/m ³)	PCE (ug/m ³)	cis 1,2-DCE (ug/m ³)				
B-10/SOMA-2/4	Effluent	1/07/09 @ 0700	nd	nd	nd	nd	25*	9.36* / 0.22* / 0.08*	274,560 / 190.7	1,784* / 42* / 15*
B-10/SOMA-2/4	Midpoint	1/07/09 @ 0710	18,000	nd	nd	1,400				
B-10/SOMA-2/4	Influent	1/07/09 @ 0720	3,800,000	nd	nd	7,500				
REMOVAL EFFICIENCIES			99.5263%	na	na	99.8680%				
SOMA-2	Effluent	3/10/09 @ 1445	1800	nd	nd	nd				
SOMA-2	Influent	3/10/09 @ 1450	3,800,000	nd	55,000	18,000				
REMOVAL EFFICIENCIES			99.9526%	na	99.9938%	99.9890%				
SOMA-2/4/B-8	Effluent	5/4/09 @ 1000	nd	nd	nd	nd				
SOMA-2/4/B-8	Influent	5/4/09 @ 1015	5,100,000	nd	37000	nd				
REMOVAL EFFICIENCIES			99.9931%	na	99.9908%	na				
MPE-1/B-10/SOMA-2	Effluent	6/11/09 @ 1530	nd	nd	nd	nd				
SOMA-2	Influent	6/11/09 @ 1300	3,800,000	nd	nd	71,000				
B-10R	Influent	6/11/09 @ 1400	5,000,000	nd	220,000	32,000				
MPE-1	Influent	6/11/09 @ 1500	6,500,000	nd	150,000	41,000				
REMOVAL EFFICIENCIES			99.9965%	na	99.9982%	99.9959%				
SOMA-2	Influent	7/21/09 @ 1000	4,200,000	nd	nd	nd				
MPE-1	Influent	7/21/09 @ 1030	3,700,000	nd	nd	nd				
B-10R	Influent	7/21/09 @ 1130	3,500,000	nd	28,000	nd				

Notes

CFM cubic feet per minute
 lbs/day pounds per day
 ug/m³ micrograms per cubic meter
 TPH-ss Total petroleum hydrocarbons as stoddard solvent
 PCE Tetrachloroethene
 TCE Trichloroethene
 cis 1,2-DCE 1,2-dichloroethene
 nd not detected at or above detection limit
 * average value

DERIVATION OF MASS REMOVAL RATE

$$\begin{aligned}
 &(\text{ug/m}^3) [(1\text{mg}/1000\text{ug}) (1\text{m}^3/1000 \text{L})] = \text{mg/L} \\
 &(\text{mg/L}) (28.32 \text{ L}/1 \text{ ft}^3) ([Q] \text{ ft}^3/\text{min}) = \text{mg/min} \\
 &(\text{mg/min})(1\text{g}/1000\text{mg})(1\text{kg}/1000\text{g})(60\text{min}/1\text{hr})(24\text{hr}/1\text{day}) = \text{kg/day} \\
 &(\text{kg/day})(2.2\text{lbs}/1\text{kg}) = \text{lbs/day}
 \end{aligned}$$

DERIVATION OF TOTAL MASS REMOVED

$$\begin{aligned}
 &\text{Total time of test} = \text{days (Table 8)} \\
 &(\text{mass removal rate } [\text{lbs/day}])(\text{total time of test } [\text{days}]) = \text{Total Removed (lbs)}
 \end{aligned}$$

DERIVATION OF REMOVAL EFFICIENCIES

Influent sample concentration : STACK sample concentration

Table 8

**Dissolved-Phase Hydrocarbon Concentrations
MPE Pilot Test Area**

3815 Broadway
Oakland, California

Monitoring Well	Date	TPH-g (µg/L)	TPH-ss (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2- DCE (µg/L)
SOMA-4	8/5/2008	2,600,000	1,800,000	20	52	20	87	50	20	20.0	3,500	31
	2/10/2009	65,000	44,000	5	160	5	29	18	5	5	830	5
(SB-12)	5/5/2009	1,300,000	1,000,000	25	25	25	50	90	25	25	25	25
SOMA-2	8/5/2008	620,000	430,000	130	130.0	130	130	130	370	550	13,000	130
	7/21/2008	5,700	3,800	16	120.0	14	94	6.3	620	870	15,000	160
	2/10/2009	1,300,000	860,000	50	50	50	50	50	170	390.0	5,900	50
B-10	8/5/2008	210,000	140,000	130	130.0	130	130.0	130	10,000	4,200	15,000	130.0
	7/21/2008	1,200,000	760,000	83	83	83	83	83	1,100	970	17,000	96.0
	2/10/2009	2,300	1,500	20	20	20	20	20	1,200	1,200	2,900	20
(SB-10)	5/5/2009	4,100	3,500	17	17	17	34	94	8,300	480	270	17
B-10R	7/2/2009	9,300	6,700	6.3	6.3	6.3	12.6	220	840	99	220	6.3
B-8	8/5/2008	58,000	41,000	0.9	0.7	1	0.6	1	1	0.5	64	0.5
(SB-7)	5/6/2009	670	570	1	1	1	4	1	5	2	77	10
(SB-8)	5/6/2009	210	180	1	1	1	1	1	94	25	82	1
MPE-1	7/2/2009	3,300	2,400	3.6	3.6	1	7.2	520	35	19	83	3.6
Total Gallons Extracted Groundwater		94,425										
concentration (ug/l)*		58,000	41,000	17	25	17	34	50	170	99	830	20
Mass DPH Removed from Extracted Groundwater (lbs)		45.60	32.23	0.01	0.02	0.01	0.03	0.04	0.13	0.08	0.65	0.02

Notes:

DPH = dissolved phase hydrocarbons
 TPH-g = Total petroleum hydrocarbons as gasoline
 TPH-ss = Total petroleum hydrocarbons as stoddard solvent
 MtBE = methyl-tertiary-butyl ether
 PCE = Tetrachloroethene
 TCE = Trichloroethene
 Cis-1,2-DCE = Cis-1,2- dichloroethene

Trans-1,2-DCE = Trans-1,2- dichloroethene
 ug/l - Micrograms per liter
 < = below laboratory-reporting limit
 nd = not detected
 na = not analyzed
 * = median value

APPENDIX A

Site History and Background

Site History:

Geosolv, LLC (Geosolv) initiated the first soil and groundwater investigation in August 1997. Using the direct push method, Geosolv drilled 14 soil borings to the approximate depths of 10 to 24 feet bgs. Seven borings (B-2, B-3, B-7 through B-10 and B-13; Figure 2) were converted to temporary groundwater monitoring wells, where grab groundwater samples were collected. In September 1998, Geosolv conducted further soil and groundwater investigations by drilling 12 additional soil borings to approximate depths of 19 to 25 feet bgs. All 12 borings were converted to temporary groundwater sampling points, labeled E-15 through E-26. After collection of grab groundwater samples from temporary "E" sampling points, these borings were abandoned and grouted. Figure 2 shows soil boring locations.

In July 1999, an investigation of potential groundwater preferential flow paths was initiated by LFR. LFR drilled 10 soil borings (GW-1 through GW-8, GW-5A, and GW-6A) primarily along the 54-inch-diameter storm drain and sanitary sewer systems, to depths ranging from 8 to 20 feet bgs. During drilling, soil samples were collected from various depth intervals. In August 1999, LFR collected grab groundwater samples from seven of the nine "GW" wells. GW-1 to GW-6A are shown in Figure 2.

LFR conducted the first groundwater monitoring events in January, April, October, and November 2000, and installed four groundwater monitoring wells, LFR-1 through LFR-4, in July and August 2000 (Figure 2).

In January 2001, LFR conducted a second groundwater monitoring event that suggested occurrence of strong anaerobic biodegradation activities and dechlorination of tetrachloroethene (PCE) beneath the site. On April 26 to 27, 2001, SOMA began its initial groundwater monitoring events. Results of the Second Quarter 2001 monitoring event (Tables 3 and 4) indicated strong dechlorination of PCE occurring in the subsurface.

In SOMA's June 2001 workplan, a recommendation was made to replace the existing small-diameter monitoring wells; B-7 and B-10, with larger-diameter wells, to better evaluate bioattenuation parameters. On October 4, 11, and 12, 2001, SOMA installed monitoring wells SOMA-1 through SOMA-5 (Figure 2). During installation, boreholes were continuously logged and soil samples collected at 5-foot depth intervals to delineate vertical extent of soil and groundwater contamination.

Phase I of SOMA's workplan included installing additional groundwater monitoring wells, soil and groundwater sampling, hydraulic testing, and a sensitive receptor survey. Phase II of the workplan included defining site regulatory status by conducting groundwater flow, chemical fate and transport modeling, and a risk-based corrective action (RBCA). SOMA's "Report on

Conducting Additional Field Investigation to Evaluate the Site's Conceptual Model," dated January 3, 2002, describes results of investigations conducted in Phase I.

The modeling aspect of Phase II used results collected in Phase I and analytical data from quarterly monitoring events. The main objective of groundwater flow and chemical transport modeling was to predict groundwater chemical concentrations downgradient of the site, beneath the nearest residential neighboring property, in order to assess site regulatory status and restore groundwater quality conditions to acceptable levels specified by the RBCA.

Groundwater flow, chemical transport, and bioattenuation modeling for the site was conducted by SOMA in First Quarter 2003. Modeling results confirmed occurrence of biodegradation beneath the site and indicated that bioattenuation processes could remove PCE in the groundwater in approximately 7 to 10 years, trichloroethylene (TCE) in approximately 3 to 9 years, and cis-1,2-dichloroethene (cis-1,2-DCE) in approximately 4 to 13 years. SOMA's March 7, 2003 report entitled "Groundwater Flow, Chemical Transport and Bioattenuation Modeling" describes the study in detail.

Based on approval from ACEHS, groundwater monitoring events have been conducted semi-annually since First Quarter 2003.

Previous Activities:

In order to demonstrate the fate and transport of PCE and other volatile organic compounds (VOCs), SOMA conducted groundwater flow and chemical transport modeling and compared the results with that of routine groundwater monitoring data. The results of groundwater fate and transport modeling were used to conduct a human health risk assessment in order to evaluate the site cleanup levels. The analyses showed that conditions are conducive to biodegradation and that, in fact, biodegradation is occurring. In general, PCE trends appeared generally consistent with SOMA's model, indicating that passive remediation has been effective. However, one obstacle to closing the site was the presence of free product (FP). Alameda County environmental regulatory guidelines do not permit closure as long as FP is present. As a result, over the past several years SOMA has been removing FP from the site. As of March 2008, approximately 1,895 gallons had been removed. Levels of FP in the wells had been dropping consistently over the past several years and, as noted above, PCE trends were decreasing consistent with SOMA's model.

FP or sheen has been reported sporadically in monitoring wells at the site since 1997. Past attempts to delineate the extent and sources of FP have been problematic due to variability and complexity of the subsurface soil and water table characteristics, access limited by buildings, and presence of potential

preferential pathways for contaminant migration related to underground storm drain and sanitary sewer lines.

FP was located primarily near SOMA-4 and B-8 (Figure 2). As a result, SOMA instituted a FP removal program for those wells in 2002. As of March 2008, 1,895 gallons of FP and contaminated groundwater had been removed from SOMA-4 and B-8. As of summer 2007, FP levels had been reduced significantly and SOMA was optimistic that it would be in a position to request closure. However, during First Quarter 2008 groundwater monitoring, FP was unexpectedly observed for the first time in SOMA-2 and B-10, which are located approximately 40 feet east-southeast and northeast of SOMA-4 and B-8. Approximately 0.71 feet of FP was detected in SOMA-2 and 2.76 feet in B-10. During Second Semi-Annual 2008 groundwater monitoring, FP was observed in well B-10 at 0.17 feet and in wells SOMA-2 and SOMA-4 at 0.60 feet each.

Results from the First Semi-Annual 2008 sampling event showed significant increases in PCE levels in wells with newly discovered FP (B-10 and SOMA-2). SOMA believes that the presence of elevated levels of FP in these wells for the first time contributed to the presence of elevated levels of dissolved solvents at this location. The FP consisted primarily of TPH-ss, which has the potential to dissolve PCE and TCE. Thus, it is suspected that the FP in the area of SOMA-2 and B-10 caused dissolution and mobilization of residual levels of PCE in the subsurface.

Beginning September 2, 2008, SOMA conducted a 45-day Multi-Phase Extraction (MPE) pilot test at the site. The results of pilot test indicate that MPE technology is highly effective in removing free product, chemically impacted groundwater and soil vapor from the subsurface. The pilot tests were conducted using SOMA-4, SOMA-2, B-8 and B-10. Significantly, the pilot test showed that MPE can be effective in removing contamination from the smear zone, thereby eliminating the creation of free product.

APPENDIX B

Drilling and Obstruction Permits

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 04/22/2009 By jam esy

Permit Numbers: W 2009-0301 to W 2009-0305
Permits Valid from 05/04/2009 to 05/19/2009

Application Id: 1240353642248
Site Location: 3820 Manila Ave, Oakland, CA
Project Start Date: 05/04/2009

City of Project Site: Oakland
Completion Date: 05/19/2009

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

Applicant: SOMA Environmental - Erica Fisker
6620 Owens Dr. Ste. A, Pleasanton, CA 94588

Phone: 925-734-6400

Property Owner: Martha Sepper
31 Muth Dr., Orinda, CA 94567

Phone: 310-282-2000

Client: ** same as Property Owner **

Receipt Number: W R 2009-0147 Total Due: \$1610.00
Payer Name: SOMA Environmental Total Amount Paid: \$1610.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells

Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: \$1380.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well ID	Well Hole Diam .	Casing Diam .	Seal Depth	Max. Depth
W2009-0301	04/22/2009	08/02/2009	B-10	6.00 in.	2.00 in.	3.50 ft	20.00 ft
W2009-0302	04/22/2009	08/02/2009	B-8	6.00 in.	2.00 in.	3.50 ft	20.00 ft
W2009-0303	04/22/2009	08/02/2009	MPE-5	6.00 in.	2.00 in.	2.50 ft	20.00 ft
W2009-0304	04/22/2009	08/02/2009	SOMA-4	6.00 in.	2.00 in.	3.50 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
8. Minimum surface seal thickness is two inches of cement grout placed by tremie
9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Borehole(s) for Investigation-Geotechnical Study/CPT's - 16 Boreholes

Driller: Gregg Drilling - Lic #: 485165 - Method: other

Work Total: \$230.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0305	04/22/2009	08/02/2009	16	2.50 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground

Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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

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

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

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

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 05/19/2009 By jam esy

Permit Numbers: W 2009-0418
Permits Valid from 05/21/2009 to 05/22/2009

Application Id: 1242674548782
Site Location: 3820 Manila Avenue

City of Project Site: Oakland

Project Start Date: 05/21/2009

-Request work to begin Thursday May 21 and complete Friday May 22, 2009
Completion Date: 05/22/2009

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

Applicant: SOMA Environmental Engineering - Erica Fisker
6620 Owens Drive, Suite A, Pleasanton, CA 94588
Property Owner: Martha Depper
31 Muth Drive, Orinda, CA 94567
Client: ** same as Property Owner **

Phone: 925-734-6400 x106

Phone: 310-282-2000

	Total Due:	\$230.00
Receipt Number: W R 2009-0184	Total Amount Paid:	\$230.00
Payer Name: SOMA Environmental Engineering	Paid By: VISA	P A I D I N F U L L

Works Requesting Permits:

Remediation Well Construction-Extraction - 4 Wells

Driller: Gregg Drilling & Testing - Lic #: 465165 - Method: hstem

Work Total: \$230.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well ID	Well Hole Diam .	Casing Diam .	Seal Depth	Max. Depth
W2009-0418	05/19/2009	08/19/2009	MPE-1	6.00 in.	2.00 in.	2.50 ft	20.00 ft
W2009-0418	05/19/2009	08/19/2009	MPE-2	6.00 in.	2.00 in.	2.50 ft	20.00 ft
W2009-0418	05/19/2009	08/19/2009	MPE-3	6.00 in.	2.00 in.	2.50 ft	20.00 ft
W2009-0418	05/19/2009	08/19/2009	MPE-4	6.00 in.	2.00 in.	2.50 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).
 7. Minimum surface seal thickness is two inches of cement grout placed by tremie
 8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 9. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
-

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

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

Appl# OB090319

Job Site 3822 MANILA AV

Parcel# 012 -0982-016-00

parking for driller 50ft total no blocking sidewalk or
traffic lane

Permit Issued 05/04/09

3822 MANILA NO WEEKENDS

Nbr of days: 6

Linear feet: 50

Effective: 05/05/09

Expiration: 05/20/09

SHORT TERM NON-METERED

Applicant Phone# Lic# --License Classes--

Owner DEPPER ROBERT P TR

Contractor

Arch/Engr GREGG DRILLING & TESTING, INC. X

(925)313-5800 485165

Agent

Applic Addr 950 HOWE RD, MARTINEZ, CA., 94553

\$299.50 TOTAL FEES PAID AT FILING

\$.00 TOTAL FEES PAID AT ISSUANCE

\$66.00 Applic	\$195.00 Permit
\$.00 Process	\$24.80 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$13.70 Tech Enh

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

ADDRESS:

Applicant:

Cisco Fish

5/4/09

Issued by:

[Signature]

5/4/09

DIST:

CITY OF OAKLAND

PAID
5/4/09 *[Signature]*

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

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

Appl# OB090356 Job Site 3822 MANILA AV Parcel# 012 -0982-016-00

Parking for driller 50ft total; no blocking sidewalk or traffic lane Permit Issued 05/18/09

Nbr of days: 2
Effective: 05/21/09

Linear feet: 50
Expiration: 05/22/09

SHORT TERM NON-METERED

Applcmt Phone# Lic# --License Classes--

Owner DEPPER ROBERT P TR

Contractor

Arch/Engr

Agent SOMA ENVIRO/E FISHER

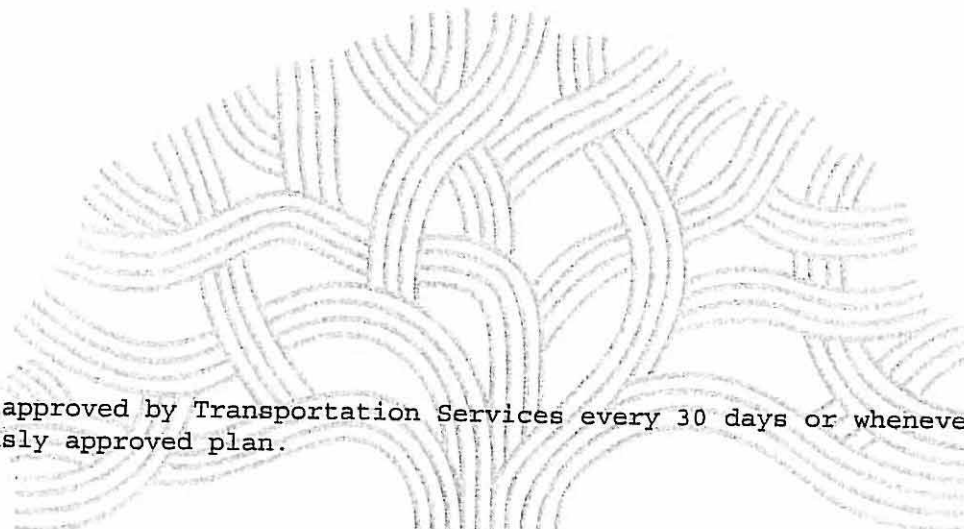
X (925) 734-6400

Applic Addr

\$150.33 TOTAL FEES PAID AT FILING
\$66.00 Applic \$65.00 Permit
\$.00 Process \$12.45 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$6.88 Tech Enh

\$.00 TOTAL FEES PAID AT ISSUANCE

JOB SITE



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

Applicant: Erica Fisker 5/18/09

Issued by: [Signature] [Signature]

CITY OF OAKLAND


PAID
5/18/09 [Signature]

DIST. ADDRESS

APPENDIX C

Boring Logs and Well Construction Diagrams

PROJECT: 2512 DATE DRILLED: May 4, 2009
 SITE LOCATION: 3820 Manila Ave., Oakland CASING ELEVATION: NA
 DRILLER: Gregg Drilling & Testing DEPTH TO GW: 17 Ft.
 DRILLING METHOD: Direct Push T.O.C. TO SCREEN: NA
 BORING DIAMETER: 3-inch SCREEN LENGTH: NA
 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.					
5.7	5		CL	SANDY LEAN CLAY: Brown, moist, stiff, fine- to coarse-grained sand, orange mottling. Becomes dark brown at 6 Ft. No Petroleum Hydrocarbon (PHC) odor		X			
8.1			SC	CLAYEY SAND: Brown, moist, medium stiff, orange mottling, fine- to coarse grained sand, no PHC odor		X			
	10			becomes gray-green with very slight PHC odor at 11 Ft.		X			
359			SC	As Above: Brown Becomes gray-green at 13 feet with PHC odor		X			
	15			Gravel up to 1 inch at 16 Ft.		X			
212.3			SC	As Above: with some gravel, very moist to wet at 17 Ft.		X			
	20					X			
37.4									
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: NA - Collected Open Hole

DRILLING METHOD: Direct Push


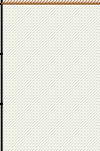

T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
373.2	5		CL	SANDY LEAN CLAY: Dark brown, stiff, moist, fine- to medium-grained sand No Petroleum Hydrocarbon (PHC) odor					
425.2	10		SC	CLAYEY SAND: Brown, moist, medium stiff, fine- to coarse-grained sand, no PHC odor Becomes green w/ PHC odor at 13 Ft.			X		
736.2	15		SM	SILTY SAND: Light brown, stiff, moist, no PHC odor					
323.2	20								
150.6	25								

COMMENTS: TD @ 20 Ft., Groundwater collected after leaving borehole open overnight

PROJECT: 2512

DATE DRILLED: May 6, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 9 Ft.

DRILLING METHOD: Direct Push


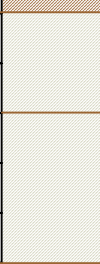



T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
94	5		CL	SANDY LEAN CLAY: Brown, very moist, soft, some orange mottline, fine- to medium-grained sand. No Petroleum Hydrocarbon (PHC) odor					
74.7	10		SC	CLAYEY SAND: Dark greenish-gray, wet, strong PHC odor, fine- to medium-grained sand			▽		
2104			SC	As Above: very moist to wet Gravel up to 0.5 inch at 13 Ft.		X			
1494	15		SC	As Above: w/ gravel, wet		X			
	15		CL	SILTY CLAY: Light brown, stiff, moist, PHC odor to 16.5 Ft.					
1521			CL	As Above: no PHC odor		X			
	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: NA - Collected Openhole

DRILLING METHOD: Direct Push





T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
359.1	5		CL	SANDY LEAN CLAY: Brown, stiff, moist, fine- to medium-grained sand, No Petroleum Hydrocarbon (PHC) odor					
349.4	10		SC	CLAYEY SAND: brown, moist, soft, no PHC odor, fine- to medium-grained sand. At 12 Ft. turns greenish-brown, strong PHC odor		X			
1138 103.6	15		CL	SILTY CLAY: Light brown, very stiff, moist, very slight PHC odor					
646.2	20		CL	As Above: no PHC odor					
167.3	25								

COMMENTS: TD @ 20 Ft., Groundwater collected after leaving borehole open overnight

PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 11

DRILLING METHOD: Direct Push

T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
143.8	5		SC	CLAYEY SAND w/Gravel: Brown, medium stiff, moist, fine- to coarse sand, gravel up to 0.5 inch, no Petroleum Hydrocarbon (PHC) odor					
			CL	SANDY LEAN CLAY: Greenish-brown, stiff, moist, fine- to medium-grained sand, PHC odor	X				
747.9	10		SC	CLAYEY SAND: Greenish-brown, moist, stiff, PHC odor becomes green at 10.5 Ft., very strong PHC odor, some gravel					
1016			SC	CLAYEY SAND: Greenish-brown, moist, strong PHC odor, very moist to wet from 11 to 14 Ft. Fine- to coarse-grained sand.	X		▽		
201.3	15		CL	SILTY CLAY: Light brown, very stiff, moist, no PHC odor	X				
149.5	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 12

DRILLING METHOD: Direct Push

T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
369.1	5		SC	CLAYEY SAND w/Gravel: Orange-brown, stiff, moist, fine- to coarse sand, fine gravel, no Petroleum Hydrocarbon (PHC) odor					
372.9			CL	SANDY LEAN CLAY: Brown, moist, soft, slight PHC odor, fine- to medium-grained sand			X		
1651	10			As Above: turns green with strong PHC odor at 10 Ft.					
1179			SC	CLAYEY SAND: Brownish-green, moist, stiff, PHC odor, fine- to coarse-grained sand, gravel at 10.5 Ft. Becomes very moist to wet at 12 Ft.			X		
628.2	15		CL	SILTY CLAY: Light brown, very stiff, moist, no PHC odor			X		
221.8	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 4, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 12

DRILLING METHOD: Direct Push




T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
	5		CL	SANDY LEAN CLAY: Brown, moist, soft, fine- to coarse-grained sand, orange mottling, no Petroleum Hydrocarbon (PHC) odor		X			
			SC	CLAYEY SAND w/Gravel: Orange-brown, stiff, moist, gravel up to 0.5 inch, fine- to coarse-grained sand, no PHC odor		X			
			SC	CLAYEY SAND: Greenish-brown, stiff, moist, PHC odor, fine- to medium-grained sand		X			
	10					X			
			SP	POORLY GRADED SAND w/GRAVEL: Greenish-gray, very moist to wet, stiff, gravel up to 1-inch		X			
	15		CL	SILTY CLAY: Light brown, stiff, moist, some orange mottling, very slight PHC odor		X			
			CL	SANDY LEAN CLAY: Light brown, very stiff, moist, some orange mottling, no PHC odor, fine- to medium-grained sand		X			
	20								
	25								

COMMENTS: TD @ 20 Ft., PID not functioning

PROJECT: 2512

DATE DRILLED: May 4, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 13.5

DRILLING METHOD: Direct Push

T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
	5		SC	CLAYEY SAND: Orange-brown, moist, stiff, fine- to coarse-grained sand, no Petroleum Hydrocarbon (PHC) odor		X			
	10		SC	CLAYEY SAND: Greenish-brown, stiff, moist, PHC odor, fine- to coarse-grained sand. Gravel starts at 9.5 Ft.		X			
			SC	As Above: no gravel, no PHC odor		X			
	15		SW	WELL GRADED SAND w/Gravel: Greenish-gray, wet, PHC odor, fine- to medium-grained sand, soft		X	▽		
	20		CL	SILTY CLAY: Light brown, stiff, moist, no PHC odor					
	25								

COMMENTS: TD @ 20 Ft., PID not functioning

PROJECT: 2512 DATE DRILLED: May 4, 2009
 SITE LOCATION: 3820 Manila Ave., Oakland CASING ELEVATION: NA
 DRILLER: Gregg Drilling & Testing DEPTH TO GW: 10.5 Ft.
 DRILLING METHOD: Direct Push T.O.C. TO SCREEN: NA
 BORING DIAMETER: 3-inch SCREEN LENGTH: NA
 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
				Hand Auger to 5 Ft.				
8.6	5		SC	CLAYEY SAND: Orange-brown, moist, medium stiff, fine- to medium-grained sand, no Petroleum Hydrocarbon (PHC) odor Becomes greenish-brown at 7 Ft, slight PHC odor	X			
170.4			SC	CLAYEY SAND: Greenish-brown, stiff, moist, slight PHC odor, fine- to coarse-grained sand.	X			
201.7	10			Becomes gray-green, very moist to wet with gravel at 10.5 Ft.	X	▽		
214.3			SP	POORLY GRADED SAND w/Gravel: Gray-green, saturated, fine- to coarse-grained sand, gravel up to 1-inch, PHC odor	X			
6.5	15		CL	SANDY LEAN CLAY: Light brown, very stiff, moist, slight PHC odor, fine-grained sand				
			CL	SILTY CLAY: Light brown, stiff, moist, no PHC odor				
8.7	20							
	25							

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 12.5 Ft.

DRILLING METHOD: Direct Push


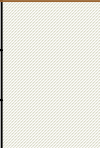

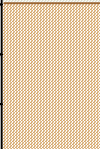

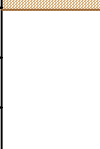
T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED	CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger to 5 Ft.					
875.4	5		CL	SANDY LEAN CLAY w/Gravel: Brown, moist, stiff, green mottling, fine- to coarse-grained sand, Petroleum Hydrocarbon (PHC) odor	X				
251.7			SC	CLAYEY SAND: Greenish-brown, stiff, moist, strong PHC odor, fine- to coarse-grained sand.	X				
700.1	10		SC	As Above: very moist to wet at 12.5 Ft.	X				
2706			CL	SILTY CLAY: Light brown, stiff, moist, very slight PHC odor	X		▽		
578.2	15			As Above: no PHC odor					
219.3	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 8 Ft.

DRILLING METHOD: Direct Push




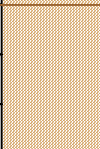
T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
	5		CL	SANDY LEAN CLAY: Green, soft, wet, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor		X			
			CL	As Above: wet to saturated				▽	
	10		SC	CLAYEY SAND: Green, moist, stiff, fine- to medium-grained sand, PHC odor		X			
			SC	As Above: Saturated					
			CL	SILTY CLAY: Light brown, stiff, moist, slight PHC odor		X			
			CL	SILTY CLAY: Light greenish-brown, stiff, moist, slight PHC odor					
	15					X			
			CL	As Above: light brown, no PHC odor					
	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 6, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: NA - Collected Open Hole

DRILLING METHOD: Hand Auger


T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	5		CL	SANDY LEAN CLAY: Brown, moist, medium stiff, fine- to medium-grained sand. Petroleum Hydrocarbon (PHC) odor at 7 Ft.		X			
	10		SC	CLAYEY SAND: Greenish-brown, moist, medium stiff, PHC odor, fine- to coarse grained sand		X			
	15								
	20								
	25								

COMMENTS: TD @ 12 Ft., hit something that the hand auger would not go through
Groundwater sample collected after leaving borehole open overnight



PROJECT: 2512

DATE DRILLED: May 5, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 11 Ft.

DRILLING METHOD: Direct Push

T.O.C. TO SCREEN: NA

BORING DIAMETER: 3-inch

SCREEN LENGTH: NA

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.					
2085	5		CL	SANDY LEAN CLAY: Greenish brown, stiff, moist, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor		X			
4259			CL	As Above: very moist		X			
1690 1095	10		SC	CLAYEY SAND: Green, wet to saturated, loose, fine- to coarse-grained sand, PHC odor		X	▽		
1389	15		CL	SILTY CLAY: Light brown, stiff, moist, slight PHC odor		X			
230	20		CL	As Above: no PHC odor					
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512	DATE DRILLED: May 6, 2009
SITE LOCATION: 3820 Manila Ave., Oakland	CASING ELEVATION: NA
DRILLER: Gregg Drilling & Testing	DEPTH TO GW: 15 Ft.
DRILLING METHOD: Direct Push	T.O.C. TO SCREEN: NA
BORING DIAMETER: 3-inch	SCREEN LENGTH: NA
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			Hand Auger to 5 Ft.					
2255	5		CL	SANDY LEAN CLAY: Greenish-brown, stiff, moist, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor		X			
3562						X			
6768	10		SC	CLAYEY SAND w/Gravel: Green-brown, moist, medium stiff, strong PHC odor, fine- to coarse-grained sand, fine gravel		X			
			SC	As Above: green, gravel up to 1-inch		X			
2237						X			
2024	15		CL	SILTY CLAY w/SAND: Green, very moist to wet, PHC odor, fine- to coarse-grained sand					▽
			CL	As Above: Saturated					
			CL	SILTY CLAY: Light brown, very moist, very slight PHC odor					
97	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: 5/19/2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling and Testing

DEPTH TO GW:

DRILLING METHOD: Hollow Stem Auger

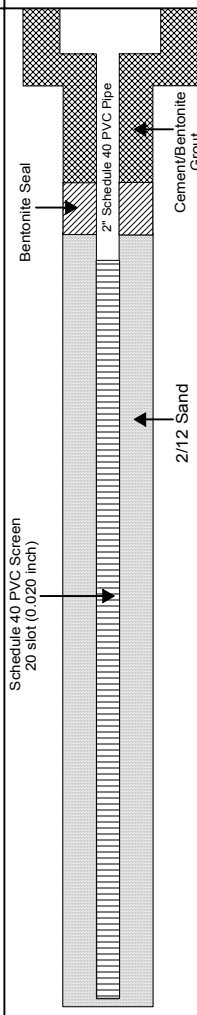
T.O.C. TO SCREEN: 5 ft.

BORING DIAMETER: 6-inch

SCREEN LENGTH: 15 ft.

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID, ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON		GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
					_____	_____			
	5			Former well construction					 <p>Labels in diagram: Bentonite Seal, Cement/Bentonite Grout, 2" Schedule 40 PVC Pipe, Schedule 40 PVC Screen 20 slot (0.020 inch), 2/12 Sand.</p>
	10								
	15								
	20								
	25								

COMMENTS: TD @ 20 ft.

PROJECT: 2512

DATE DRILLED: 5/18/2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling and Testing

DEPTH TO GW:

DRILLING METHOD: Hollow Stem Auger

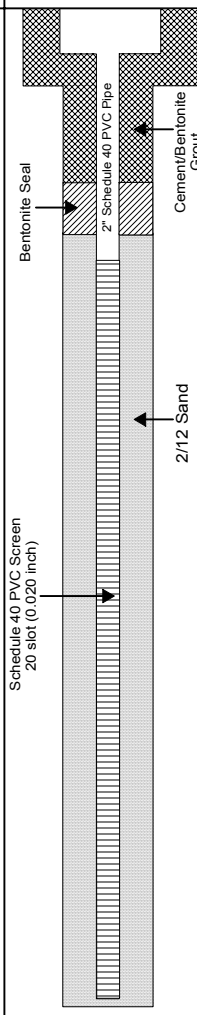
T.O.C. TO SCREEN: 5 ft.

BORING DIAMETER: 6-inch

SCREEN LENGTH: 15 ft.

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID, ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	5			Former well construction					 <p>The well diagram shows a vertical cross-section of the borehole. At the top, there is a section of casing with a hatched pattern. Below this is a 'Bentonite Seal' and another hatched section. A '2" Schedule 40 PVC Pipe' is shown with a 'Bentonite Seal' at its top. Below the pipe is a 'Schedule 40 PVC Screen 20 slot (0.020 inch)'. The screen is located in a layer of '2/12 Sand'. At the bottom of the screen is a 'Cement/Bentonite Grout' section. The depth scale on the left of the diagram ranges from 0 to 25 feet.</p>
	10								
	15								
	20								
	25								

COMMENTS: TD @ 20 ft.

PROJECT: 2512

DATE DRILLED: 5/18/2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling and Testing

DEPTH TO GW:

DRILLING METHOD: Hollow Stem Auger

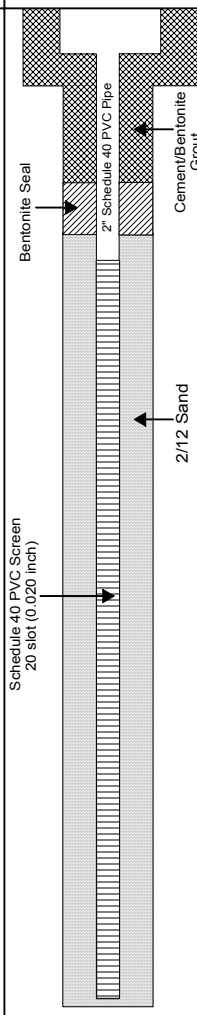
T.O.C. TO SCREEN: 5 ft.

BORING DIAMETER: 6-inch

SCREEN LENGTH: 15 ft.

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr

PID, ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON		GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
					_____	SAMPLED			
	5			Former well construction					
	10								
	15								
	20								
	25								

COMMENTS: TD @ 20 ft.

PROJECT: 2512

DATE DRILLED: May 21, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 12 ft.

DRILLING METHOD: Hollow Stem Auger

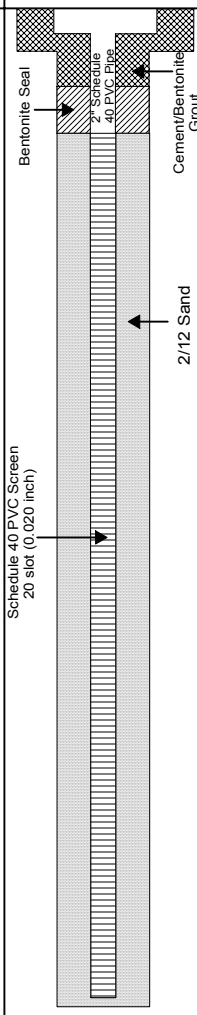
T.O.C. TO SCREEN: 2.5 ft.

BORING DIAMETER: 6 in.

SCREEN LENGTH: 17.5 ft.

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.					
	5		SC	CLAYEY SAND w/Gravel: Orange-brown, stiff, moist, fine- to coarse sand, fine gravel, no Petroleum Hydrocarbon (PHC) odor					
			CL	SANDY LEAN CLAY: Brown, moist, soft, slight PHC odor, fine- to medium-grained sand					
	10			As Above: turns green with strong PHC odor at 10 Ft.					
			SC	CLAYEY SAND: Brownish-green, moist, stiff, PHC odor, fine- to coarse-grained sand, gravel at 10.5 Ft. Becomes very moist to wet at 12 Ft.			▽		
	15		CL	SILTY CLAY: Light brown, very stiff, moist, no PHC odor					
	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 21, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 15 ft.

DRILLING METHOD: Direct Push

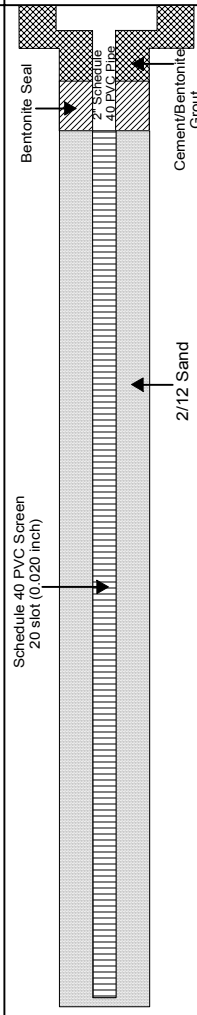
T.O.C. TO SCREEN: 2.5 ft.

BORING DIAMETER: 6-inch

SCREEN LENGTH: 17.5 ft.

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
				Hand Auger to 5 Ft.				 <p>The well diagram shows a vertical cross-section of the borehole. At the top, there is a hatched area representing the casing. Below the casing is a 'Bentonite Seal'. A '2" Schedule 40 PVC Pipe' is shown extending down. At approximately 17.5 feet depth, there is a 'Schedule 40 PVC Screen 20 slot (0.020 inch)'. Below the screen, the soil is labeled '2/12 Sand'. At the bottom of the well, there is 'Cement/Bentonite Grout'.</p>
	5		CL	SANDY LEAN CLAY: Greenish-brown, stiff, moist, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor				
	10		SC	CLAYEY SAND w/Gravel: Green-brown, moist, medium stiff, strong PHC odor, fine- to coarse-grained sand, fine gravel				
	12		SC	As Above: green, gravel up to 1-inch				
	15		CL	SILTY CLAY w/SAND: Green, very moist to wet, PHC odor, fine- to coarse-grained sand		▽		
	16		CL	As Above: Saturated				
	17		CL	SILTY CLAY: Light brown, very moist, very slight PHC odor				
	20							
	25							

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 22, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 11 Ft.

DRILLING METHOD: Hollow Stem Auger

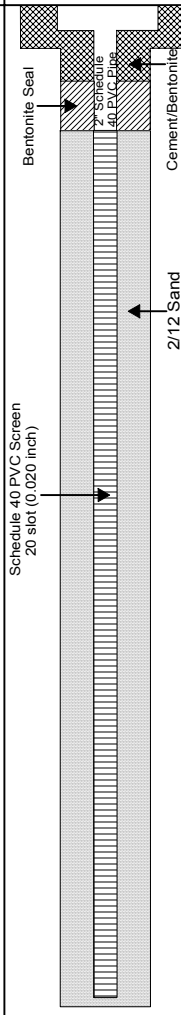
T.O.C. TO SCREEN: 2.5 ft

BORING DIAMETER: 6-inch

SCREEN LENGTH: 17.5 ft.

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
				Hand Auger to 5 Ft.				 <p>Well Diagram details: Shows casing with Bentonite Seal at the top, Cement/Bentonite Grout, and a Schedule 40 PVC Screen with 20 slot (0.020 inch) openings. A 40 PVC Pipe is also indicated. The well is surrounded by 2/12 Sand.</p>
	5		CL	SANDY LEAN CLAY: Greenish brown, stiff, moist, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor				
			CL	As Above: very moist				
	10		SC	CLAYEY SAND: Green, wet to saturated, loose, fine- to coarse-grained sand, PHC odor		▽		
			CL	SILTY CLAY: Light brown, stiff, moist, slight PHC odor				
	15		CL	As Above: no PHC odor				
	20							
	25							

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 21, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 8 ft.

DRILLING METHOD: Hollow Stem Auger

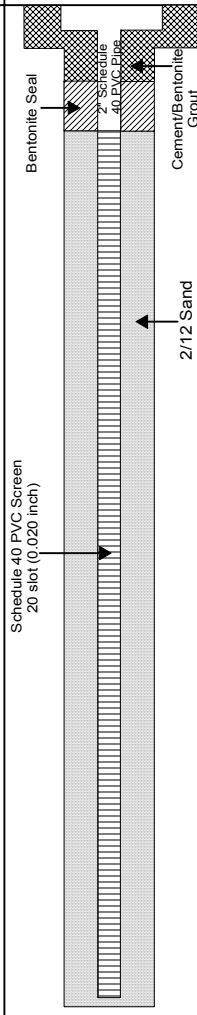
T.O.C. TO SCREEN: 2.5 ft.

BORING DIAMETER: 6-inch

SCREEN LENGTH: 17.5 ft.

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.					 <p>Bentonite Seal Cement/Bentonite Grout 2/12 Sand Schedule 40 PVC Screen 20 slot (0.020 inch) 40 PVC Pipe 2.5 ft. Screen</p>
	5		CL	SANDY LEAN CLAY: Green, soft, wet, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor					
			CL	As Above: wet to saturated					
	10		SC	CLAYEY SAND: Green, moist, stiff, fine- to medium-grained sand, PHC odor					
			SC	As Above: Saturated					
			CL	SILTY CLAY: Light brown, stiff, moist, slight PHC odor					
			CL	SILTY CLAY: Light greenish-brown, stiff, moist, slight PHC odor					
	15								
			CL	As Above: light brown, no PHC odor					
	20								
	25								

COMMENTS: TD @ 20 Ft.

PROJECT: 2512

DATE DRILLED: May 19, 2009

SITE LOCATION: 3820 Manila Ave., Oakland

CASING ELEVATION:

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: 11 Ft.

DRILLING METHOD: Hollow Stem Auger

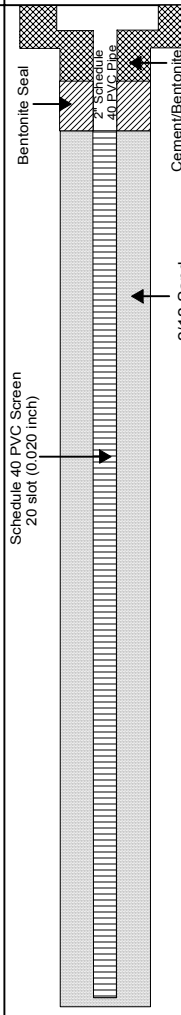
T.O.C. TO SCREEN: 2.5 ft.

BORING DIAMETER: 6-inch

SCREEN LENGTH: 17.5 ft.

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.					 <p>The well diagram shows a vertical cross-section of the borehole. At the top, there is a casing with a Bentonite Seal. Below the seal is a 40 PVC Pipe with a Schedule 20 slot (0.020 inch). The pipe is surrounded by Cement/Bentonite Grout. The screen is located at a depth of 17.5 feet. The surrounding formation is 2/12 Sand.</p>
	5		CL	SANDY LEAN CLAY: Greenish brown, stiff, moist, fine- to coarse-grained sand, strong Petroleum Hydrocarbon (PHC) odor					
			CL	As Above: very moist					
	10		SC	CLAYEY SAND: Green, wet to saturated, loose, fine- to coarse-grained sand, PHC odor			▽		
			CL	SILTY CLAY: Light brown, stiff, moist, slight PHC odor					
	15		CL	As Above: no PHC odor					
	20								
	25								

COMMENTS: TD @ 20 Ft.

APPENDIX D

Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

102

Please print or type (Form designed for use on 8 1/2" (216 mm) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 19341-01	2. Page 1 of 1
3. Generator's Name and Mailing Address Glouctorium 3822 Manilla Ave Baltimore, MD 21209				
4. Generator's Phone (410) 585-4457				
5. Transporter 1 Company Name Advanced Chemical Transport		6. US EPA ID Number CA R000020540	A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter 1 Phone (408) 548-5050	
9. Designated Facility Name and Site Address US Ecology 11 miles south of Beauty, on Hwy 95 Beauty, NV 89003		10. US EPA ID Number INVT 330 010000	C. State Transporter's ID	
			D. Transporter 2 Phone	
			E. State Facility's ID	
			F. Facility's Phone (800) 239-3943	

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	14. Unit W/Vol.
	No.	Type		
a. Non Hazardous waste solid (soil borings)	9	DM	EST 6500	P
b.				
c.				
d.				

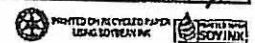
G. Additional Descriptions for Materials Listed Above 11a) 070128043-1088-GLU - 901-THRU909 -(SSG)DM Project number 19341	H. Handling Codes for Wastes Listed Above
---	---

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 Elizabeth Hightower for SOMA	Signature <i>E. Hightower</i>	Date 06/05/09
17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name KEN RATLIFF	Signature <i>Ken Ratliff</i>	Date 06/05/09
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 19.		
Printed/Typed Name Misty Keneaw	Signature <i>Misty Keneaw</i>	Date 06/16/09

NON-HAZARDOUS WASTE



APPENDIX E

Well Survey Data

Harrington Surveys

Land Surveying & Mapping

2278 Larkey Lane, Walnut Creek, Ca. 94596 Phone (925)935-7228 Fax (925)935-5118
Cel (925)788-7359 E-Mail (ben5132@pacbell.net)

Soma Environmental Engineering
6620 Owens Dr
Suite A
Pleasanton Ca. 94588

July 02 2009

Attn: Erica Fisker
Job # 2908

Ref: 3820 Manila Ave., Oakland Ca.

HORIZONTAL CONTROL, NAD 88:

Survey based on California Coordinate System, Zone 3, NAD 83.

B TIDAL PID AE5211 NORTH 2,121,308.82 EAST 6,032,659.16 LAT. N37°47'44.25088"
W122°16'47.37830", NAVD 88, ELEV. 9.39.

PID HT0654, NORTH 2117,057.95 EAST 6,047,431.59, LAT. N37°43'11.04190"
W122°07'09.20691", NAVD 88, ELEV. 13.65.

GPS: TRIMBLE 5800, LEICA TCA 1800, 1" HORZ. & VERT.

EPOCH DATE 2007.00

OBSERVATION: EPOCH=180.

FIELD SURVEY: 7-02-09.

Ben Harrington
PLS 5132



3820 MANILA AVE.
OAKLAND CA.

HARRINGTON SURVEYS
2278 LARKEY LANE
WALNUT CREEK CA 94597

JOB # 2908
DATE: 07/07/09

PT#	NORTH	EAST	ELEV	DESC.	LATITUDE N.DMS	LONGITUDE W.DMS	LAT.N. DEC. DEG.	LONG.W.DEC.DEG.
75	2128282.80	6053968.91	84.87	MPE-3 NOTCH	37°49'36.27652"N	122°15'29.63631"W	37.826788357°N	122.257938351°W
76	2128282.70	6053968.57	85.14	MPE-3 PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826788072°N	122.257939519°W
77	2128283.75	6053969.25	85.15	MPE-3 FF	37°49'36.27652"N	122°15'29.63631"W	37.826790983°N	122.257937246°W



JUL 16 2009 9:11AM Harrington Surveys Inc. 9259355118 P.4

3820 MANILA AVE.
OAKLAND CA.

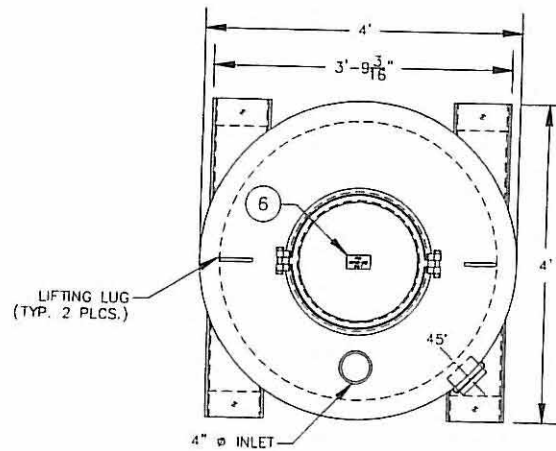
HARRINGTON SURVEYS
2278 LARKEY LANE
WALNUT CREEK CA 94597

JOB # 2908
DATE: 07/07, 2009
PAGE OF 2

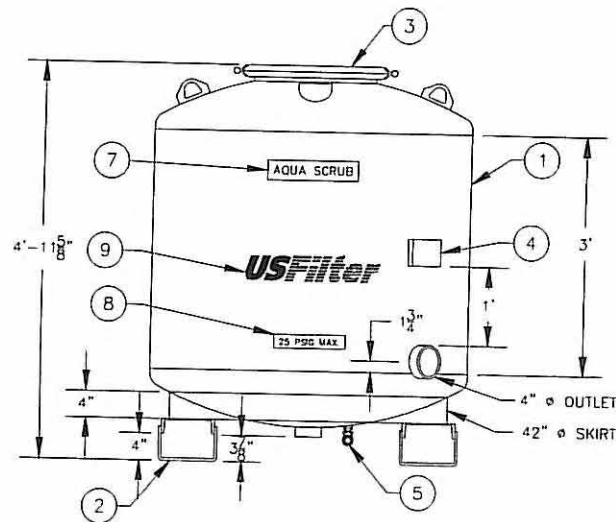
PT#	NORTH	EAST	ELEV	DESC.	LATITUDE N.DMS	LONGTIDUDE W.DMS	LATITUDE DEC. DEG.	LONGTIDUDE W.DEC.DEG.
1	2128400.26	6053866.77	84.03	SET PK-TC-S	37°49'37.58019"N	122°15'29.87854"W	37.827105609°N	122.258299593°W
3	2128379.12	6053814.43	83.46	SET PK-TC-N	37°49'37.36145"N	122°15'30.52580"W	37.827044848°N	122.258479389°W
5	2128167.60	6053704.79	81.21	SET PK-TC-W	37°49'35.25021"N	122°15'31.84259"W	37.826458393°N	122.258845164°W
7	2128323.25	6053926.32	84.57	SET PK/S-TP	37°49'36.83002"N	122°15'29.11835"W	37.826897228°N	122.258088432°W
8	2128279.40	6053906.51	84.58	SET X-TP	37°49'36.39285"N	122°15'29.35491"W	37.826775791°N	122.258154113°W
9	2128267.32	6053922.80	84.59	SET X-TP	37°49'36.27652"N	122°15'29.14905"W	37.826743478°N	122.258096958°W
10	2128289.53	6053933.85	84.77	SET N/S-TP	37°49'36.27652"N	122°15'29.01656"W	37.826805020°N	122.258060156°W
11	2128307.69	6053943.14	84.90	SET X-TP	37°49'36.27652"N	122°15'28.90501"W	37.826855379°N	122.258029171°W
51	2128287.63	6053907.85	83.98	B-10R NOTCH	37°49'36.27652"N	122°15'29.34011"W	37.826798455°N	122.258150032°W
52	2128287.88	6053908.08	84.60	B-10R PUNCH	37°49'36.27652"N	122°15'29.33729"W	37.826799170°N	122.258149248°W
53	2128286.82	6053907.95	84.58	B-10R FF	37°49'36.27652"N	122°15'29.33866"W	37.826796242°N	122.258149628°W
54	2128279.68	6053904.41	84.38	SOMA-2 NOTCH	37°49'36.27652"N	122°15'29.38119"W	37.826776471°N	122.258161442°W
55	2128279.93	6053904.49	84.61	SOMA-2 PUNCH	37°49'36.27652"N	122°15'29.38022"W	37.826777136°N	122.258161172°W
56	2128278.63	6053904.50	84.59	SOMA-2 FF	37°49'36.27652"N	122°15'29.37976"W	37.826773586°N	122.258161045°W
57	2128309.67	6053884.35	84.41	MPE-1 NOTCH	37°49'36.27652"N	122°15'29.63818"W	37.826857770°N	122.258232829°W
58	2128309.44	6053884.49	84.65	MPE-1 PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826857149°N	122.258232309°W
59	2128308.72	6053884.79	84.65	MPE-1 FF	37°49'36.27652"N	122°15'29.63631"W	37.826855199°N	122.258231242°W
60	2128263.25	6053932.99	83.95	SOMA-4R NOTCH	37°49'36.27652"N	122°15'29.63631"W	37.826732814°N	122.258061416°W
61	2128263.39	6053932.72	84.49	SOMA-4R PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826733193°N	122.258062388°W
62	2128263.44	6053931.81	84.50	SOMA-4R FF	37°49'36.27652"N	122°15'29.63631"W	37.826733289°N	122.258065526°W
63	2128260.22	6053946.91	84.45	MPE-4 NOTCH	37°49'36.27652"N	122°15'29.63631"W	37.826725212°N	122.258013051°W
64	2128260.45	6053946.86	84.80	MPE-4 PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826725857°N	122.258013222°W
65	2128259.61	6053947.18	84.82	MPE-4 FF	37°49'36.27652"N	122°15'29.63631"W	37.826723583°N	122.258012083°W
66	2128258.29	6053957.28	84.64	MPE-5 NOTCH	37°49'36.27652"N	122°15'29.63631"W	37.826720467°N	122.257977014°W
67	2128258.06	6053957.18	85.23	MPE-5 PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826719808°N	122.257977358°W
68	2128258.09	6053958.22	85.26	MPE-5 FF	37°49'36.27652"N	122°15'29.63631"W	37.826719944°N	122.257973751°W
69	2128283.95	6053949.57	84.66	MPE-2 NOTCH	37°49'36.27652"N	122°15'29.63631"W	37.826790522°N	122.258005373°W
70	2128283.87	6053949.79	85.09	MPE-2 PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826790304°N	122.258004595°W
71	2128283.82	6053950.71	85.06	MPE-2 FF	37°49'36.27652"N	122°15'29.63631"W	37.826790210°N	122.258001410°W
72	2128302.87	6053952.63	84.66	B-8R NOTCH	37°49'36.27652"N	122°15'29.63631"W	37.826842611°N	122.257996005°W
73	2128302.78	6053952.89	85.07	B-8R PUNCH	37°49'36.27652"N	122°15'29.63631"W	37.826842379°N	122.257995115°W
74	2128302.48	6053953.60	85.05	B-8R FF	37°49'36.27652"N	122°15'29.63631"W	37.826841601°N	122.257992633°W

APPENDIX F

Treatment System Specification Sheets



PLAN VIEW



ELEVATION VIEW

LIST OF COMPONENTS			
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	TANK ASSEMBLY	SEE SHEET 2
2	1	SKID ASSEMBLY	SEE SHEET 3
3	1	MANWAY ASSEMBLY, 18" DIA.	SEE SHEET 4
4	1	PLATE, I.D. & SERIAL NUMBER	N/A
5	1	BRONZE BALL VALVE, 3/4"	1003
6	1	DECAL, "FOR WATER USE ONLY", 2 1/2" x 4 1/4"	N/A
7	2	DECAL, "AQUA-SCRUB", WHITE MYLAR	N/A
8	2	DECAL, "25 PSIG MAX", WHITE MYLAR	N/A
9	2	DECAL, "USFILTER/WESTATES" WHITE MYLAR W/BUE LETTERS	N/A

NOTES:

- DESIGN DATA:**
48" DIAMETER PRESSURE VESSEL-25 PSIG(MAX)
Ø 120°F-NOT ASME CODE STAMPED FOR AQUA USE ONLY
600 CFM
1000 LBS. ACTIVATED CARBON
- MATERIAL:**
HEADS - SA 36-HR
SHELL - SA 36-HR
SKID - SA 36-HR
- SURFACE PREPARATION:**
INTERIOR:
SANDBLAST: SSPC-SP-5 WHITE METAL
ABRASIVE: GARNET OR GRIT - PROFILE: 1.5-2 MILS
COATING: JM BRAND SCOTCHKOTE 134
THICKNESS: 10-15 DFMT - COLOR: GREEN
EXTERIOR:
SANDBLAST: SSPC-SP-10 NEAR WHITE METAL
ABRASIVE: GARNET OR GRIT - PROFILE: 1.5-2 MILS
PRIMER COAT: RUST PREVENTATIVE EPOXY PRIMER (CARBOLINE B93)
THICKNESS: 4-6 DFMT - COLOR: RED
FINISH COAT: HIGH BUILD POLYURETHANE (CARBOLINE 134HG)
THICKNESS: 3-4 DFMT - COLOR: WHITE (FED. I.D.#17925)
- LIFTING REQUIREMENTS:**
5200 LBS. MINIMUM RATING.
EST. WEIGHTS:
890 LBS. - EMPTY VESSEL
1890 LBS. - WITH CARBON
4280 LBS. - OPERATING

COMPANY CONFIDENTIAL
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DESIGNER	DATE
AJA	5/28/02
CHECKER	DATE
ENGINEER	DATE
MANAGER	DATE
FILE:	
SCALE:	NONE

TITLE		ASC1000 GENERAL ASSEMBLY	
CLIENT			
PROJECT		DRAWING	
		ASC1000GenAssy.DWG	
SHEET		1 OF 1	
REV			

USFilter USFILTER/WESTATES
RED BLUFF, CA
1-800-795-2664

ASC1000

Specification Summary

ASC1000 Liquid Phase Adsorption Filter is designed to treat a wide range of contaminated process streams, ease of handling and economical usage. This adsorber is capable of maximum flow rate of 50 GPM.

Data Summary:

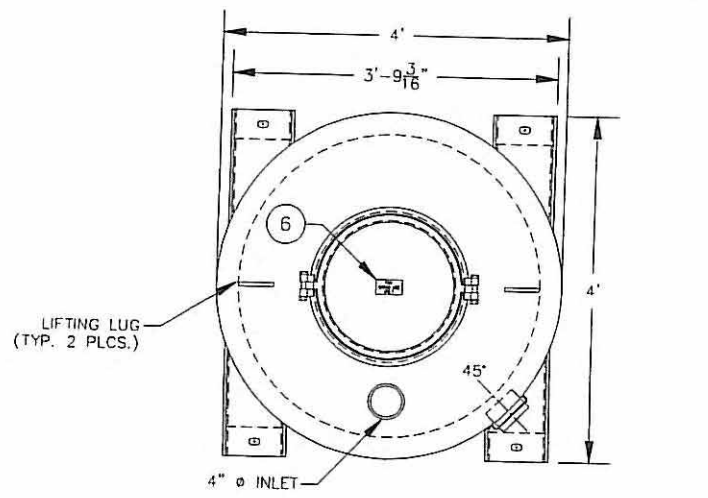
Dimensions	48" dia x 56" high
Maximum Working Pressure.....	25 psi.
Vessel Volume.....	45 cu-ft
Carbon Capacity.....	1000 lbs.
Carbon Bed Volume-Typical.....	34 Ft ³
Maximum Flow.....	50 GPM
Empty Bed Contact Time.....	5.1 MIN @ 50 GPM
Material.....	Carbon Steel
Lifting	Lugs & Fork/Skid
Interior Surface Coating.....	3M ScotchKote 134, 10-15 mil min dft
Exterior Surface Primer	Rust Preventative Epoxy 3 mil min dft
Exterior Surface Coating.....	High Solids Urethane 3mil min dft
Standard Color	White (Federal Standard 17925)

UNDERDRAIN:

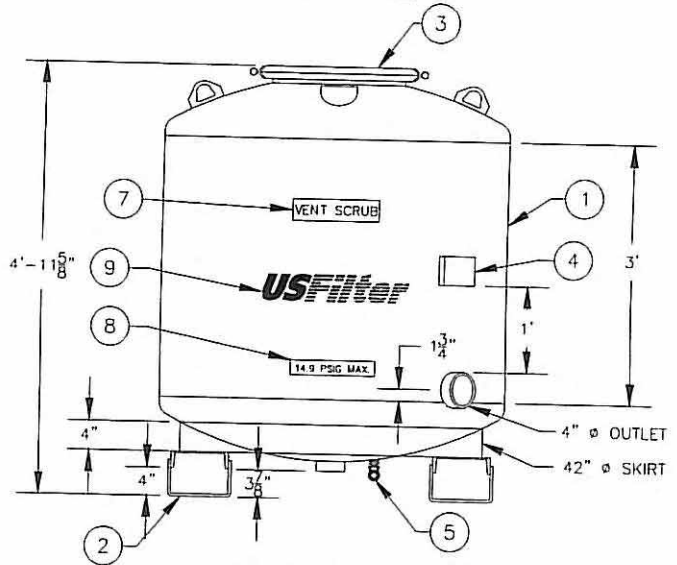
Screen	4" x 36" PVC
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WEIGHT:

Shipping	1890 lbs
Operating	4280 lbs



PLAN VIEW



ELEVATION VIEW


LIST OF COMPONENTS

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	TANK ASSEMBLY	SEE SHEET 2
2	1	SKID ASSEMBLY	SEE SHEET 3
3	1	MANWAY ASSEMBLY, 18" DIA.	SEE SHEET 4
4	1	PLATE, I.D. & SERIAL NUMBER	N/A
5	1	BRONZE BALL VALVE, 3/4"	1003
6	1	DECAL, "FOR VAPOR USE ONLY", 2 1/2" x 4 1/4"	N/A
7	2	DECAL, "VENT-SCRUB", WHITE MYLAR	N/A
8	2	DECAL, "14.9 PSIG MAX", WHITE MYLAR	N/A
9	2	DECAL, "USFILTER/WESTATES" WHITE MYLAR W/BUE LETTERS	N/A

NOTES:

- DESIGN DATA:**
 48" DIAMETER PRESSURE VESSEL-14.9 PSIG(MAX)
 VACUUM RATING - 15" HG
 @ 120°F-NOT ASME CODE STAMPED FOR VAPOR USE ONLY
 600 CFM
 1000 LBS. ACTIVATED CARBON
- MATERIAL:**
 HEADS - SA 36-HR
 SHELL - SA 36-HR
 SKID - SA 36-HR
- SURFACE PREPARATION:**
INTERIOR:
 SANDBLAST: SSPC-SP-5 WHITE METAL
 ABRASIVE: GARNET OR GRIT - PROFILE: 1.5-2 MILS
 COATING: 3M BRAND SCOTCHKOTE 134
 THICKNESS: 10-15 DFMT - COLOR: GREEN
EXTERIOR:
 SANDBLAST: SSPC-SP-10 NEAR WHITE METAL
 ABRASIVE: GARNET OR GRIT - PROFILE: 1.5-2 MILS
 PRIMER COAT: RUST PREVENTATIVE EPOXY PRIMER
 THICKNESS: 4-6 DFMT - COLOR: RED
 FINISH COAT: HIGH BUILD POLYURETHANE
 THICKNESS: 3-4 DFMT - COLOR: WHITE (FED. I.D.#17925)
- LIFTING REQUIREMENTS:**
 5200 LBS. MINIMUM RATING.
 EST. WEIGHTS:
 890 LBS. - EMPTY VESSEL
 1890 LBS. - WITH CARBON

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 THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF THE USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF USF. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF USF, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO USF OR DESTROYED, AS INSTRUCTED BY USF. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.

DESIGNER AJA	DATE 7-17-03	TITLE VSC1000 GENERAL ASSEMBLY
CHECKER	DATE	CLIENT
ENGINEER	DATE	
MANAGER	DATE	 USFILTER/WESTATES RED BLUFF, CA 1-800-795-2664
FILE:	SCALE: NONE	
PROJECT	DRAWING VSC1000SHEET1.DWG	SHEET 1 OF 1
		REV

VSC1000

Specification Summary

VSC1000 Vapor Phase Adsorption Filter is designed to treat a wide range of contaminated process streams, ease of handling and economical usage. This adsorber is capable of maximum flow rate of 600 CFM.

Data Summary:

Dimensions.....	48" dia x 56" high
Maximum Pressure.....	14.9 psi
Maximum Vacuum.....	15 in Hg
Vessel Volume.....	45 cu-ft
Carbon Capacity.....	1000 lbs
Carbon Bed Volume-Typical.....	34 Ft ³
Maximum Flow.....	600 CFM
Material.....	Carbon Steel
Lifting.....	Lugs & Fork/Skid
Interior Surface Coating.....	3M ScotchKote 134, 10-15 mil min dft
Exterior Surface Primer.....	Rust Preventative Epoxy 3 mil min dft
Exterior Surface Coating.....	High Solids Urethane 3mil min dft
Standard Color.....	White (Federal Standard 17925)

UNDERDRAIN:

Screen.....	4" x 36" PVC
-------------	--------------

WEIGHT:

Vessel.....	890 lbs
Shipping (With Carbon).....	1890 lbs
Operating.....	1890 lbs



April 26, 2008

Mansour Sepehr
SOMA Environmental
Pleasanton, CA
925-734-6400

Proposal #: 1050-5715 Rev 1
Page Count: 6
Expiration: 90 Days
Project Location: Solano Way

Article List & Pricing Summary:

Article 1	
420 CFM HVPDE System.....	\$ 29,900.00 Purchase
	\$ 4,250.00/Month

Specifications:

Article 1

Mount

(Qty 1) Design- Engineered and constructed using A-36 carbon steel frame and cross supports with lifting eyes. Skid Material - The skid bases will be constructed of 4-inch by 1.5-inch steel channel and will be designed to allow transport of the skid with minimum deflection. All weld joints will be pre-ground and beveled to a 45 degree edge and power brushed to remove mill scale and foreign matter prior to welding.
Finish - The skid will be coated with primer and painted with a FESI standard paint (Western Automotive Finishes - High Glo Synthetic Enamel System-Lead Free-Light Metallic Blue, W562).

HVDPE Pump Package

(Qty 1) 25Hp Oil Sealed Liquid Ring Pump. Includes pump, motor, secondary inlet particulate filter, inlet check valve, and oil system. Oil system includes; integral oil cooler with thermostat control valve, high oil temperature switch (alarm), high and low oil reservoir level switches(alarms), discharge filter element, external secondary cooling loop, and all associated plumbing. (See Product Spec sheet for performance curves and detail product information. Rated for 420ACFM and up to 29" Hg. Vacuum. Driven by a 25 Hp. TEFC electric motor.

Air/Water Separator

(Qty 1) High efficiency liquid(water)/vapor(air) separator tank, complete with internal baffle, non-metallic demister pad, , manual drain valve, 2" sight glass and all internals coated with chemical rate epoxy finish (118 Gallon Total Volume; 37 Gallon Water Capacity)

Water Transfer Pump

Qty (1) Auto water transfer pump rated for 25GPM. 1½Hp motor attached to a G&L centrifugal pump head. Hand/Off/Auto selector switch located on panel for easy of operations. Branch circuit protected as per NEC requirements.

Vapor Conditioning Package

(Qty 1) High efficiency Air/Air heat Exchanger with Temperature control, complete with air/air heat exchanger, outlet water collection trap, integrated temperature controller, high temp shutdown



VCC 8x30 Virgin Coconut Shell Carbon

BakerCorp's VCC 8x30 mesh virgin carbon made from select grades of coconut shell. These activated carbon granules are a uniform adsorbent with well developed pore structure, allowing for a wide range of adsorbate retention. This carbon is ideal for purification of potable water, industrial wastewater treatment and groundwater treatment. This product is also suitable for refinement of organic liquids requiring purification and color reduction, such as amine and glycol solutions and will remove MTBE from groundwater.

PHYSICAL PROPERTIES:

Carbon Tetrachloride Activity:	60% minimum
Apparent Density (lbs./cu.ft.):	29 average
Total Ash Content:	3% maximum
Hardness (Ball Abrasion):	98% minimum
Iodine Number:	1,000 minimum
Moisture (as packed):	5% maximum
Mesh Size:	8x30

Standard Packaging: 1000 lb. super sacks. Other packaging available upon request.

These specifications represent general parameters and are subject to change. Please consult with BakerCorp before processing with your applications.

PRODUCT DATA SHEET

November, 2005

**KLEEN.AIR
1000HPV & 2000HPV**

GENERAL INFORMATION

These units are designed for the efficient purification of contaminated vapor waste or process streams. They have the ability to remove contaminants to non-detectable levels. The vessels are constructed of heavy-duty mild steel and are lined for corrosion resistance. These filters are shipped from our warehouse with high quality filtration media ready for connection to process piping. Once the media is "spent", Baker can provide a number of service and disposal options.

WEIGHTS AND MEASURES

» Max. Flowrate:	1000HPV: 600 cfm 2000HPV: 600 cfm
» Max. Pressure:	75 psi
» Max. Temp:	150°F
» Height:	1000HPV: 70" 2000HPV: 96"
» Diameter:	48"
» Shipping Wt*: (drum + media) (* Media dependent)	1000HPV: 2050 lbs. – 3050 lbs. 2000HPV: 3100 lbs. – 5100 lbs.

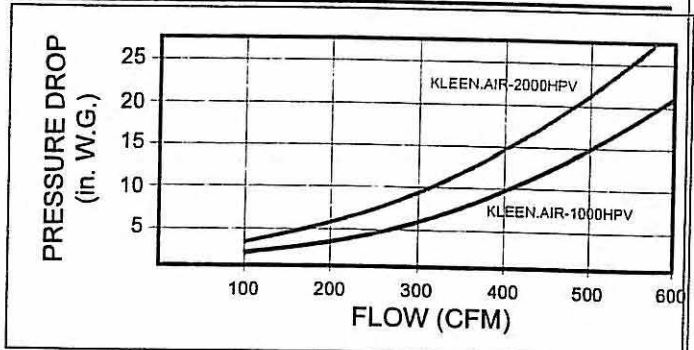
FILTER MEDIA

» Types:	•Activated Carbon •Specialty Media
» Volume:	1000HPV: 34 cu. ft. 2000HPV: 68 cu. ft.
» Weight*: (* Media dependent)	1000HPV: 1000 lbs. – 2000 lbs. 2000HPV: 2000 lbs. – 4000 lbs.

MISCELLANEOUS

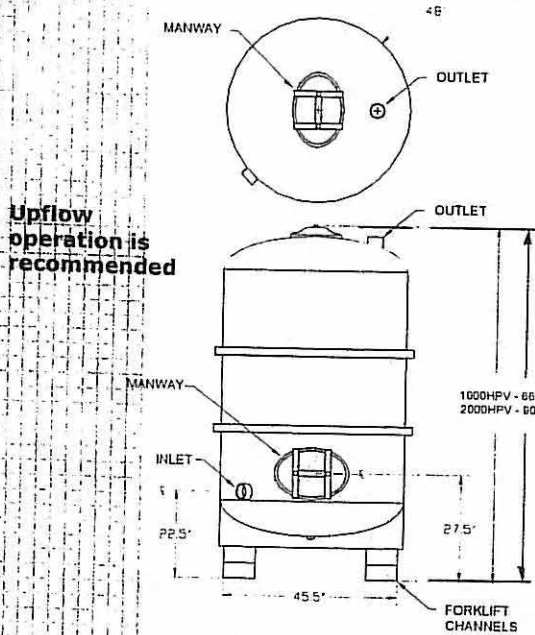
» Inlet:	4" FNPT
» Outlet:	4" FNPT
» Interior Coating:	Double-layered epoxy
» Internals:	PVC inlet diffuser
» Media Access:	12"x16" top and side manways (yoke & bolt style; neoprene gasket)

PRESSURE DROP DATA



NOTES:

1. In the presence of activated carbon, some contaminants may oxidize, polymerize or otherwise react resulting in the release of heat and become a potential fire hazard. Extreme care should be taken in the design and operation of such applications.
2. Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate procedures for potentially low oxygen spaces must be followed, including all federal and state requirements.



To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. No guarantee of accuracy is given or implied because variations can and do exist. NO WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY BAKERCORP, EITHER EXPRESSED OR IMPLIED.

PRODUCT DATA SHEET
January, 2007

KLEEN.WATER 30, 55 & 85

GENERAL INFORMATION

These units are designed for the efficient purification of contaminated water or other liquid streams. These absorbers have the ability to remove organic contaminants to non-detectable levels. The vessels are constructed of heavy-duty mild steel and are lined with a double layered epoxy coating.

WEIGHTS AND MEASURES

» Max. Flowrate:	Model 30 - 10 gpm Model 55 & 85 - 15 gpm
» Max. Pressure:	Model 30 - 10 psi Model 55 & 85 - 12 psi
» Design Temp:	All models - 150°F
» Height:	Model 30 - 30" Model 55 - 36" Model 85 - 40"
» Diameter:	Model 30 - 19" Model 55 - 24" Model 85 - 26"
» Shipping Wt*: (drum + media) (* Media dependent)	Model 30: 145 lbs. - 245 lbs. Model 55: 260 lbs. - 460 lbs. Model 85: 365 lbs. - 645 lbs.

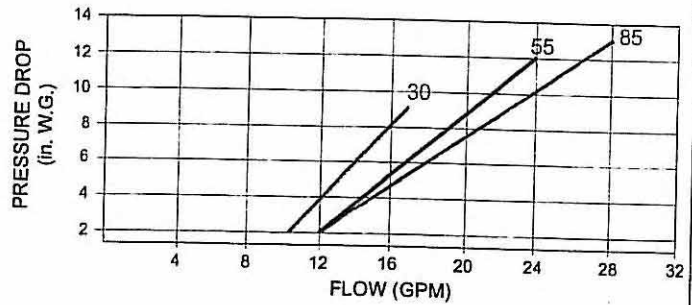
FILTER MEDIA

» Types:	•Activated Carbon •Organoclay •Ion Exchange Resin •Specialty Media
» Volume:	Model 30 - 3.4 cu. ft. Model 55 - 6.9 cu. ft. Model 85 - 9.7 cu. ft.
» Weight*: (* Media dependent)	Model 30: 100 lbs. - 200 lbs. Model 55: 200 lbs. - 400 lbs. Model 85: 280 lbs. - 560 lbs.

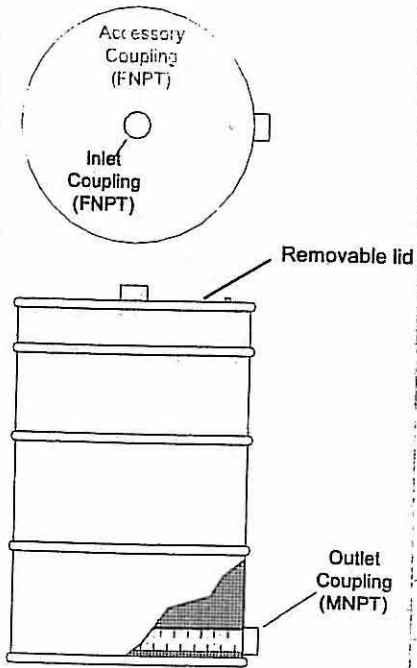
MISCELLANEOUS DATA

» Interior Coating:	Double layered epoxy coating
» Exterior Coating:	High gloss polyurethane paint
» Inlet:	All models - 2" FNPT
» Outlet:	All models - 2" MNPT
» Lid Gasket:	Neoprene

PRESSURE DROP DATA



Downflow operation is recommended



NOTES:

1. Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate procedures for potentially low oxygen spaces must be followed, including all federal and state requirements.

APPENDIX G

MPE Field Data Sheets

SITE ADDRESS: 3815 Broadway, Oakland, California
PROJECT #: 2514

MTS MONITORING POINT DATA

DATE	TIME	WELL ID		WELL ID		WELL ID		WELL ID		WELL ID					
		VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)				
		B-1		B-3		B-9		SOMA-3		SOMA-5					
	1330	0	8.35	0	8.3	0.12	10	0	13.33	0.01	22.55				
12/22/2009	900	0	8.23	0	8.32	0.06	9.65	0	13.02	0	22.37				
12/23/2009	1130	0	7.95	0	8.36	0.08	10.4	0	12.89	0	22.37				
12/24/2009	1000	0	7.8	0	8.36	0.11	10.45	0	12.85	0	22.37				
12/26/2009	1000	0	7.55	0	8.25	0.09	9.65	0	12.85	0	22.32				
	1200	0	7.49	0	8.25	0.06	9.88	0	12.67	0	22.32				
12/30/2009	930	0		0		0.06		0		0					
	1330	0		0		0.06		0		0					
12/31/2009	1000	0	7.65	0.02	8.59	0.07	10.49	0	12.75	0	22.32				
	1400	0	7.65	0	8.52	0.08	10.46	0	12.75	0	22.32				
1/5/2009	1100	0	7.67	0	8.49	0.03	10	0	12.7	0	22.29				
1/6/2009	1000	0	8.06	0	8.89	0.13	11.76	0	13.63	0	22.29				
	1200	0	7.95	0	8.88	0.1	11.75	0	13.93	0	22.29				
	1400	0	7.93	0	8.87	0.6	11.8	0	14.13	0	22.29				
1/7/2009	700	0	8	0	9.07	0.8	11.95	0	14.77	0	22.25				
	930	0	8.14	0	9.08		11.71		14.46		22.28				
	1130	0	8.39	0	9.05	0.03	11.72	0	14.35	0	22.28				
	1230	0	8.59	0	9.03	1	11.95	0.5	14.33	0.6	22.27				
	1430	0	8.7	0	9.04	0.9	12.01	1.1	14.32	0.5	22.28				
1/8/2009	1000	0.01	9.09	0	9.29	0.8	11.91	0	15.26	0.5	22.26				
	1500	0	8.9	0	9.21	0.6	11.97	0	14.6	0.23	22.27				
1/9/2009	1200	0	8.75	0	9.23	0.5	11.76	0	13.77	0.23	22.25				
	1400	0	8.9	0	9.22	0.5	11.78	0	13.57	0.23	22.24				
1/12/2009	1030	0	8.75	0	9.27	0.5	11.66	0	13.42	0.23	22.25				
1/13/2009	1230	0	8.63	0	9.22	0.08	11.25	0	13.09	0	22.25				
1/15/2009	1230	0	8.6	0	9.07	0.11	10.92	0	12.98	0.16	22.25				

SITE ADDRESS: 3815 Broadway, Oakland, California
PROJECT #: 2514

MTS MONITORING POINT DATA

DATE	TIME	WELL ID		WELL ID		WELL ID		WELL ID		WELL ID					
		VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)	VACCUM (IN WATER)	GW ELEVATION (FEET BELOW TOC)				
1/16/2009	1030	0	8.93	0	9.18	0.17	11.1	0.01	12.98	0.16	22.23				
1/19/2009	1200	0.01	8.76	0	9.18	0.4	11.08	0.05	13.08	0.6	22.23				
1/23/2009	1100	0	8.92	0	9.12	0.15	11.12	0	13	0	22.23				
1/26/2009	1000	0	8.7	0	8.88	0.04	10.64	0	12.85	0	22.27				
1/30/2009	930	0	9.2	0	9.6	1.3	12.42	0.08	15.35	0	22.23				
		MPE-4													
6/1/2009	1430	3.5	-												
		SOMA-4		MPE-5											
	1530	0.5	-	0.02	-										
		SOMA-4		MPE-2		MPE-3		B-3		MPE-5					
6/2/2009	1130	1.1	14.7	0.3	11.85/12.72	0.05	11.5/11.55	0.5	12.4	5.5	15.15				
6/3/2009	1300	1	14.12	0.13	11.7/11.9	0.05	11.31/11.39	0.1	12.29	2.3	13.66				
		MPE-1		SOMA-2		B-10									
	1300	0	10.57	0.04	11.6	0.03	11.37								
		MPE-4													
6/4/2009	1200	1	-												
6/5/2009	1200	1	-												
		MPE-3		MPE-5		MPE-4		SOMA-4							
	1400	0.25	-	0.13	-	0.2	-	0.32	-						
		MPE-3		MPE-5		MPE-4		SOMA-4							
	1500			0.13	-	0.2	-	0.3	-						
		SOMA-4		MPE-4		B-3		SOMA-5		B-9		B-8			
6/17/2009	1100	0.25	11.68	0.64	12.33	0	11.9	0	25.36	0.2	10.98	2.2	10.62		
		B-2		MPE-3		SOMA-2		B-10		MPE-1					
		0	9.66	0.26	10.99	0.02	11.01	0.04	10.68	0	10.71				

APPENDIX H

Certified Laboratory Analytical Reports Chain-of-Custody Documentation



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

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

Laboratory Job Number 212001
ANALYTICAL REPORT

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

Project : 2512
Location : 3820 Manila Ave, Oakland
Level : II

Table with 6 columns: Sample ID, Lab ID, Sample ID, Lab ID, Sample ID, Lab ID. It lists 60 sample entries with their respective 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 signatures. 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: 05/19/2009

Signature: [Handwritten Signature]
Senior Program Manager

Date: 05/19/2009

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 212001
Client: SOMA Environmental Engineering Inc.
Project: 2512
Location: 3820 Manila Ave, Oakland
Request Date: 05/07/09
Samples Received: 05/07/09

This data package contains sample and QC results for forty seven soil samples and fourteen water samples, requested for the above referenced project on 05/07/09. 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 many samples, due to interference from coeluting hydrocarbon peaks. High surrogate recovery was observed for trifluorotoluene (FID) in SB-13 (lab # 212001-058). SB-16 (lab # 212001-061) was analyzed with more than 1 mL of headspace in the VOA vial. Many samples had pH greater than 2. No other analytical problems were encountered.

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

Matrix spikes QC495305, QC495306 (batch 150841) were not reported because the parent sample was reextracted in another batch. Matrix spikes QC495309, QC495310 (batch 150842) were not reported because the parent sample was reextracted in another batch. Matrix spikes QC495301, QC495302 (batch 150840) were not reported because the parent sample was reextracted in another batch. High recoveries were observed for gasoline C7-C12 in the MS/MSD of SB-7@11FT (lab # 212001-012); the LCS was within limits, and the associated RPD was within limits. Low surrogate recovery was observed for trifluorotoluene (FID) in SB-14@5FT (lab # 212001-037); the corresponding bromofluorobenzene (FID) surrogate recovery was within limits. High surrogate recoveries were observed for bromofluorobenzene (FID) in many samples; the corresponding trifluorotoluene (FID) surrogate recoveries were within limits. No other analytical problems were encountered.

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

Matrix spikes were not performed for this analysis in batch 150873 due to insufficient sample amount. Low surrogate recoveries were observed for o-terphenyl in SB-5 (lab # 212001-051) and SB-13 (lab # 212001-058). No other analytical problems were encountered.

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

Matrix spikes QC495325, QC495326 (batch 150844) were not reported because the parent sample required a dilution that would have diluted out the spikes. Matrix spikes QC495155, QC495156 (batch 150804) were not reported because the parent sample required a dilution that would have diluted out the spikes. High surrogate recovery was observed for o-terphenyl in the method blank for batch 150804; no target analytes were detected in the sample. SB-1@8FT (lab # 212001-002) was diluted due to the dark and viscous nature of the sample

CASE NARRATIVE

Laboratory number: 212001
Client: SOMA Environmental Engineering Inc.
Project: 2512
Location: 3820 Manila Ave, Oakland
Request Date: 05/07/09
Samples Received: 05/07/09

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

extract. No other analytical problems were encountered.

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

A number of samples were diluted due to high hydrocarbons. A number of samples had pH greater than 2. SB-1 (lab # 212001-048) had multiple vials combined due to sediment. SB-7 (lab # 212001-052) had multiple vials combined due to sediment. SB-8 (lab # 212001-053) had multiple vials combined due to sediment. No other analytical problems were encountered.

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

Matrix spikes QC495274, QC495275 (batch 150819) were not reported because the parent sample was reanalyzed in another batch. Matrix spikes QC495468, QC495469 (batch 150858) were not reported because the parent sample was reanalyzed in another batch. Matrix spikes QC495806, QC495807 (batch 150949) were not reported because the autosampler had an error that stopped the sequence. High surrogate recoveries were observed for bromofluorobenzene in many samples. Methylene chloride was detected above the RL in SB-1@8FT (lab # 212001-002) and SB-1@11FT (lab # 212001-003); this analyte is a common laboratory contaminant. Many samples were diluted due to high hydrocarbons. 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

LOGIN # 212001

Sampler: **Lizzie Hightower**

Project No: **2512**

Report To: **Joyce Bobek**

Project Name: **3820 Manila Ave, 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	SB-1@5ft	5/4/2009 10:28	*			6" Sleeve				*
2	SB-1@8ft	5/4/2009 10:50	*			6" Sleeve				*
3	SB-1@11ft	5/4/2009 10:54	*			6" Sleeve				*
4	SB-1@15ft	5/4/2009 11:10	*			6" Sleeve				*
5	SB-1@18ft	5/4/2009 11:20	*			6" Sleeve				*
6	SB-2@13ft	5/5/2009 16:08	*			6" Sleeve				*
7	SB-4@12ft	5/6/2009 10:08	*			6" Sleeve				*
8	SB-4@14ft	5/6/2009 10:13	*			6" Sleeve				*
9	SB-4@16ft	5/6/2009 10:25	*			6" Sleeve				*
10	SB-5@12ft	5/5/2009 15:33	*			6" Sleeve				*
11	SB-7@8ft	5/5/2009 9:17	*			6" Sleeve				*
12	SB-7@11ft	5/5/2009 9:26	*			6" Sleeve				*
13	SB-7@13ft	5/5/2009 9:41	*			6" Sleeve				*

TPH-ss, TPH-g, TPH-d, EPA Method 8015	BTEX, MtBE, Method 8260B																			
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Notes: **EDF OUTPUT REQUIRED**
 VOCs to include: TBA, PCE, TCE, vinyl chloride, cis/trans-1,2-DCE (dichloroethylene)

RELINQUISHED BY:
E. Hightower 5/7/09 09:23 DATE/TIME
Ruehi Mathur 5/7/09 1110 DATE/TIME
 DATE/TIME

RECEIVED BY:
Ruehi Mathur 5/7/09 9:23 DATE/TIME
[Signature] 5/7/9 1110 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

LOGIN # Z12001

Project No: **2512**

Sampler: **Lizzie Hightower**

Project Name: **3820 Manila Ave, 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
14	SB-8@8ft	5/5/2009 10:11	*			6" Sleeve				*
15	SB-8@11ft	5/5/2009 10:24	*			6" Sleeve				*
16	SB-8@13ft	5/5/2009 10:40	*			6" Sleeve				*
17	SB-9@5ft	5/4/2009 15:30	*			6" Sleeve				*
18	SB-9@8ft	5/4/2009 15:42	*			6" Sleeve				*
19	SB-9@11ft	5/5/2009 15:48	*			6" Sleeve				*
20	SB-9@13ft	5/5/2009 16:04	*			6" Sleeve				*
21	SB-10@5ft	5/4/2009 14:20	*			6" Sleeve				*
22	SB-10@8ft	5/4/2009 14:34	*			6" Sleeve				*
23	SB-10@11ft	5/4/2009 14:41	*			6" Sleeve				*
24	SB-10@12.5ft	5/4/2009 15:00	*			6" Sleeve				*
25	SB-11@5ft	5/4/2009 11:54	*			6" Sleeve				*
26	SB-11@8ft	5/4/2009 12:07	*			6" Sleeve				*

TPH-ss, TPH-g, TPH-d, EPA Method 8015	BTEX, MtBE, Method 8260B																				
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Notes: **EDF OUTPUT REQUIRED**
 VOCs to include: TBA, PCE, TCE, vinyl chloride, cis/trans-1,2-DCE (dichloroethylene)

RELINQUISHED BY:

 DATE/TIME: 5/7/09 09:23
 RECEIVED BY:
 Ruchi Mathur 5/7/09 1110
 DATE/TIME: 5/7/09 1110
 DATE/TIME

RECEIVED BY:
 Ruchi Mathur 5/7/09 9:23
 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

LOGIN # 212001

Project No: 2512
Project Name: 3820 Manila Ave, Oakland
Turnaround Time: Standard
Sampler: Lizzie Hightower
Report To: Joyce Bobek
Company : SOMA Environmental
Telephone: 925-734-6400
Fax: 925-734-6401

TPH-ss, TPH-g, TPH-d, EPA Method 8015	BTEX, MtBE, Method 8260B													
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Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative			
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE
27	SB-11@10ft	5/4/2009 12:20	*			6" Sleeve				*
28	SB-11@12ft	5/4/2009 12:30	*			6" Sleeve				*
29	SB-12@5ft	5/5/2009 11:19	*			6" Sleeve				*
30	SB-12@8ft	5/5/2009 11:30	*			6" Sleeve				*
31	SB-12@11ft	5/5/2009 11:35	*			6" Sleeve				*
32	SB-12@13ft	5/5/2009 11:46	*			6" Sleeve				*
33	SB-13@7ft	5/5/2009 12:20	*			6" Sleeve				*
34	SB-13@11ft	5/5/2009 14:20	*			6" Sleeve				*
35	SB-13@13ft	5/5/2009 12:34	*			6" Sleeve				*
36	SB-13@16ft	5/5/2009 12:42	*			6" Sleeve				*
37	SB-14@5ft	5/6/2009 11:38	*			6" Sleeve				*
38	SB-14@8ft	5/6/2009 11:47	*			6" Sleeve				*
39	SB-14@11ft	5/6/2009 12:05	*			6" Sleeve				*

Notes: EDF OUTPUT REQUIRED
 VOCs to include: TBA, PCE, TCE, vinyl chloride, cis/trans-1,2-DCE (dichloroethylene)

RELINQUISHED BY:	RECEIVED BY:
E. Hightower 5/7/09 09:23 DATE/TIME	Ruehi Mathews 5/7/09 9:23 DATE/TIME
Ruehi Mathews 5/7/09 11:10 DATE/TIME	Ankers 5/7/09 11:10 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

LOGIN # Z12001

Sampler: Lizzie Hightower

Project No: 2512

Report To: Joyce Bobek

Project Name: 3820 Manila Ave, 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
<u>40</u>	SB-15@5ft	5/5/2009 14:02	*			6" Sleeve				*
<u>41</u>	SB-15@8ft	5/5/2009 14:07	*			6" Sleeve				*
<u>42</u>	SB-15@11ft	5/5/2009 14:51	*			6" Sleeve				*
<u>43</u>	SB-15@14ft	5/5/2009 14:30	*			6" Sleeve				*
<u>44</u>	SB-16@5ft	5/6/2009 13:54	*			6" Sleeve				*
<u>45</u>	SB-16@8ft	5/6/2009 13:58	*			6" Sleeve				*
<u>46</u>	SB-16@11ft	5/6/2009 14:05	*			6" Sleeve				*
<u>47</u>	SB-16@14ft	5/6/2009 14:19	*			6" Sleeve				*

TPH-ss, TPH-g, TPH-d, EPA Method 8015	BTEX, MtBE, Method 8260B																	
		*	*															
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*	*																	

Notes: EDF OUTPUT REQUIRED VOCs to include: TBA, PCE, TCE, vinyl chloride, cis/trans-1,2-DCE (dichloroethylene)	RELINQUISHED BY:		RECEIVED BY:	
	<i>E. Hightower</i>	<u>5/7/09 09:23</u>	<i>Ruchi Mathur</i>	<u>5/7/09 9:23</u>
	<i>Ruchi Mathur</i>	<u>5/7/09 1110</u>	<i>[Signature]</i>	<u>5/7/09 1110</u>
		DATE/TIME		DATE/TIME

COOLER RECEIPT CHECKLIST



Login # 212001 Date Received 5/7/09 Number of coolers 4
 Client SOMA ENV. Project 3820 MANILA AVE, OAKLAND
 Date Opened 5/7/09 By (print) M. Villanueva (sign) [Signature]
 Date Logged in ✓ By (print) ✓ (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# 33 TIME ON SAMPLE 12:08
 SAMPLE# 34 TIME ON SAMPLE 12:20
 SAMPLE# 59 NO CONTAINER RECD FOR TPH-D
 VOA SAMPLES w/ BUBBLE #48 3/6
 #49 no #51 4/6
 #50, 51, 52 1/6
 #53 55 2/6
 #60 1/6

SEDIMENT IN WATER SAMPLES

Anna Pajarillo

From: "Erica Fisker" <efisker@somaenv.com>
To: <anna@ctberk.com>
Sent: Monday, May 11, 2009 11:25 AM
Subject: Job 212001 [Spam][68.0%]

Hi Anna,

This email is to confirm that we want to put a three day turn around on soil and groundwater samples for SB-10, SB-12, SB-13, and SB-16.

I don't know if this is possible, but is it at all possible to get results as they come in (if some analytes are done before others) before we get the final report?

Thank you,

Erica Fisker, Ph.D.
Senior Staff Geologist
SOMA Environmental Engineering, Inc.
6620 Owens Drive, Suite A
Pleasanton, CA 94588
PH: 925-734-6400
Fax: 925-734-6401
Web: www.somaenv.com

Anna Pajarillo

From: "Anna Pajarillo" <anna@ctberk.com>
To: "Andrew McDowell" <andrew.mcdowell@ctberk.com>; "Stephen Koster" <stephen@ctberk.com>
Cc: "Tracy Babjar" <tracy.babjar@ctberk.com>
Sent: Monday, May 11, 2009 11:31 AM
Subject: SOMA # 212001

The client would like results ASAP on about 16 soils and 4 waters from this job. Please let me know what we can do for her.

The samples she wants rushed are (8260X, TEH, TVH+stoddard) :

212001-021, 022, 023, 024 (all SB-10 soil samples)
212001-029, 030, 031, 032 (all SB-12 soil samples)
212001-033, 034, 035, 036 (all SB-13 soil samples)
212001-044, 045, 046, 047 (all SB-16 soil samples)

212001-055, 057, 058, 061 (water samples)

I need to get back to her today.
Thanks,
Anna

CURTIS & TOMPKINS, LTD. BERKELEY

LOGIN CHANGE FORM

Reason for change: Client Request By: Erica Fisker
 Login Review Data Review

Date/Time: 5/11/2009 12:23 Initials: AMP

Client: SOMA

Data Package Level: II

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
212001-021, 022, 023, 024		SB-10 samples	soil	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-029, 030, 031, 032		SB-12 samples	soil	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-033, 034, 035, 036		SB-13 samples	soil	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-044, 045, 046, 047		SB-16 samples	soil	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-056		SB-10	water	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-057		SB-12	water	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-058		SB-13	water	change to RUSH	8260X, TEH, TVH+Stoddard	13-May
212001-061		SB-16	water	change to RUSH	8260X, TEH, TVH+Stoddard	13-May

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L		

Field ID:	SB-1	Batch#:	150861
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-048	Analyzed:	05/12/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	3,200 Y	50
Stoddard Solvent C7-C12	2,700	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	63-146
Bromofluorobenzene (FID)	1214 *	70-140

Field ID:	SB-2	Batch#:	150861
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-049	Analyzed:	05/11/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	370 Y	50
Stoddard Solvent C7-C12	310 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	85	63-146
Bromofluorobenzene (FID)	195 *	70-140

Field ID:	SB-4	Batch#:	151004
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-050	Analyzed:	05/14/09
Diln Fac:	200.0		

Analyte	Result	RL
Gasoline C7-C12	490,000 Y	10,000
Stoddard Solvent C7-C12	460,000	10,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-146
Bromofluorobenzene (FID)	197 *	70-140

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

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L		

Field ID:	SB-5	Batch#:	150861
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-051	Analyzed:	05/11/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	320 Y	50
Stoddard Solvent C7-C12	270 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	63-146
Bromofluorobenzene (FID)	213 *	70-140

Field ID:	SB-7	Batch#:	150861
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-052	Analyzed:	05/11/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	670 Y	50
Stoddard Solvent C7-C12	570	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	76	63-146
Bromofluorobenzene (FID)	369 *	70-140

Field ID:	SB-8	Batch#:	150861
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-053	Analyzed:	05/12/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	210 Y	50
Stoddard Solvent C7-C12	180 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	76	63-146
Bromofluorobenzene (FID)	185 *	70-140

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

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L		

Field ID: SB-9 Batch#: 151004
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-054 Analyzed: 05/14/09
 Diln Fac: 100.0

Analyte	Result	RL
Gasoline C7-C12	240,000 Y	5,000
Stoddard Solvent C7-C12	230,000	5,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-146
Bromofluorobenzene (FID)	201 *	70-140

Field ID: SB-10 Batch#: 150861
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-055 Analyzed: 05/12/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	4,100 Y Z	50
Stoddard Solvent C7-C12	3,500 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	63-146
Bromofluorobenzene (FID)	532 *	70-140

Field ID: SB-11 Batch#: 151004
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-056 Analyzed: 05/14/09
 Diln Fac: 100.0

Analyte	Result	RL
Gasoline C7-C12	130,000 Y	5,000
Stoddard Solvent C7-C12	120,000	5,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-146
Bromofluorobenzene (FID)	160 *	70-140

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

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L		

Field ID:	SB-12	Batch#:	150956
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-057	Analyzed:	05/13/09
Diln Fac:	200.0		

Analyte	Result	RL
Gasoline C7-C12	1,300,000 Y	10,000
Stoddard Solvent C7-C12	1,000,000	10,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-146
Bromofluorobenzene (FID)	267 *	70-140

Field ID:	SB-13	Batch#:	150861
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-058	Analyzed:	05/11/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	9,200 Y	50
Stoddard Solvent C7-C12	7,800	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	163 *	63-146
Bromofluorobenzene (FID)	1736 *	70-140

Field ID:	SB-14	Batch#:	150861
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-059	Analyzed:	05/12/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	9,400 Y	50
Stoddard Solvent C7-C12	8,000	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	63-146
Bromofluorobenzene (FID)	1524 *	70-140

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

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L		

Field ID:	SB-15	Batch#:	151004
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-060	Analyzed:	05/14/09
Diln Fac:	1,000		

Analyte	Result	RL
Gasoline C7-C12	9,400,000 Y	50,000
Stoddard Solvent C7-C12	8,900,000	50,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-146
Bromofluorobenzene (FID)	364 *	70-140

Field ID:	SB-16	Batch#:	150956
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-061	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	410,000 Y	2,500
Stoddard Solvent C7-C12	320,000	2,500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	63-146
Bromofluorobenzene (FID)	351 *	70-140

Type:	BLANK	Batch#:	150861
Lab ID:	QC495377	Analyzed:	05/11/09
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	68	63-146
Bromofluorobenzene (FID)	76	70-140

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

Total Volatile Hydrocarbons

Lab #: 212001	Location: 3820 Manila Ave, Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2512	Analysis: EPA 8015B
Matrix: Water	Received: 05/07/09
Units: ug/L	

Type: BLANK	Batch#: 150956
Lab ID: QC495775	Analyzed: 05/13/09
Diln Fac: 1.000	

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-146
Bromofluorobenzene (FID)	103	70-140

Type: BLANK	Batch#: 151004
Lab ID: QC495962	Analyzed: 05/14/09
Diln Fac: 1.000	

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-146
Bromofluorobenzene (FID)	100	70-140

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

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC495378	Batch#:	150861
Matrix:	Water	Analyzed:	05/11/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	974.3	97	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	63-146
Bromofluorobenzene (FID)	100	70-140

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Field ID:	SB-2	Batch#:	150861
MSS Lab ID:	212001-049	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/11/09
Diln Fac:	1.000		

Type: MS Lab ID: QC495379

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	365.6	2,000	1,886	76	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	63-146
Bromofluorobenzene (FID)	200 *	70-140

Type: MSD Lab ID: QC495380

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,028	83	66-120	7	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-146
Bromofluorobenzene (FID)	200 *	70-140

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	150956
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	1.000		

Type: BS Lab ID: QC495776

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	956.5	96	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	63-146
Bromofluorobenzene (FID)	102	70-140

Type: BSD Lab ID: QC495777

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	906.6	91	76-121	5	21

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	63-146
Bromofluorobenzene (FID)	105	70-140

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC495963	Batch#:	151004
Matrix:	Water	Analyzed:	05/14/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,059	106	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	63-146
Bromofluorobenzene (FID)	107	70-140

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	151004
MSS Lab ID:	212042-001	Sampled:	05/07/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	1.000		

Type: MS Lab ID: QC495964

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	532.2	2,000	2,209	84	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	63-146
Bromofluorobenzene (FID)	116	70-140

Type: MSD Lab ID: QC495965

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,202	83	66-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	63-146
Bromofluorobenzene (FID)	115	70-140

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq

Sample Name: 212001-048,150861,tvh+stodd

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_025

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

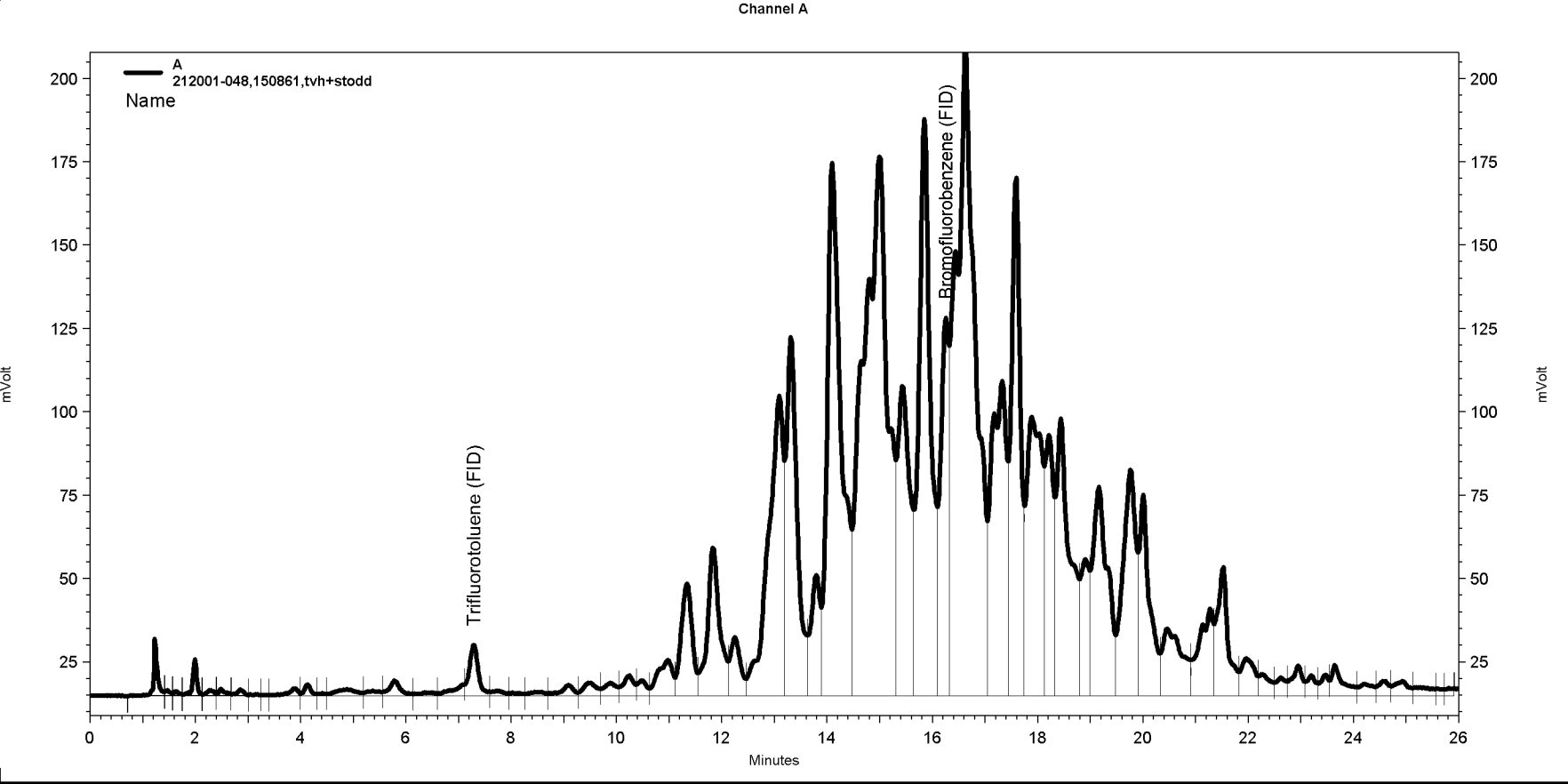
Software Version 3.1.7

Run Date: 5/12/2009 12:45:46 AM

Analysis Date: 5/12/2009 11:19:13 AM

Sample Amount: 5 Multiplier: 5

Vial & pH or Core ID: a1.6



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Integration Events

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Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_025

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	7.123	0	26.017
Yes	Split Peak	16.325	0	0
Yes	Split Peak	16.325	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq

Sample Name: mss,212001-049,150861,tvh+stodd

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_011

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

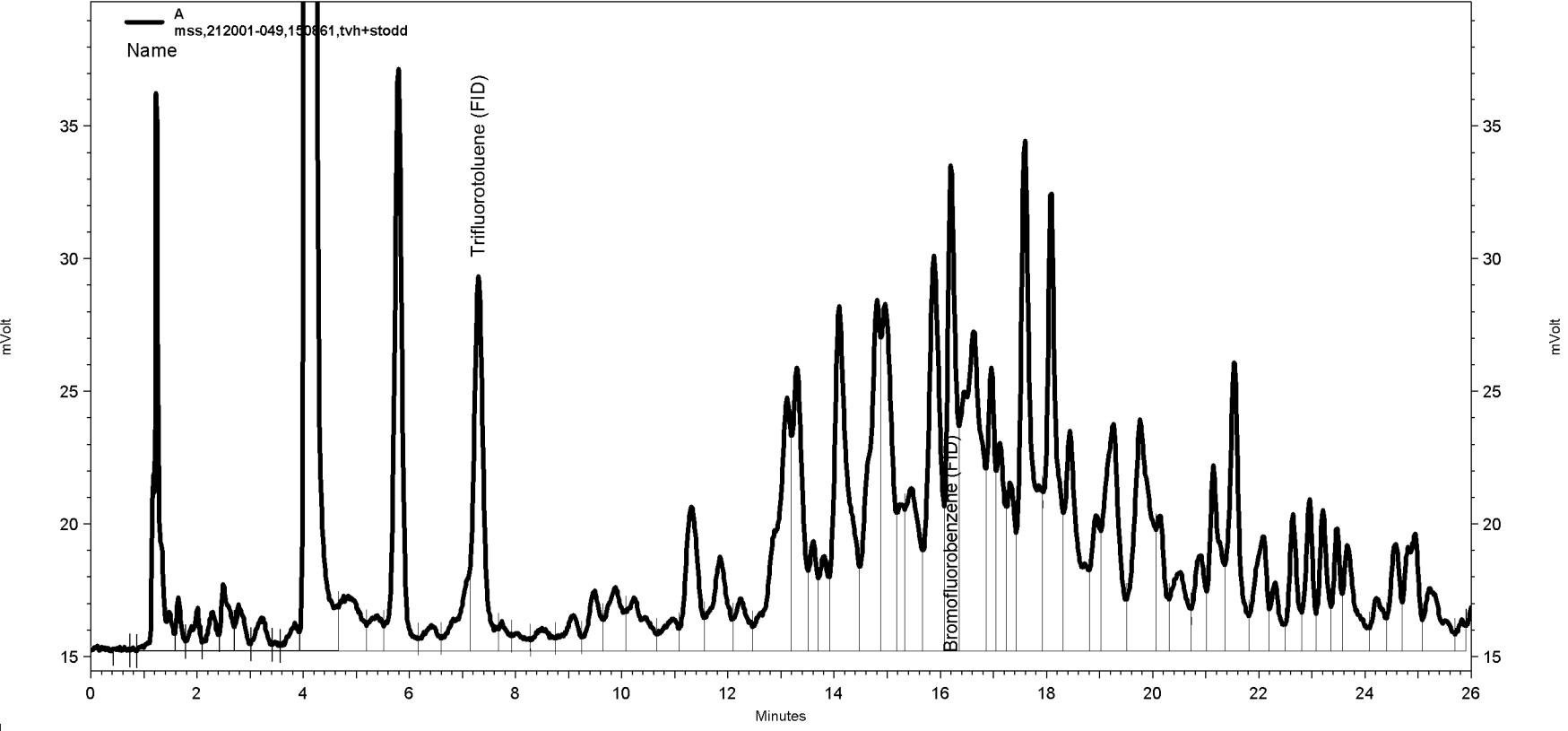
Software Version 3.1.7

Run Date: 5/11/2009 3:59:27 PM

Analysis Date: 5/12/2009 11:09:47 AM

Sample Amount: 5 Multiplier: 5

Vial & pH or Core ID: at:3



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No items selected for this section

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\GC19\Data\131_011

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	7.155	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq

Sample Name: 212001-051;150861,tvh+stodd

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_022

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

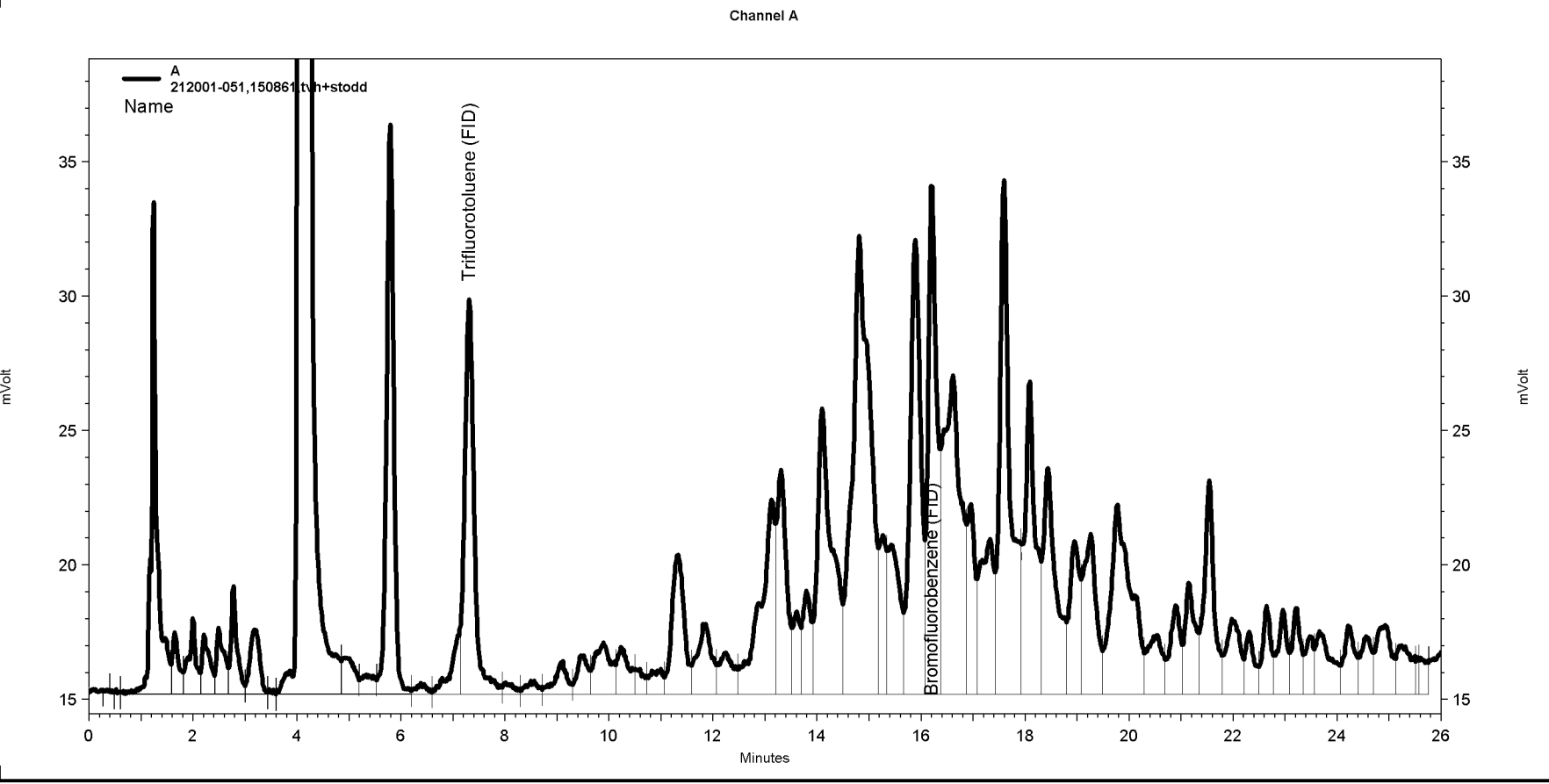
Software Version 3.1.7

Run Date: 5/11/2009 10:53:05 PM

Analysis Date: 5/12/2009 11:16:03 AM

Sample Amount: 5 Multiplier: 5

Vial & pH or Core ID: a4.0



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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\GC19\Data\131_022				
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	0.484	26.017	0
Yes	Split Peak	7.152	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq

Sample Name: 212001-052,150861,tvh+stodd

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_023

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\TVH\txeMTBEsingle128.met

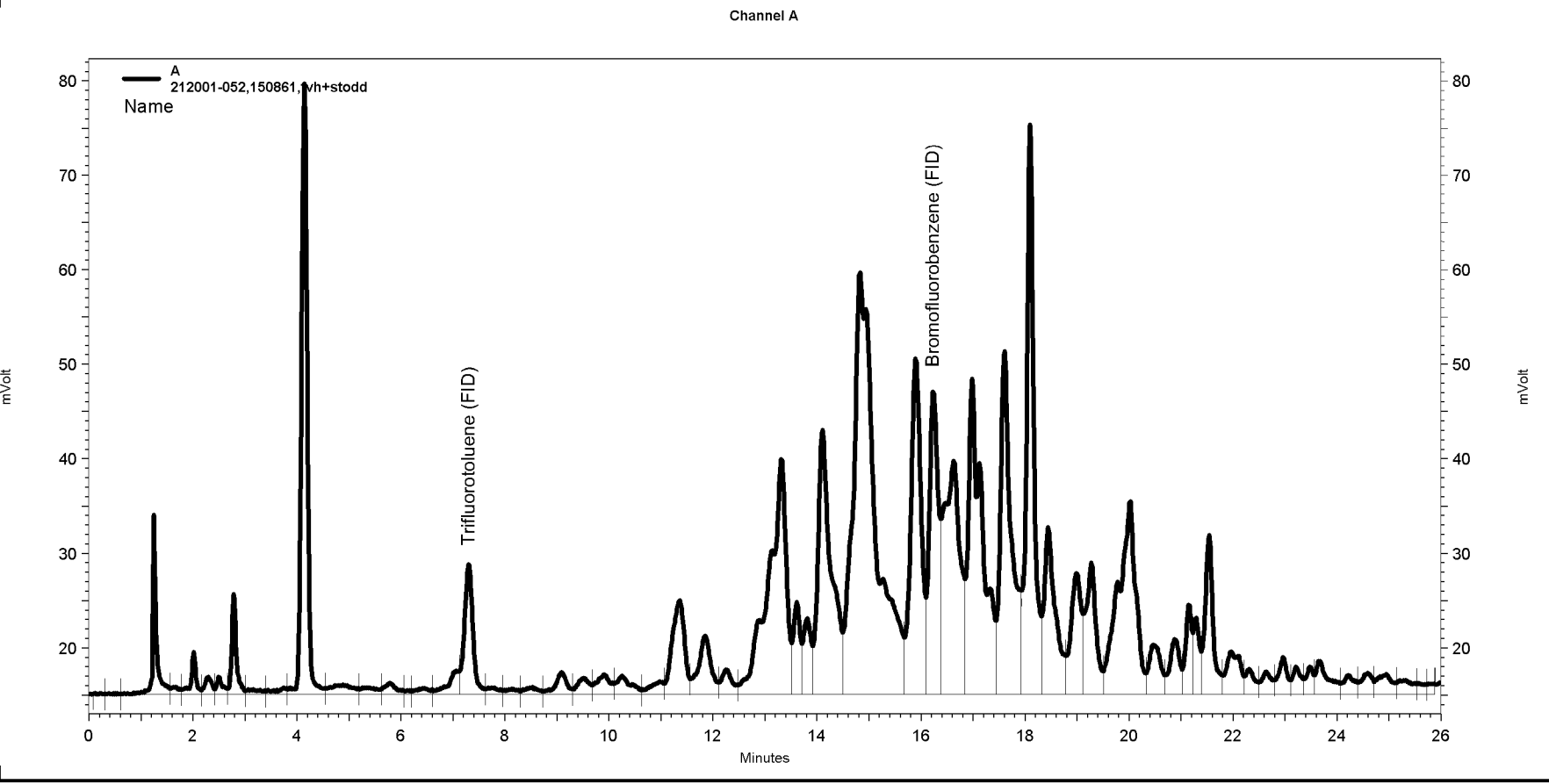
Software Version 3.1.7

Run Date: 5/11/2009 11:30:39 PM

Analysis Date: 5/12/2009 11:17:02 AM

Sample Amount: 5 Multiplier: 5

Vial & pH or Core ID: a1.6



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

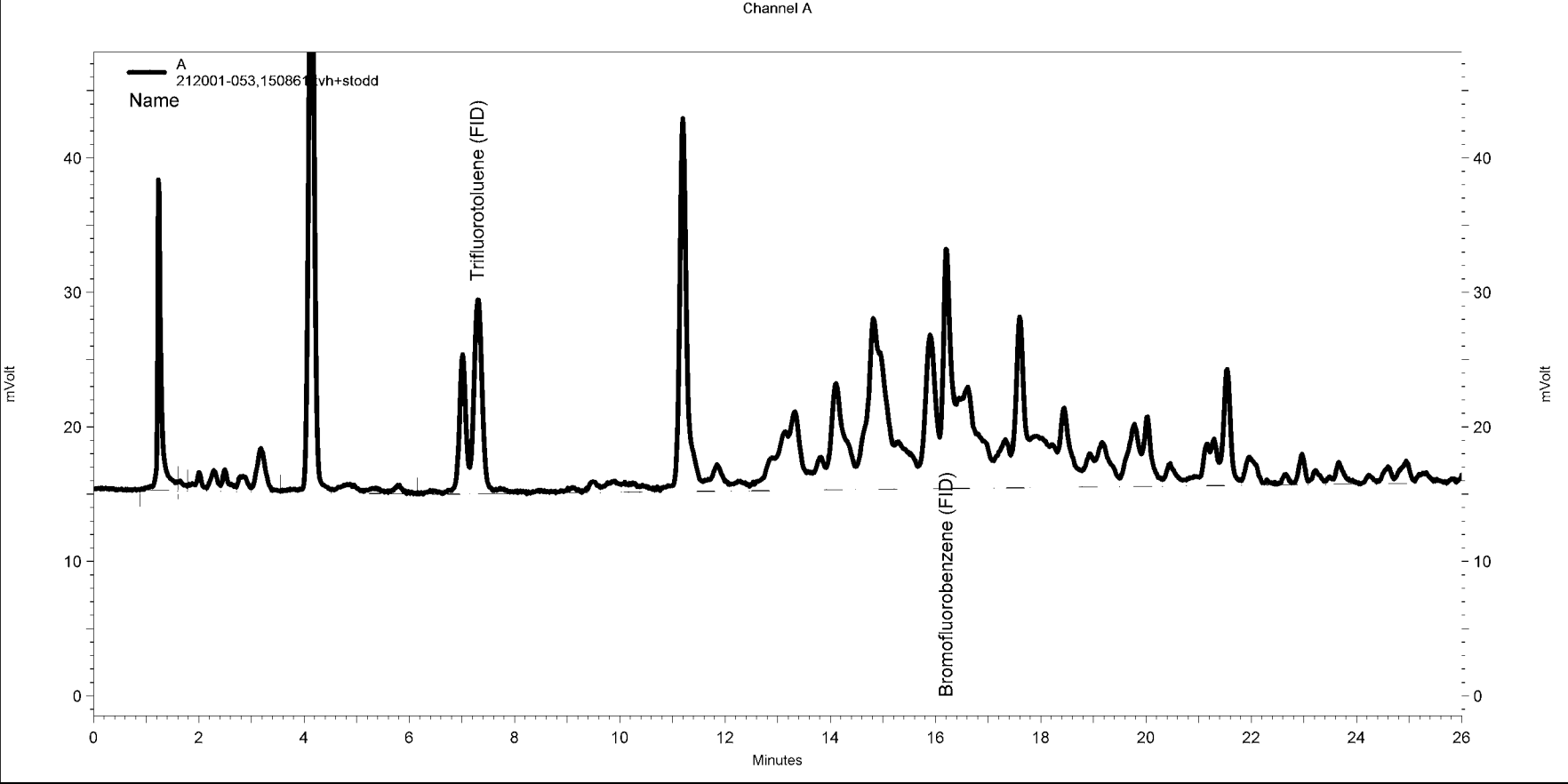
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Manual Integration Fixes
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Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_023

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	7.129	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq
Sample Name: 212001-053, 150861, tvh+stodd
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_024
Instrument: GC19 Vial: N/A Operator: lms2k3\vh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\vhbtxelMTBESingle128.met

Software Version 3.1.7
Run Date: 5/12/2009 12:08:13 AM
Analysis Date: 5/12/2009 12:37:17 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.6



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Integration Events

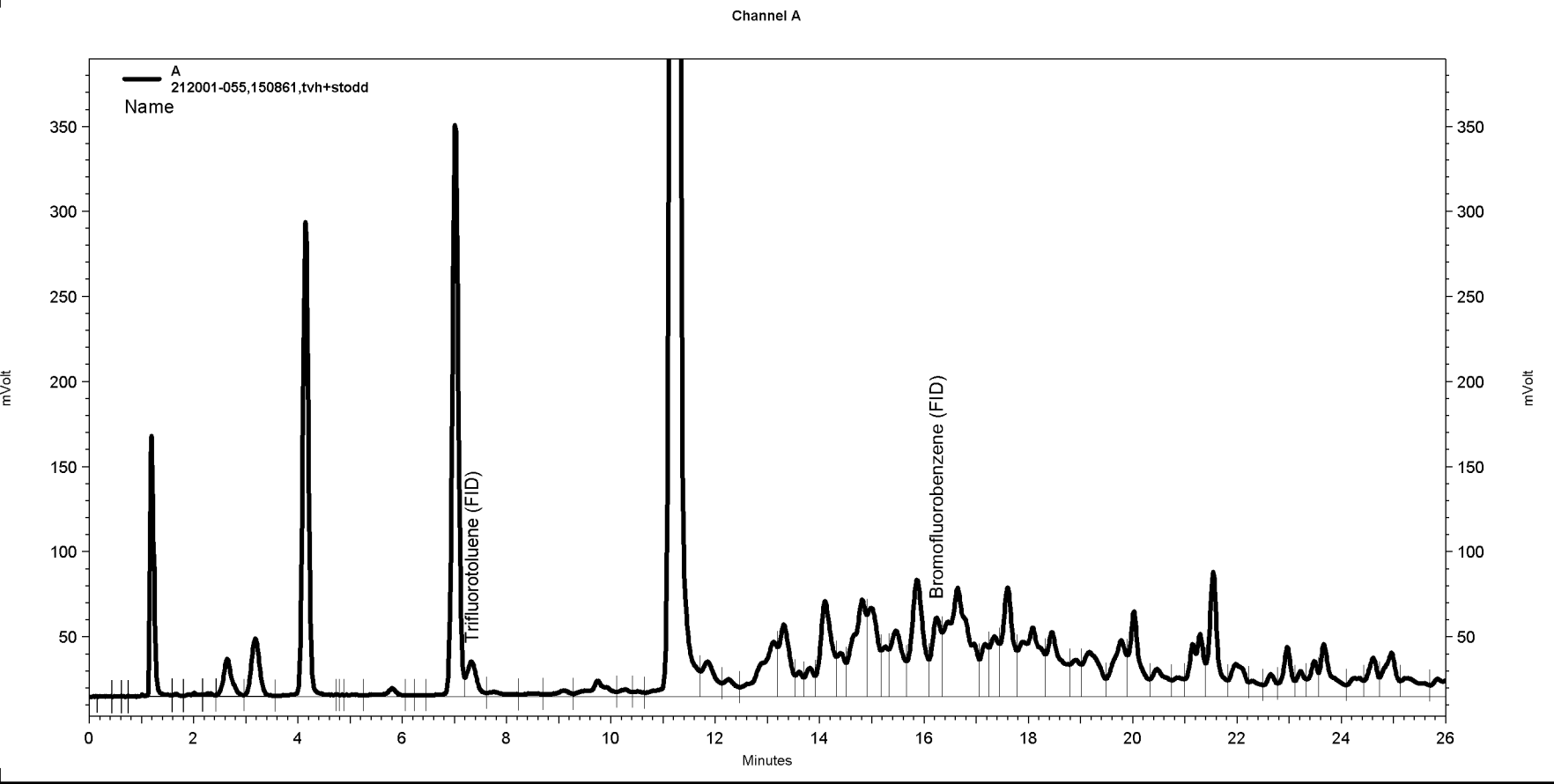
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes
Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10050131_024_4264.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq
Sample Name: 212001-055,150861,tvh+stodd
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_029
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

Software Version 3.1.7
Run Date: 5/12/2009 3:16:04 AM
Analysis Date: 5/12/2009 11:21:05 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: at.3



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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

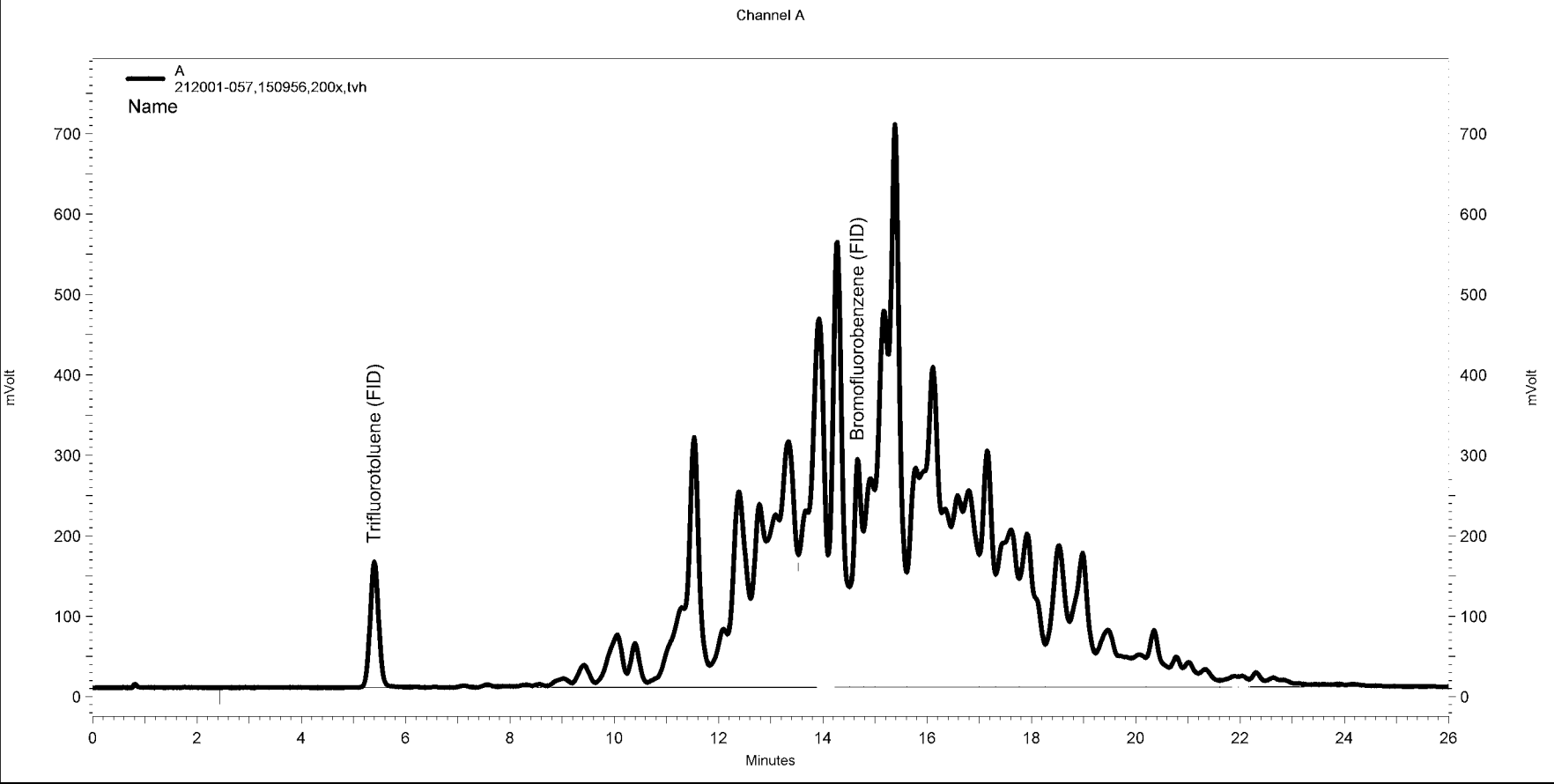
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_029

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\133.seq
Sample Name: 212001-057,150956,200x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\133_008
Instrument: GC07 Vial: N/A Operator: lms2k3\vh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lvhbtxe119.met

Software Version 3.1.7
Run Date: 5/13/2009 1:08:18 PM
Analysis Date: 5/13/2009 1:37:01 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: E1.3



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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: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.100491133_008_2797.fmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq

Sample Name: 212001-058,150861,tvh+stodd

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_014

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\TVH\Txe\MTBEsingle128.met

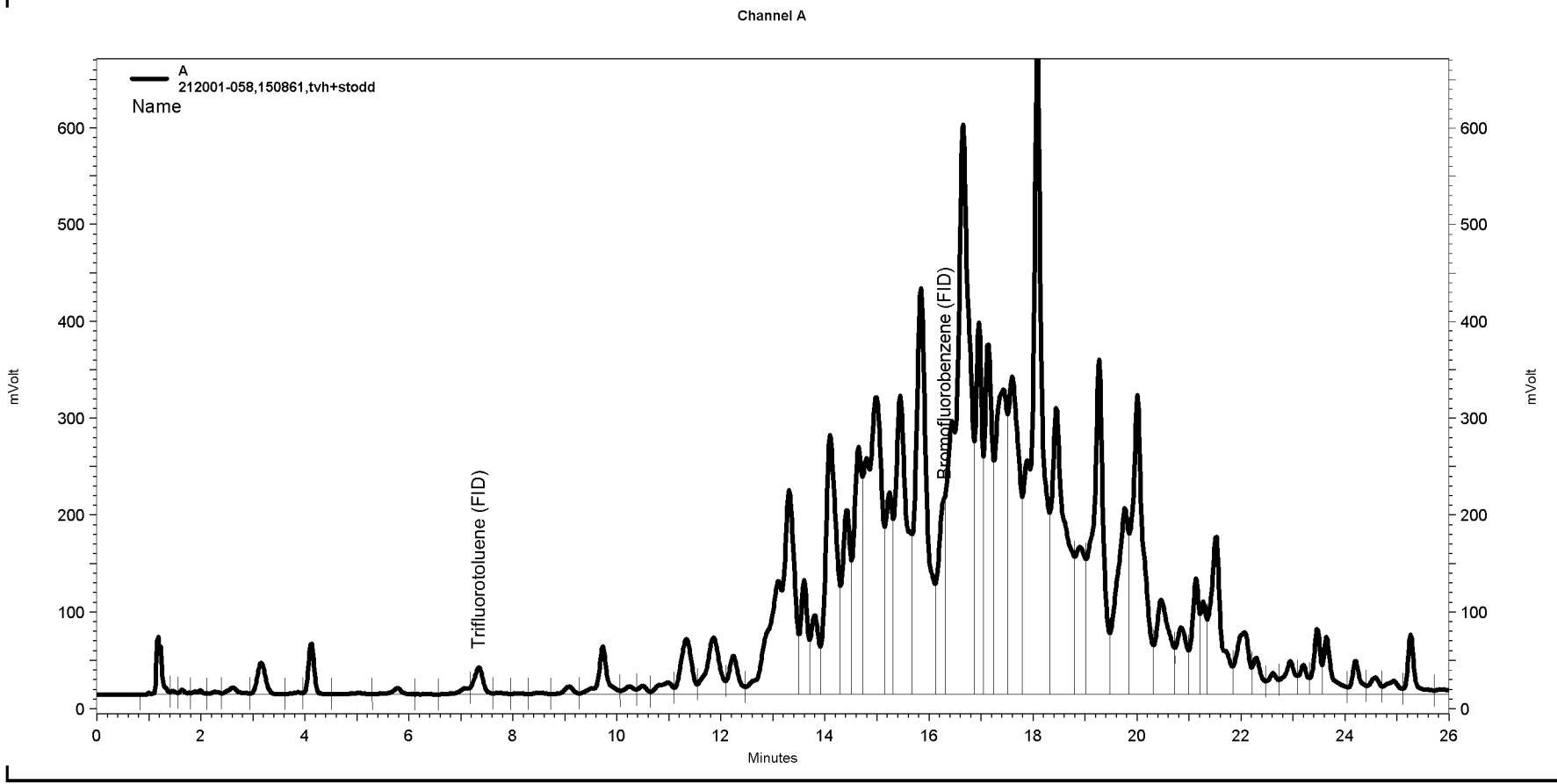
Software Version 3.1.7

Run Date: 5/11/2009 5:52:20 PM

Analysis Date: 5/12/2009 11:11:55 AM

Sample Amount: 5 Multiplier: 5

Vial & pH or Core ID: az.5



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

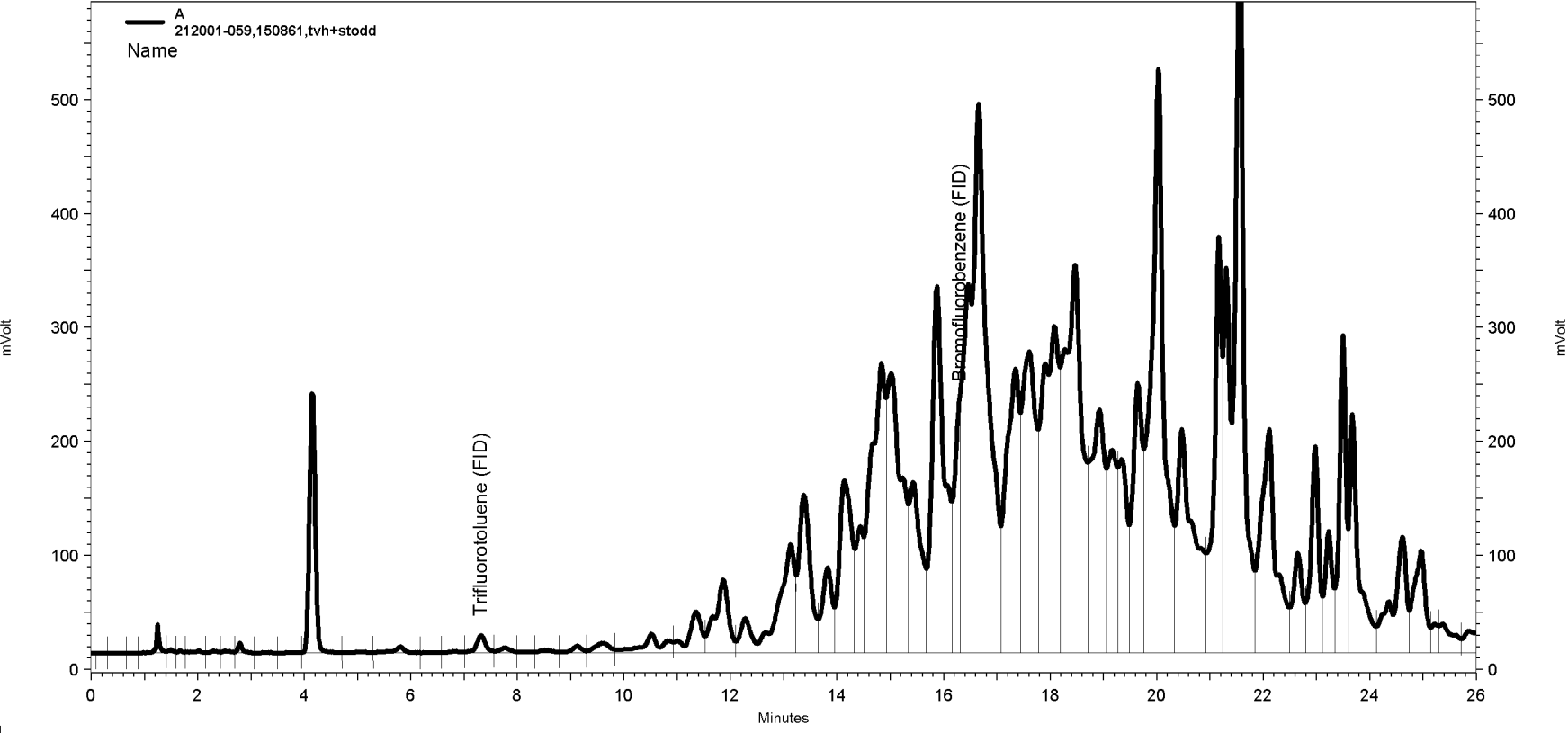
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Manual Integration Fixes
=====

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_014

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0.584	26.017	0
Yes	Split Peak	7.175	0	0
Yes	Split Peak	16.322	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\131.seq
Sample Name: 212001-059,150861,tvh+stodd
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_033
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\TVH\txe\MTBEsingle128.met

Software Version 3.1.7
Run Date: 5/12/2009 5:46:21 AM
Analysis Date: 5/12/2009 8:57:29 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: at.3



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

=====
Manual Integration Fixes
=====

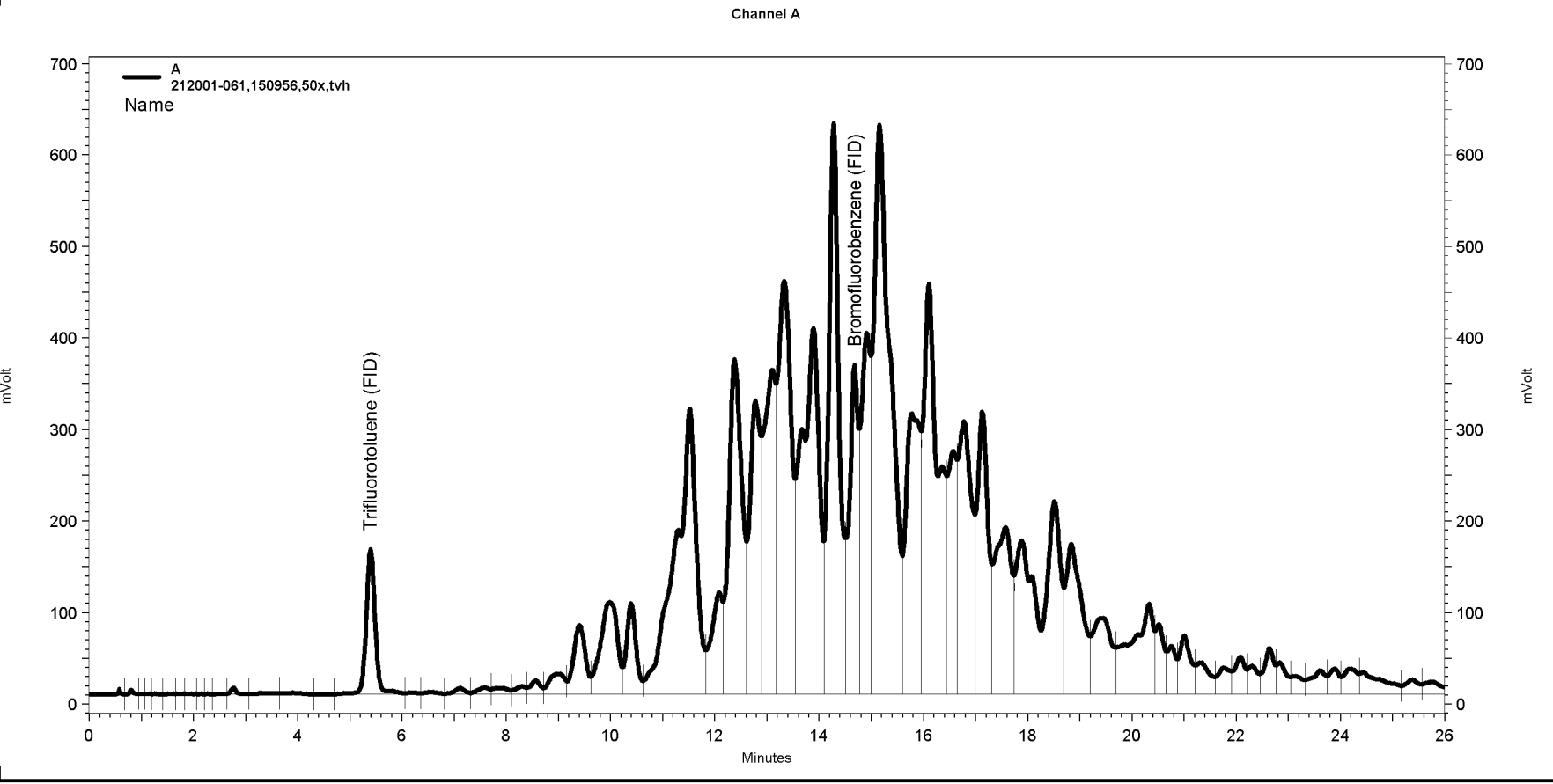
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\131_033

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	16.321	0	26.017
Yes	Split Peak	0	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequencel133.seq
Sample Name: 212001-061,150956,50x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\133_007
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\vhbtxe119.met

Software Version 3.1.7

Run Date: 5/13/2009 12:32:57 PM
Analysis Date: 5/13/2009 1:22:26 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: F3
HS>1ml



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

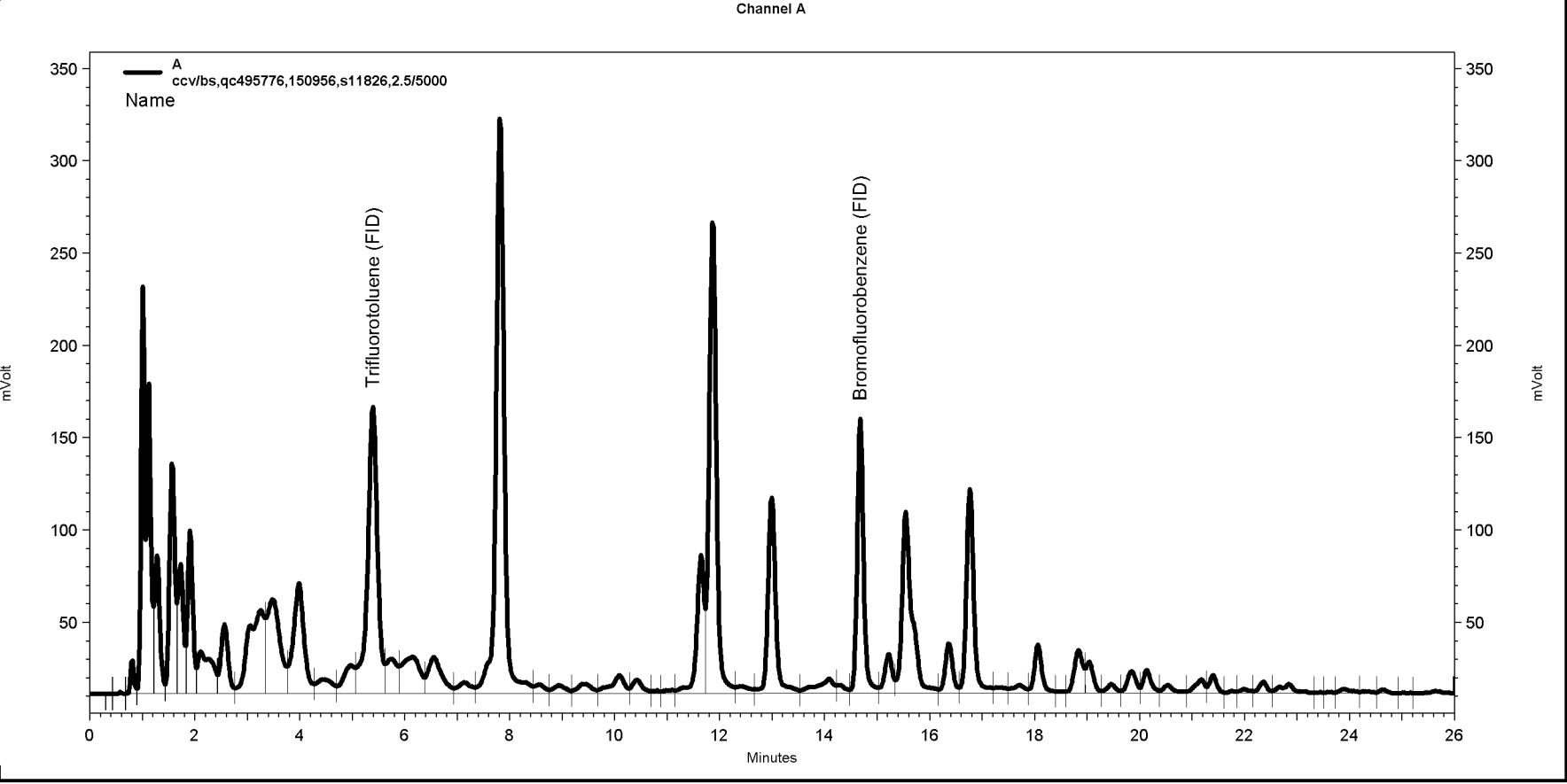
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\133_007

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0.088	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\133.seq
Sample Name: ccv/bs,qc495776,150956,s11826,2.5/5000
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\133_002
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lms2k3l\vh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lvhbtxe119.met

Software Version 3.1.7
Run Date: 5/13/2009 9:31:57 AM
Analysis Date: 5/13/2009 1:21:49 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: (Data Description)



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

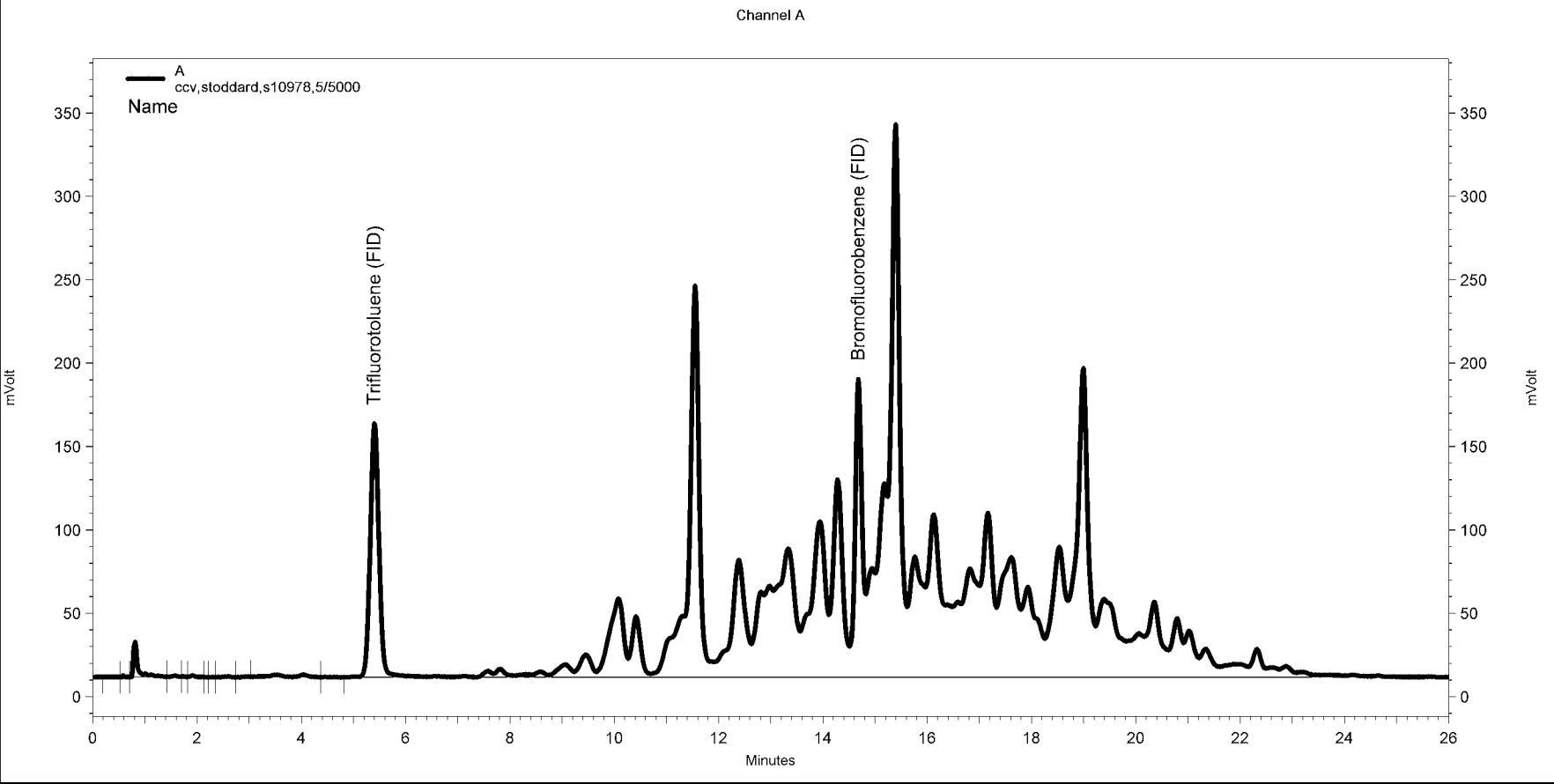
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\133_002

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\133.seq
Sample Name: ccv_stoddard,s10978,5/5000
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\133_003
Instrument: GC07 Vial: N/A Operator: lms2k3\vh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\vhbtxe119.met

Software Version 3.1.7
Run Date: 5/13/2009 10:08:04 AM
Analysis Date: 5/13/2009 10:36:47 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: (Data Description)



-----< General Method Parameters ----->-----
-----< A ----->-----
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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: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.100491133_003_2792.tmp

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

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-1@5FT	Batch#:	150840
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-001	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	0.92
Stoddard Solvent C7-C12	ND	0.92

Surrogate	%REC	Limits
Trifluorotoluene (FID)	73	54-152
Bromofluorobenzene (FID)	76	50-152

Field ID:	SB-1@8FT	Batch#:	150840
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-002	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	0.96
Stoddard Solvent C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	54-152
Bromofluorobenzene (FID)	110	50-152

Field ID:	SB-1@11FT	Batch#:	150840
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-003	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	0.93
Stoddard Solvent C7-C12	ND	0.93

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	54-152
Bromofluorobenzene (FID)	114	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-1@15FT Batch#: 150840
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-004 Analyzed: 05/09/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	15 Y	1.0
Stoddard Solvent C7-C12	12	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	54-152
Bromofluorobenzene (FID)	354 *	50-152

Field ID: SB-1@18FT Batch#: 150840
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-005 Analyzed: 05/10/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	30 Y	0.98
Stoddard Solvent C7-C12	23	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	83	54-152
Bromofluorobenzene (FID)	339 *	50-152

Field ID: SB-2@13FT Batch#: 150842
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-006 Analyzed: 05/09/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	54-152
Bromofluorobenzene (FID)	104	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-4@12FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-007	Analyzed:	05/13/09
Diln Fac:	100.0		

Analyte	Result	RL
Gasoline C7-C12	2,500 Y	100
Stoddard Solvent C7-C12	2,100	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	74	54-152
Bromofluorobenzene (FID)	1074 *	50-152

Field ID:	SB-4@14FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-008	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	1,400 Y	50
Stoddard Solvent C7-C12	1,200	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	54-152
Bromofluorobenzene (FID)	1288 *	50-152

Field ID:	SB-4@16FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-009	Analyzed:	05/13/09
Diln Fac:	5.000		

Analyte	Result	RL
Gasoline C7-C12	31 Y	5.0
Stoddard Solvent C7-C12	26 Y	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	81	54-152
Bromofluorobenzene (FID)	269 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-5@12FT Batch#: 150895
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-010 Analyzed: 05/13/09
 Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	870 Y	50
Stoddard Solvent C7-C12	740	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	71	54-152
Bromofluorobenzene (FID)	888 *	50-152

Field ID: SB-7@8FT Batch#: 150862
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-011 Analyzed: 05/11/09
 Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	830 Y	50
Stoddard Solvent C7-C12	670	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	54-152
Bromofluorobenzene (FID)	254 *	50-152

Field ID: SB-7@11FT Batch#: 150862
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-012 Analyzed: 05/11/09
 Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	520 Y	25
Stoddard Solvent C7-C12	420	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	54-152
Bromofluorobenzene (FID)	313 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-7@13FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-013	Analyzed:	05/11/09
Diln Fac:	100.0		

Analyte	Result	RL
Gasoline C7-C12	2,700 Y	100
Stoddard Solvent C7-C12	2,200	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	54-152
Bromofluorobenzene (FID)	382 *	50-152

Field ID:	SB-8@8FT	Batch#:	150841
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-014	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	25 Y	1.0
Stoddard Solvent C7-C12	18	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	82	54-152
Bromofluorobenzene (FID)	1226 *	50-152

Field ID:	SB-8@11FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-015	Analyzed:	05/11/09
Diln Fac:	25.00		

Analyte	Result	RL
Gasoline C7-C12	980 Y	25
Stoddard Solvent C7-C12	790	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	54-152
Bromofluorobenzene (FID)	525 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-8@13FT Batch#: 150862
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-016 Analyzed: 05/11/09
 Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	480 Y	25
Stoddard Solvent C7-C12	390	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	54-152
Bromofluorobenzene (FID)	336 *	50-152

Field ID: SB-9@5FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-017 Analyzed: 05/11/09
 Diln Fac: 100.0

Analyte	Result	RL
Gasoline C7-C12	2,400 Y	100
Stoddard Solvent C7-C12	1,900	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	54-152
Bromofluorobenzene (FID)	340 *	50-152

Field ID: SB-9@8FT Lab ID: 212001-018
 Type: SAMPLE Sampled: 05/04/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Gasoline C7-C12	53 Y	50	50.00	150862	05/11/09
Stoddard Solvent C7-C12	610	1.0	1.000	150840	05/09/09

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Trifluorotoluene (FID)	104	54-152	50.00	150862	05/11/09
Bromofluorobenzene (FID)	116	50-152	50.00	150862	05/11/09

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-9@11FT Batch#: 150895
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-019 Analyzed: 05/13/09
 Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	1,900 Y	50
Stoddard Solvent C7-C12	1,600	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	79	54-152
Bromofluorobenzene (FID)	2057 *	50-152

Field ID: SB-9@13FT Batch#: 150895
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-020 Analyzed: 05/13/09
 Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	660 Y	25
Stoddard Solvent C7-C12	570	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	73	54-152
Bromofluorobenzene (FID)	1571 *	50-152

Field ID: SB-10@5FT Batch#: 150840
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-021 Analyzed: 05/09/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.91
Stoddard Solvent C7-C12	ND	0.91

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	54-152
Bromofluorobenzene (FID)	120	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-10@8FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-022 Analyzed: 05/11/09
 Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	46 Y	25
Stoddard Solvent C7-C12	37	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	54-152
Bromofluorobenzene (FID)	117	50-152

Field ID: SB-10@11FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-023 Analyzed: 05/12/09
 Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	1,600 Y	50
Stoddard Solvent C7-C12	1,300	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	54-152
Bromofluorobenzene (FID)	348 *	50-152

Field ID: SB-10@12.5FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-024 Analyzed: 05/12/09
 Diln Fac: 50.00

Analyte	Result	RL
Gasoline C7-C12	2,400 Y	50
Stoddard Solvent C7-C12	2,000	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	54-152
Bromofluorobenzene (FID)	454 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-11@5FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-025 Analyzed: 05/12/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.95
Stoddard Solvent C7-C12	ND	0.95

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	54-152
Bromofluorobenzene (FID)	109	50-152

Field ID: SB-11@8FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-026 Analyzed: 05/12/09
 Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	670 Y	25
Stoddard Solvent C7-C12	540	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	54-152
Bromofluorobenzene (FID)	348 *	50-152

Field ID: SB-11@10FT Batch#: 150862
 Type: SAMPLE Sampled: 05/04/09
 Lab ID: 212001-027 Analyzed: 05/11/09
 Diln Fac: 100.0

Analyte	Result	RL
Gasoline C7-C12	1,800 Y	100
Stoddard Solvent C7-C12	1,400	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	54-152
Bromofluorobenzene (FID)	264 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-11@12FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-028	Analyzed:	05/11/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	730 Y	50
Stoddard Solvent C7-C12	590	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	54-152
Bromofluorobenzene (FID)	250 *	50-152

Field ID:	SB-12@5FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-029	Analyzed:	05/11/09
Diln Fac:	10.00		

Analyte	Result	RL
Gasoline C7-C12	350 Y	10
Stoddard Solvent C7-C12	280	10

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	54-152
Bromofluorobenzene (FID)	384 *	50-152

Field ID:	SB-12@8FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-030	Analyzed:	05/12/09
Diln Fac:	25.00		

Analyte	Result	RL
Gasoline C7-C12	530 Y	25
Stoddard Solvent C7-C12	430	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	54-152
Bromofluorobenzene (FID)	290 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-12@11FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-031	Analyzed:	05/12/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	1,000 Y	50
Stoddard Solvent C7-C12	820	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	54-152
Bromofluorobenzene (FID)	281 *	50-152

Field ID:	SB-12@13FT	Batch#:	150862
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-032	Analyzed:	05/12/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	16 Y	0.91
Stoddard Solvent C7-C12	13	0.91

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	54-152
Bromofluorobenzene (FID)	220 *	50-152

Field ID:	SB-13@7FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-033	Analyzed:	05/12/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	1,800 Y	50
Stoddard Solvent C7-C12	1,500	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	54-152
Bromofluorobenzene (FID)	1520 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-13@11FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-034	Analyzed:	05/13/09
Diln Fac:	5.000		

Analyte	Result	RL
Gasoline C7-C12	9.4 Y	5.0
Stoddard Solvent C7-C12	8.0	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	54-152
Bromofluorobenzene (FID)	180 *	50-152

Field ID:	SB-13@13FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-035	Analyzed:	05/12/09
Diln Fac:	25.00		

Analyte	Result	RL
Gasoline C7-C12	140 Y	25
Stoddard Solvent C7-C12	120	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	75	54-152
Bromofluorobenzene (FID)	299 *	50-152

Field ID:	SB-13@16FT	Batch#:	150841
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-036	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	5.3 Y	0.91
Stoddard Solvent C7-C12	3.8	0.91

Surrogate	%REC	Limits
Trifluorotoluene (FID)	84	54-152
Bromofluorobenzene (FID)	320 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-14@5FT	Batch#:	150842
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-037	Analyzed:	05/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.1
Stoddard Solvent C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	42 *	54-152
Bromofluorobenzene (FID)	51	50-152

Field ID:	SB-14@8FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-038	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	100 Y	50
Stoddard Solvent C7-C12	86	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	75	54-152
Bromofluorobenzene (FID)	185 *	50-152

Field ID:	SB-14@11FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-039	Analyzed:	05/12/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	410 Y	50
Stoddard Solvent C7-C12	350	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	78	54-152
Bromofluorobenzene (FID)	351 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-15@5FT Batch#: 150895
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-040 Analyzed: 05/13/09
 Diln Fac: 500.0

Analyte	Result	RL
Gasoline C7-C12	7,700 Y	500
Stoddard Solvent C7-C12	6,600	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	67	54-152
Bromofluorobenzene (FID)	615 *	50-152

Field ID: SB-15@8FT Batch#: 150895
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-041 Analyzed: 05/13/09
 Diln Fac: 500.0

Analyte	Result	RL
Gasoline C7-C12	6,800 Y	500
Stoddard Solvent C7-C12	5,700	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	67	54-152
Bromofluorobenzene (FID)	486 *	50-152

Field ID: SB-15@11FT Batch#: 150895
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-042 Analyzed: 05/13/09
 Diln Fac: 500.0

Analyte	Result	RL
Gasoline C7-C12	4,000 Y	500
Stoddard Solvent C7-C12	3,400	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	72	54-152
Bromofluorobenzene (FID)	432 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-15@14FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-043	Analyzed:	05/13/09
Diln Fac:	5.000		

Analyte	Result	RL
Gasoline C7-C12	29 Y	5.0
Stoddard Solvent C7-C12	25 Y	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	78	54-152
Bromofluorobenzene (FID)	253 *	50-152

Field ID:	SB-16@5FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-044	Analyzed:	05/12/09
Diln Fac:	100.0		

Analyte	Result	RL
Gasoline C7-C12	2,100 Y	100
Stoddard Solvent C7-C12	1,800	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	74	54-152
Bromofluorobenzene (FID)	808 *	50-152

Field ID:	SB-16@8FT	Batch#:	150895
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-045	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	1,500 Y	50
Stoddard Solvent C7-C12	1,200	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	74	54-152
Bromofluorobenzene (FID)	1199 *	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID: SB-16@11FT Batch#: 150895
 Type: SAMPLE Sampled: 05/06/09
 Lab ID: 212001-046 Analyzed: 05/13/09
 Diln Fac: 500.0

Analyte	Result	RL
Gasoline C7-C12	19,000 Y	500
Stoddard Solvent C7-C12	16,000	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	71	54-152
Bromofluorobenzene (FID)	1183 *	50-152

Field ID: SB-16@14FT Batch#: 150895
 Type: SAMPLE Sampled: 05/06/09
 Lab ID: 212001-047 Analyzed: 05/12/09
 Diln Fac: 10.00

Analyte	Result	RL
Gasoline C7-C12	340 Y	10
Stoddard Solvent C7-C12	290	10

Surrogate	%REC	Limits
Trifluorotoluene (FID)	87	54-152
Bromofluorobenzene (FID)	1349 *	50-152

Type: BLANK Batch#: 150840
 Lab ID: QC495299 Analyzed: 05/09/09
 Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	54-152
Bromofluorobenzene (FID)	103	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Type:	BLANK	Batch#:	150841
Lab ID:	QC495303	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	70	54-152
Bromofluorobenzene (FID)	90	50-152

Type:	BLANK	Batch#:	150842
Lab ID:	QC495307	Analyzed:	05/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	54-152
Bromofluorobenzene (FID)	107	50-152

Type:	BLANK	Batch#:	150862
Lab ID:	QC495381	Analyzed:	05/11/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	54-152
Bromofluorobenzene (FID)	100	50-152

Type:	BLANK	Batch#:	150895
Lab ID:	QC495531	Analyzed:	05/12/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	73	54-152
Bromofluorobenzene (FID)	93	50-152

*= 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC495382	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150862
Units:	mg/Kg	Analyzed:	05/11/09

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	4.912	98	77-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	54-152
Bromofluorobenzene (FID)	111	50-152

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Field ID:	SB-7@11FT	Diln Fac:	50.00
MSS Lab ID:	212001-012	Batch#:	150862
Matrix:	Soil	Sampled:	05/05/09
Units:	mg/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Type: MS Lab ID: QC495474

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	522.0	500.0	1,214	138 *	31-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	54-152
Bromofluorobenzene (FID)	244 *	50-152

Type: MSD Lab ID: QC495475

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	500.0	1,137	123 *	31-120	7	34

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	54-152
Bromofluorobenzene (FID)	233 *	50-152

*= Value outside of QC limits; see narrative
 RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	150842
Basis:	as received	Analyzed:	05/09/09

Type: BS Lab ID: QC495510

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	15.00	14.15	94	77-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	54-152
Bromofluorobenzene (FID)	121	50-152

Type: BSD Lab ID: QC495511

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	15.00	13.88	93	77-120	2	21

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	54-152
Bromofluorobenzene (FID)	121	50-152

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	150840
Basis:	as received	Analyzed:	05/09/09

Type: BS Lab ID: QC495512

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	5.548	111	77-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	54-152
Bromofluorobenzene (FID)	102	50-152

Type: BSD Lab ID: QC495513

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	10.43	104	77-120	6	21

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	54-152
Bromofluorobenzene (FID)	126	50-152

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	150841
Basis:	as received	Analyzed:	05/09/09

Type: BS Lab ID: QC495514

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	5.231	105	77-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	54-152
Bromofluorobenzene (FID)	95	50-152

Type: BSD Lab ID: QC495515

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	8.666	87	77-120	19	21

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	54-152
Bromofluorobenzene (FID)	121	50-152

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC495532	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150895
Units:	mg/Kg	Analyzed:	05/12/09

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	4.463	89	77-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	54-152
Bromofluorobenzene (FID)	91	50-152

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8015B
Field ID:	SB-14@11FT	Diln Fac:	100.0
MSS Lab ID:	212001-039	Batch#:	150895
Matrix:	Soil	Sampled:	05/06/09
Units:	mg/Kg	Received:	05/07/09
Basis:	as received		

Type: MS Analyzed: 05/12/09
 Lab ID: QC495533

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	406.4	1,000	1,276	87	31-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	54-152
Bromofluorobenzene (FID)	306 *	50-152

Type: MSD Analyzed: 05/13/09
 Lab ID: QC495534

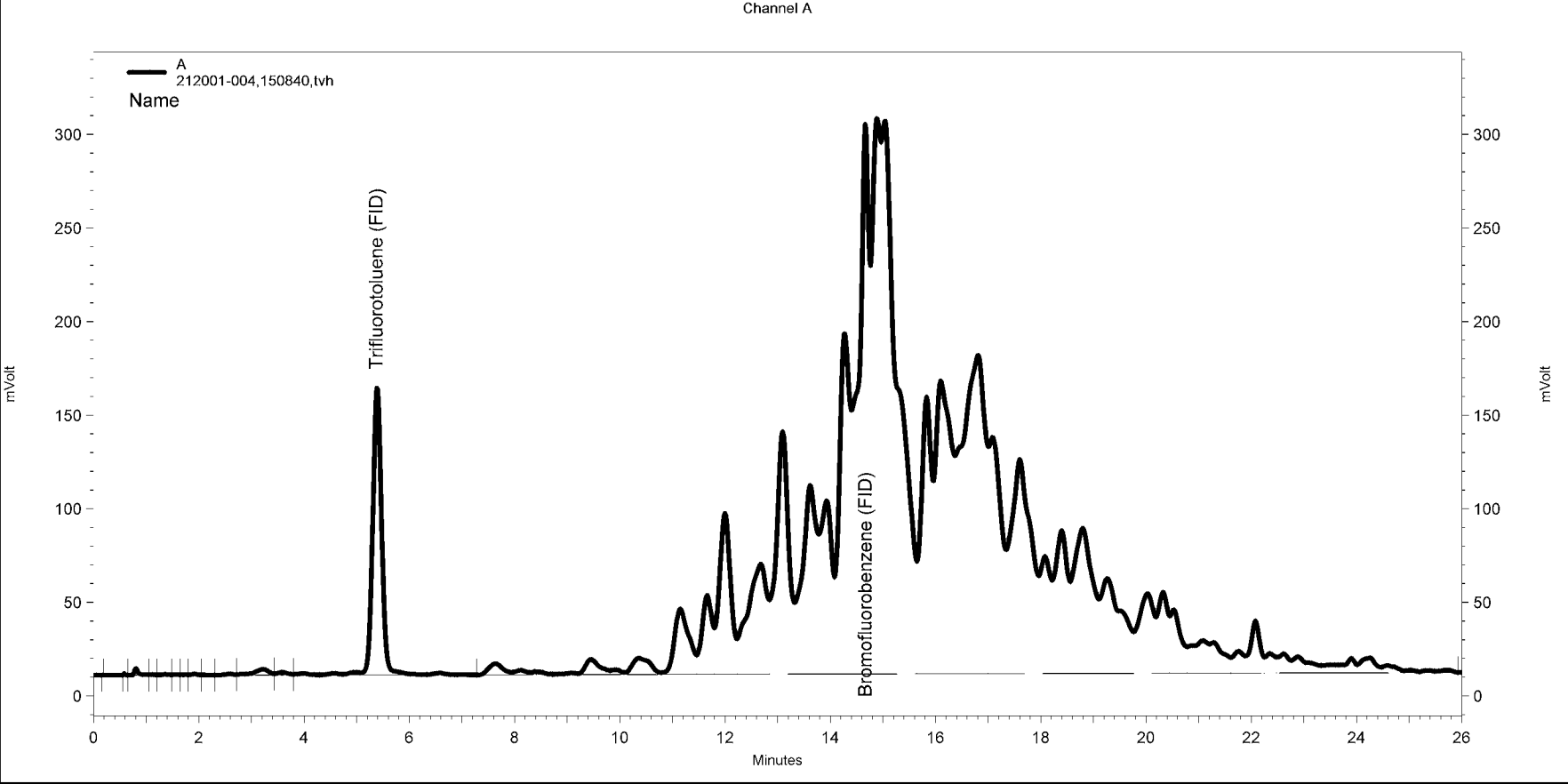
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,218	81	31-120	5	34

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	54-152
Bromofluorobenzene (FID)	286 *	50-152

*= Value outside of QC limits; see narrative
 RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\129.seq
Sample Name: 212001-004,150840,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\129_025
Instrument: GC07 Vial: N/A Operator: lms2k3\lvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lvhbtxe119.met

Software Version 3.1.7
Run Date: 5/9/2009 10:01:19 PM
Analysis Date: 5/9/2009 10:30:01 PM
Sample Amount: 0.98 Multiplier: 0.98
Vial & pH or Core ID: a



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Integration Events

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Yes	Threshold	0	0	50

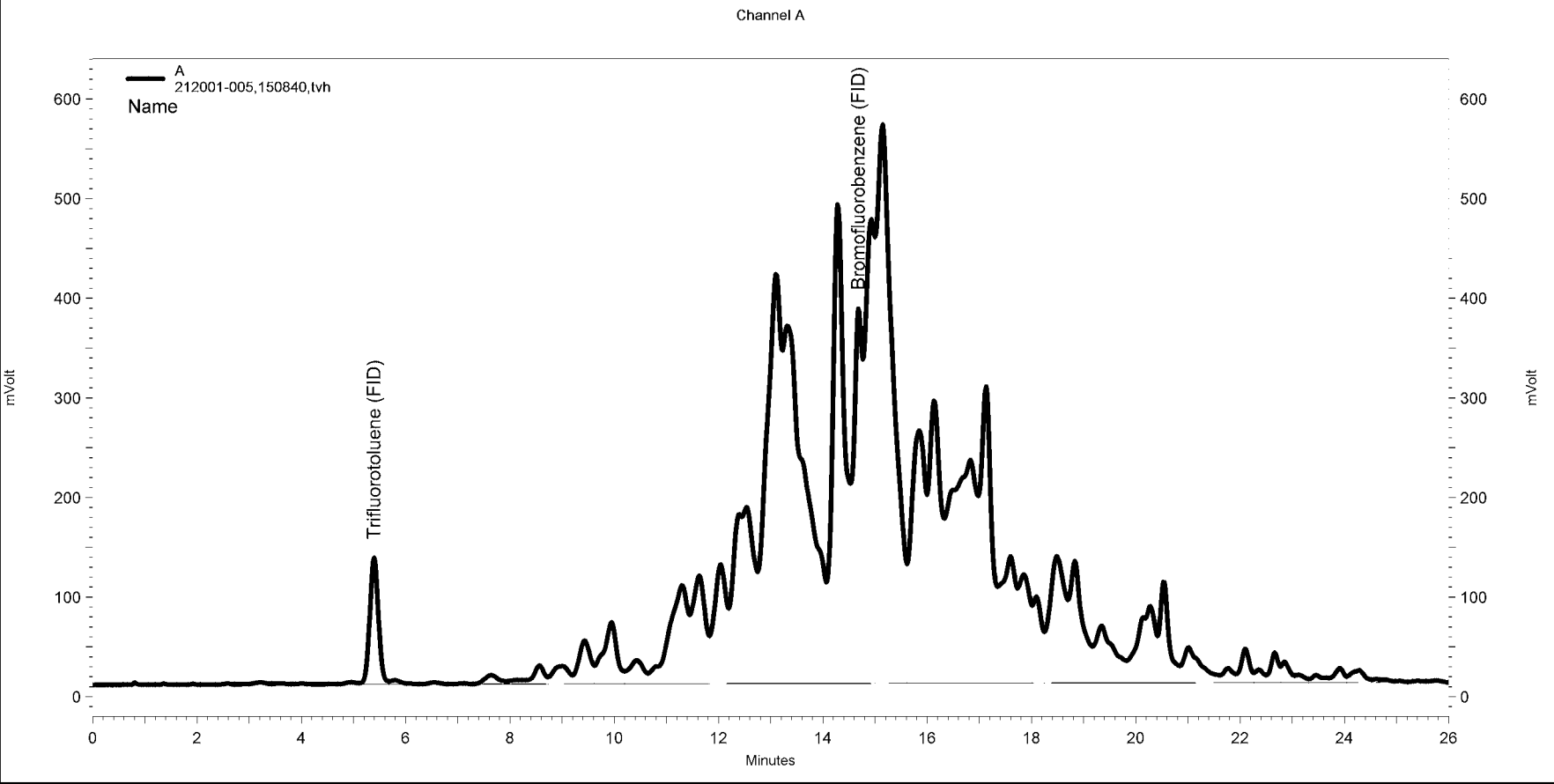
Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.100491129_025_27477.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sample Name: 212001-005,150840,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\129_040
Instrument: GC07 Vial: N/A Operator: lms2k3\vh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\vhbtxe119.met

Software Version 3.1.7
Run Date: 5/10/2009 6:58:50 AM
Analysis Date: 5/10/2009 7:27:34 AM
Sample Amount: 1.02 Multiplier: 1.02
Vial & pH or Core ID: a



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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: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.100491129_040_2756.lmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-007,150895,100x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_053

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

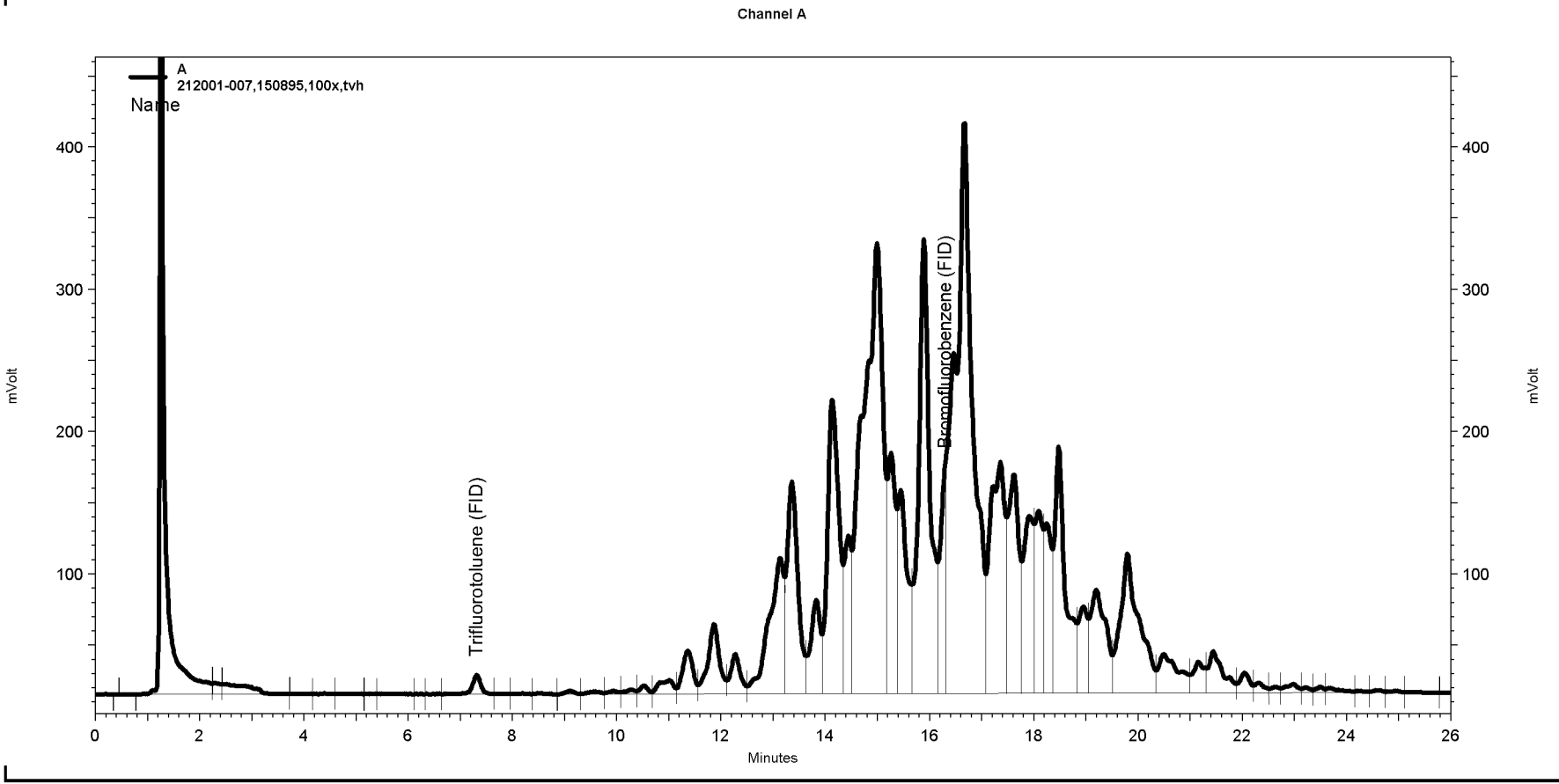
Software Version 3.1.7

Run Date: 5/13/2009 6:24:59 PM

Analysis Date: 5/14/2009 9:27:51 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



No items selected for this section

No items selected for this section

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

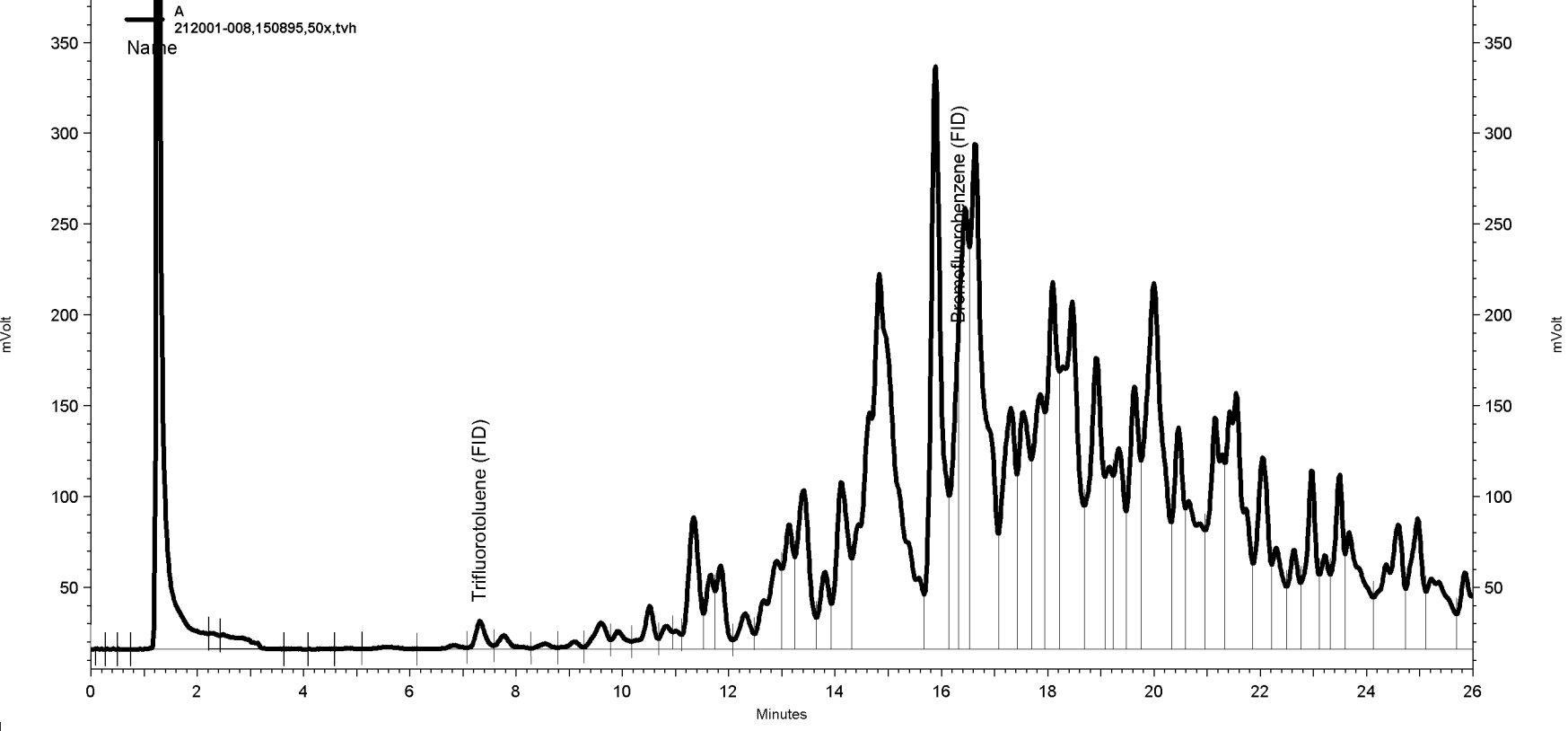
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_053

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.316	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq
Sample Name: 212001-008,150895,50x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_037
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

Software Version 3.1.7
Run Date: 5/13/2009 8:24:37 AM
Analysis Date: 5/13/2009 9:11:46 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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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\GC19\Data\132_037

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0	26.017	0
Yes	Split Peak	16.325	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-009,150895,5x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_049

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

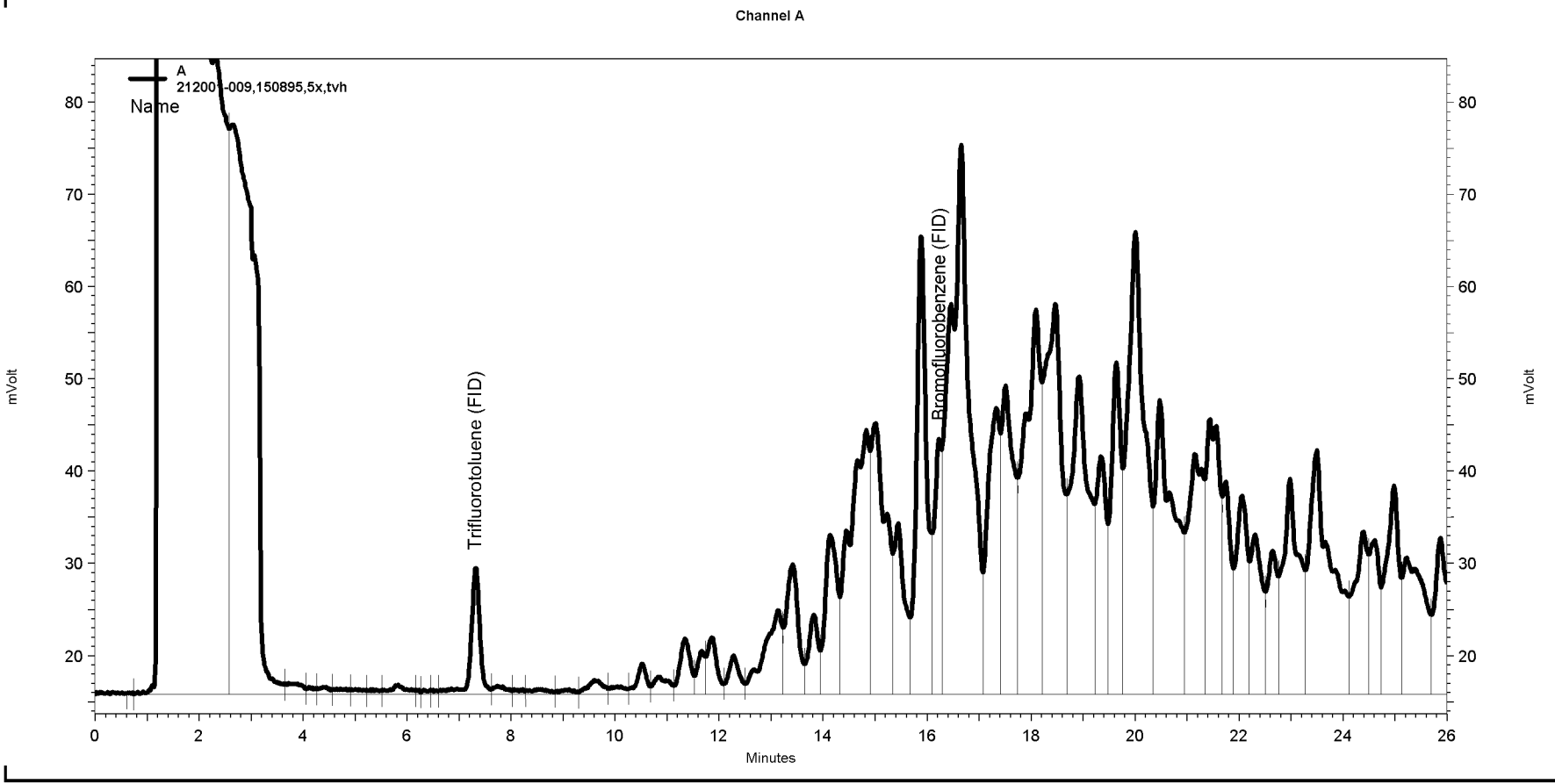
Software Version 3.1.7

Run Date: 5/13/2009 3:55:03 PM

Analysis Date: 5/14/2009 9:20:54 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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No items selected for this section

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\GC19\Data\132_049

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	16.306	0	26.017
Yes	Split Peak	0	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-010,150895,50x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_050

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\TVH\BTEX\MTBE\single128.met

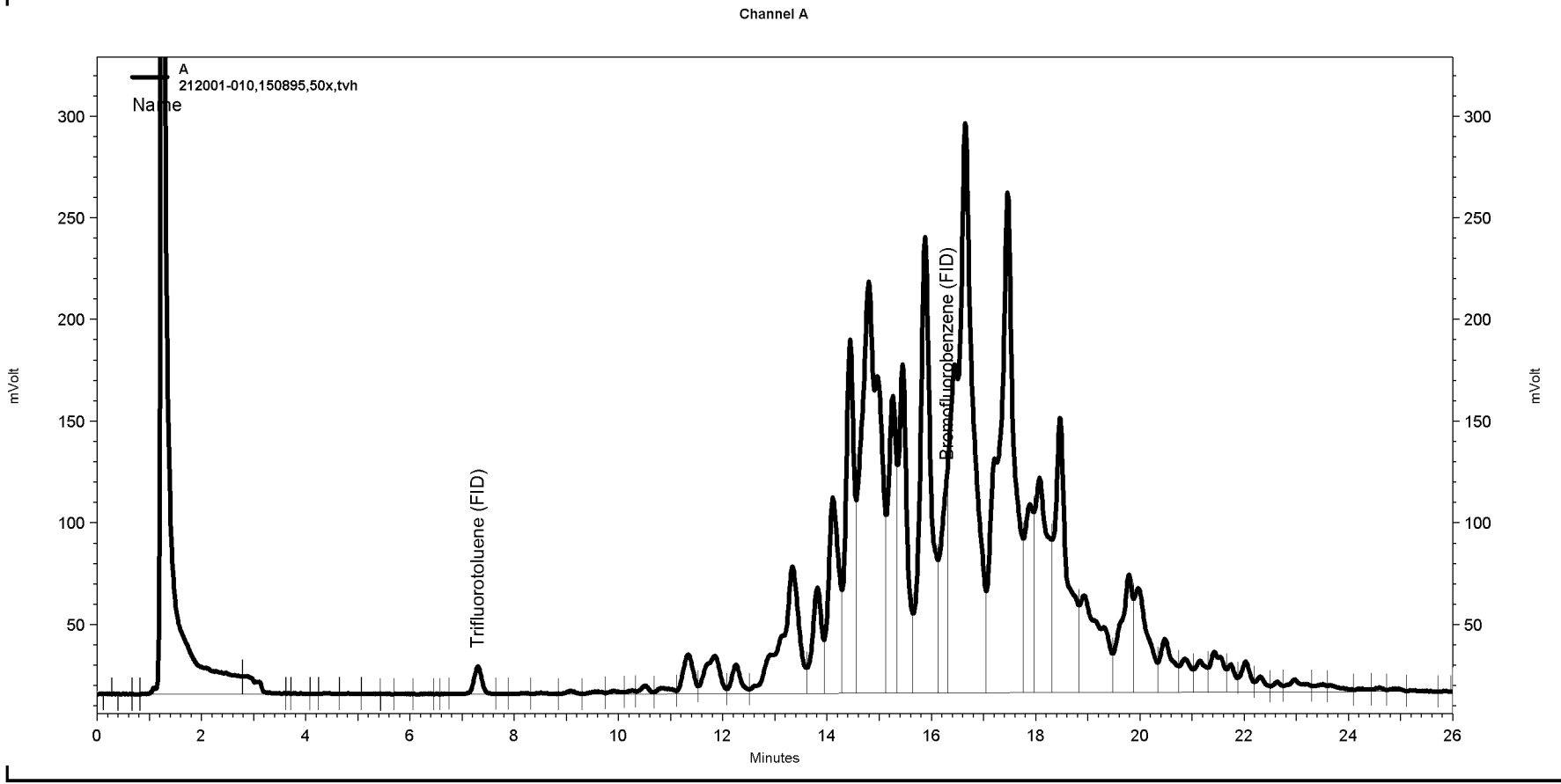
Software Version 3.1.7

Run Date: 5/13/2009 4:32:35 PM

Analysis Date: 5/14/2009 9:24:26 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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

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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

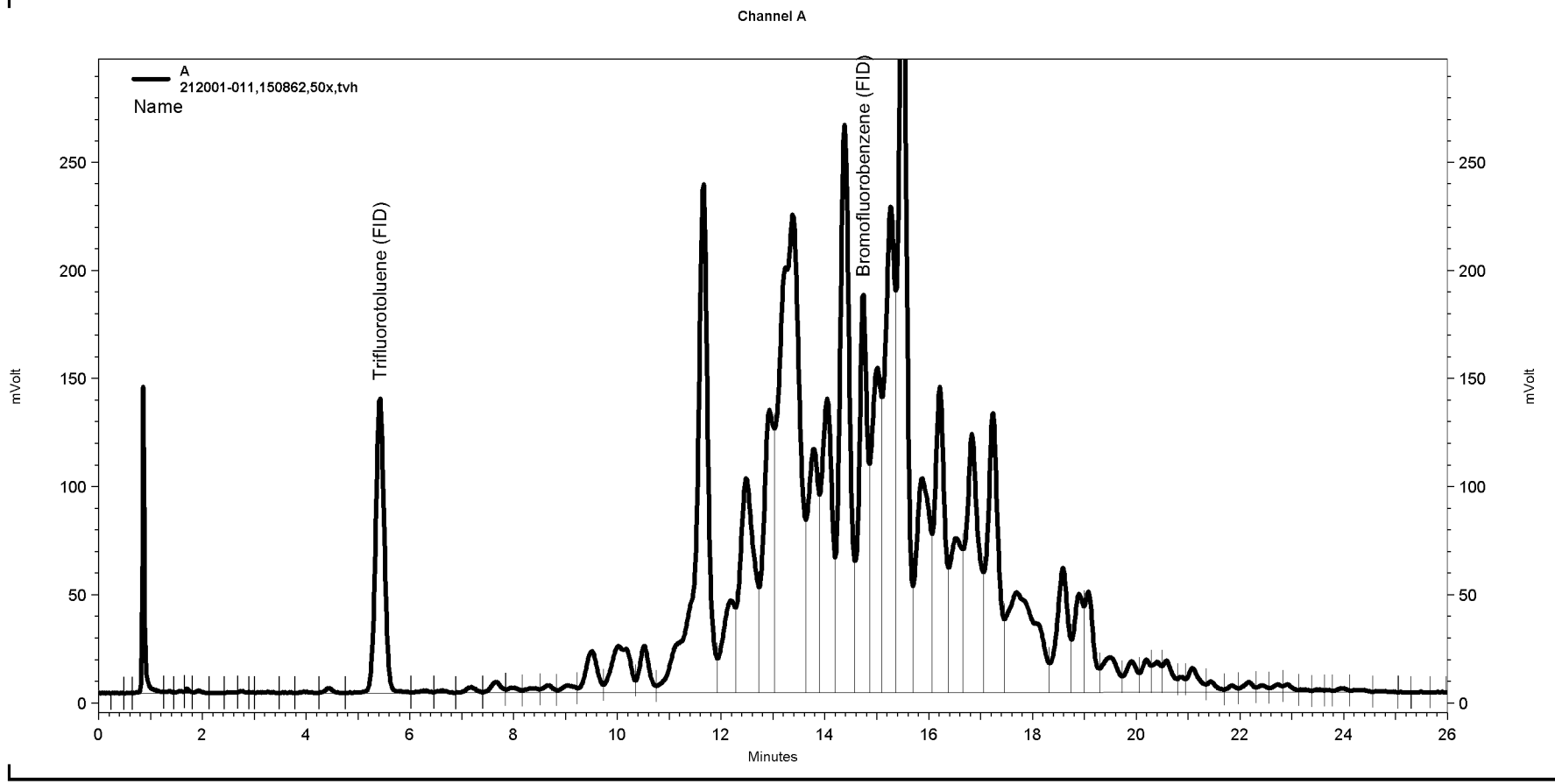
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Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_050

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.313	0	0

Sequence File: \\lms\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-011_150862.50x.tvh
Data File: \\lms\gdrive\ezchrom\Projects\GC05\Data\131_007
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (jims2k3\th2)
Method Name: \\lms\gdrive\ezchrom\Projects\GC05\Method\tv\hbx\127.met

Software Version 3.1.7
Run Date: 5/11/2009 1:12:15 PM
Analysis Date: 5/13/2009 9:49:48 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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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

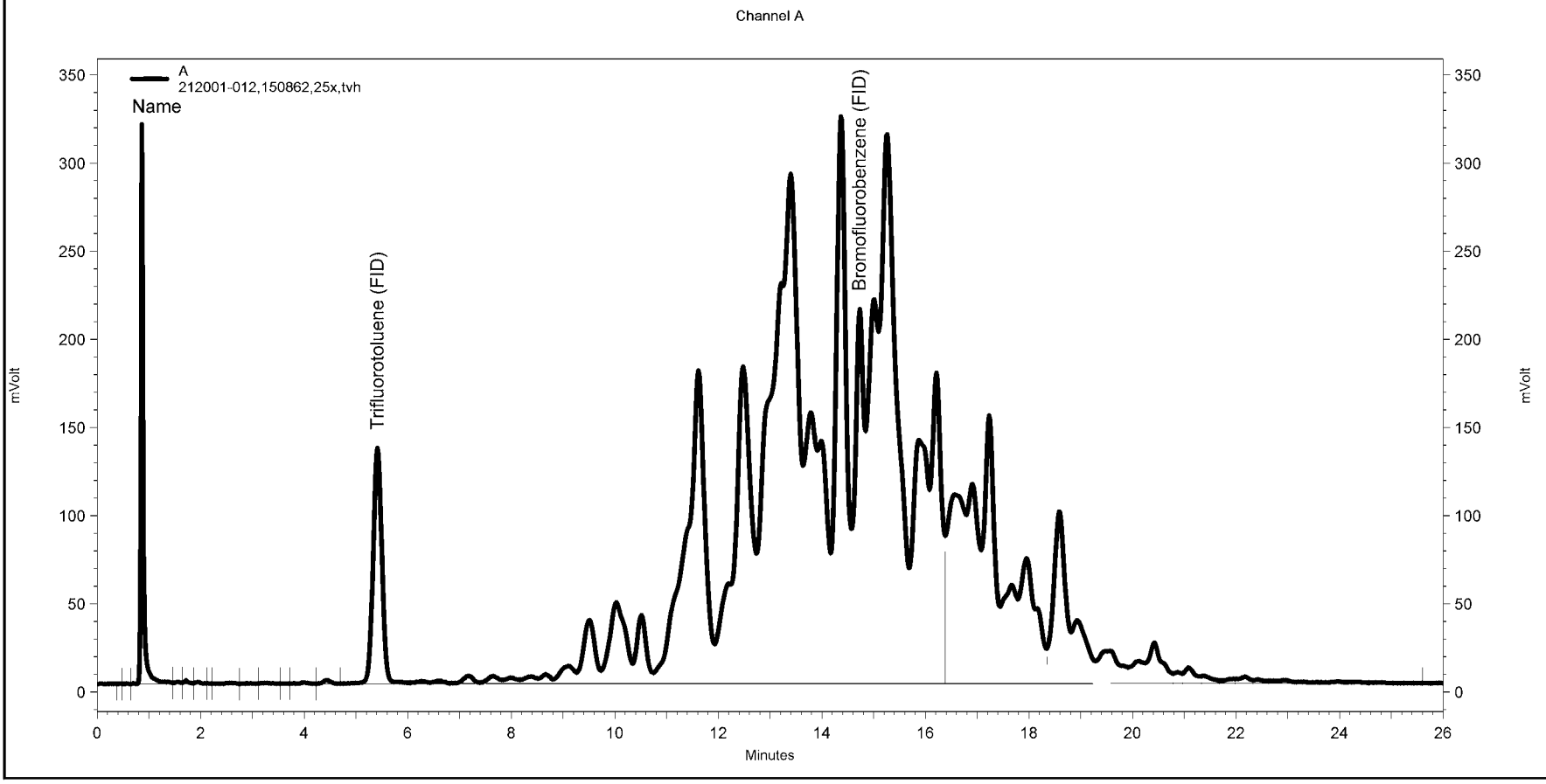
Manual Integration Fixes

Data File: \\lms\gdrive\ezchrom\Projects\GC05\Data\131_007

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

Sequence File: \\Lims\gdrive\lezhchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-012,150862,25x,tvh
Data File: \\Lims\gdrive\lezhchrom\Projects\GC05\Data\131_008
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\lezhchrom\Projects\GC05\Method\vhbtxe127.met

Software Version 3.1.7
Run Date: 5/11/2009 2:03:26 PM
Analysis Date: 5/11/2009 2:32:08 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

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

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Manual Integration Fixes
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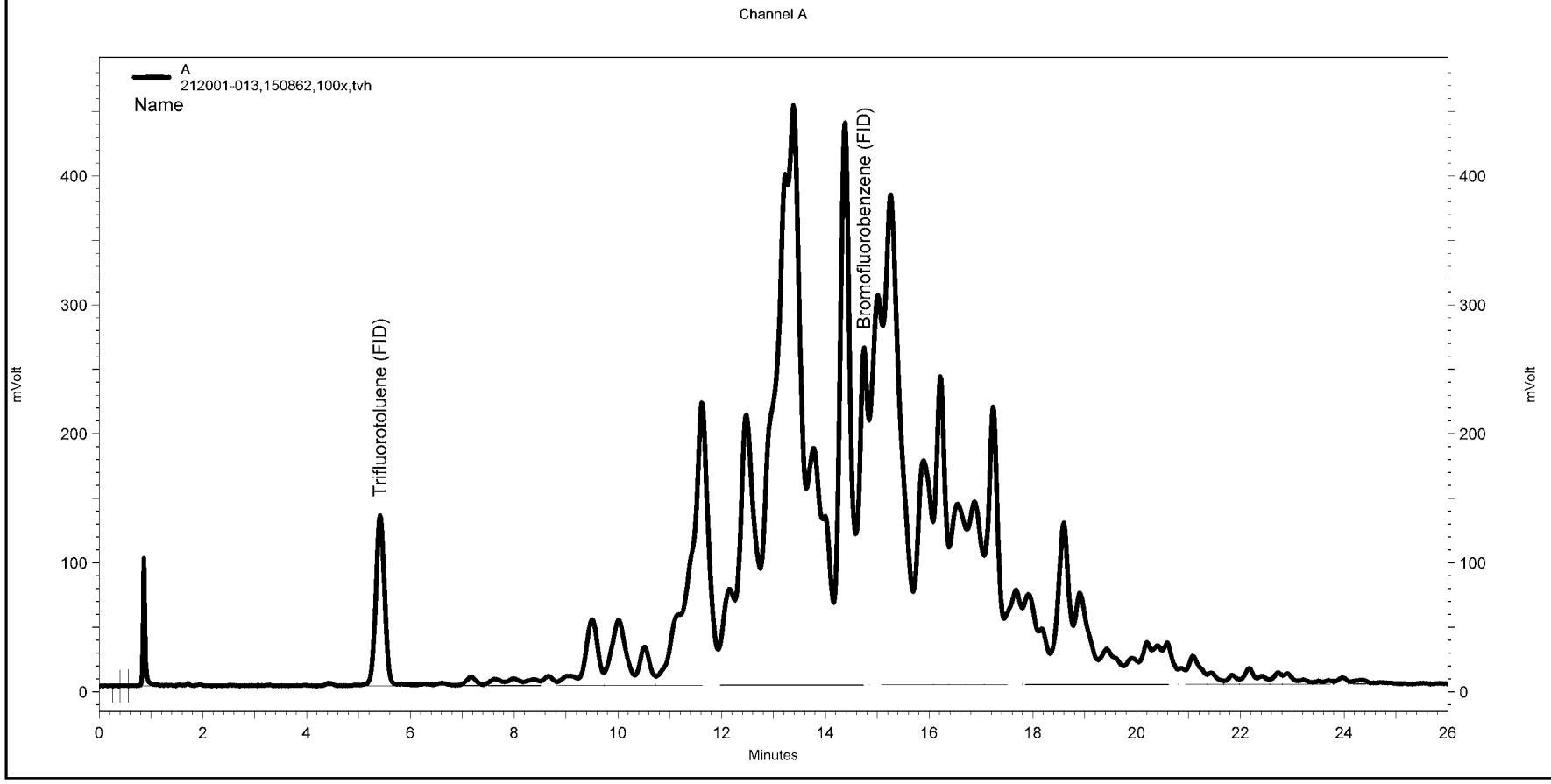
Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_008_5F58.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-013,150862,100x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_009
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\vhbtxe127.met

Software Version 3.1.7

Run Date: 5/11/2009 2:38:58 PM
Analysis Date: 5/11/2009 3:07:41 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

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

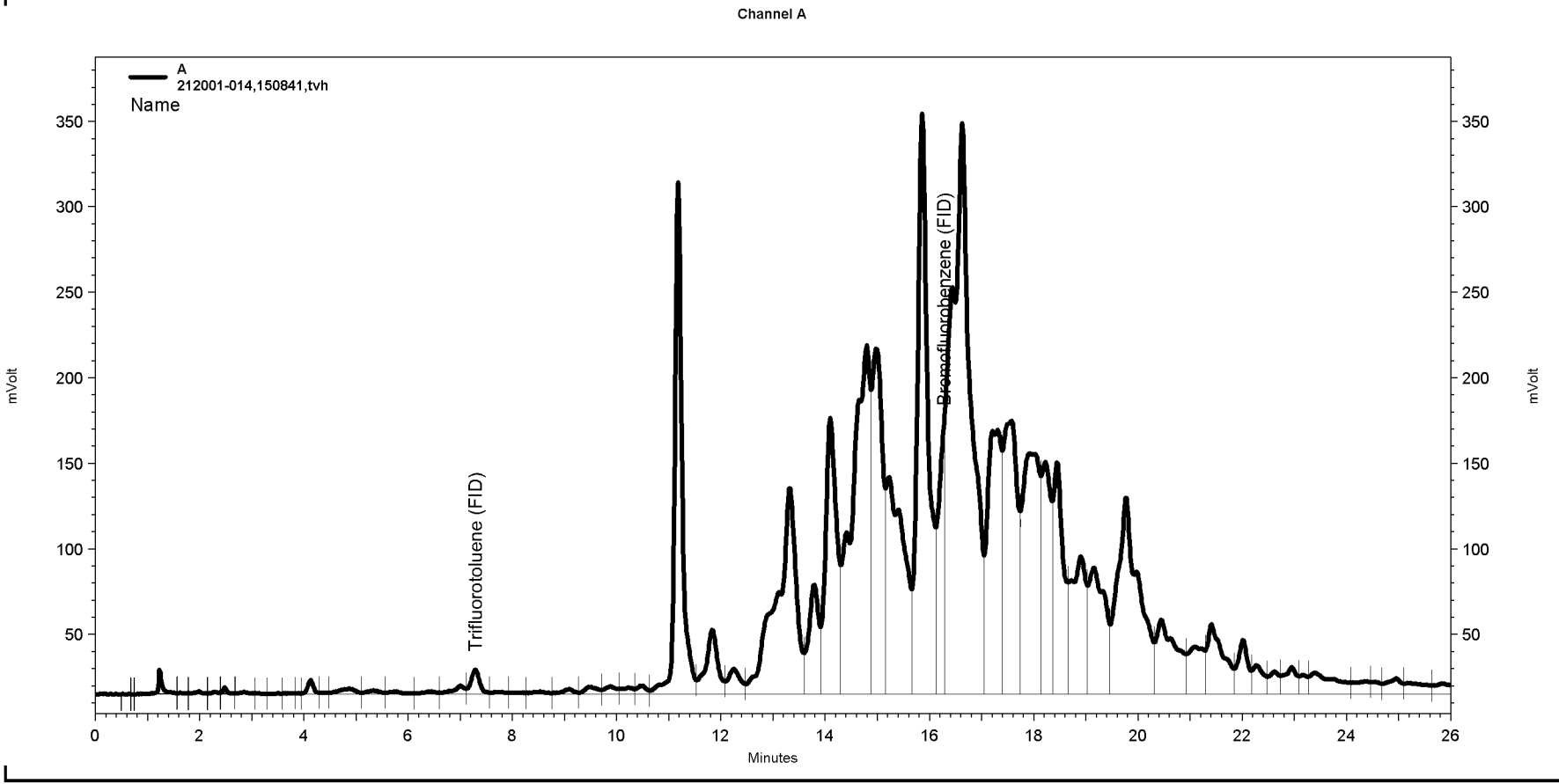
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_009_5F59.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\129.seq
Sample Name: 212001-014,150841.tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\129_013
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

Software Version 3.1.7
Run Date: 5/9/2009 9:56:00 PM
Analysis Date: 5/12/2009 9:52:06 AM
Sample Amount: 0.98 Multiplier: 0.98
Vial & pH or Core ID: a



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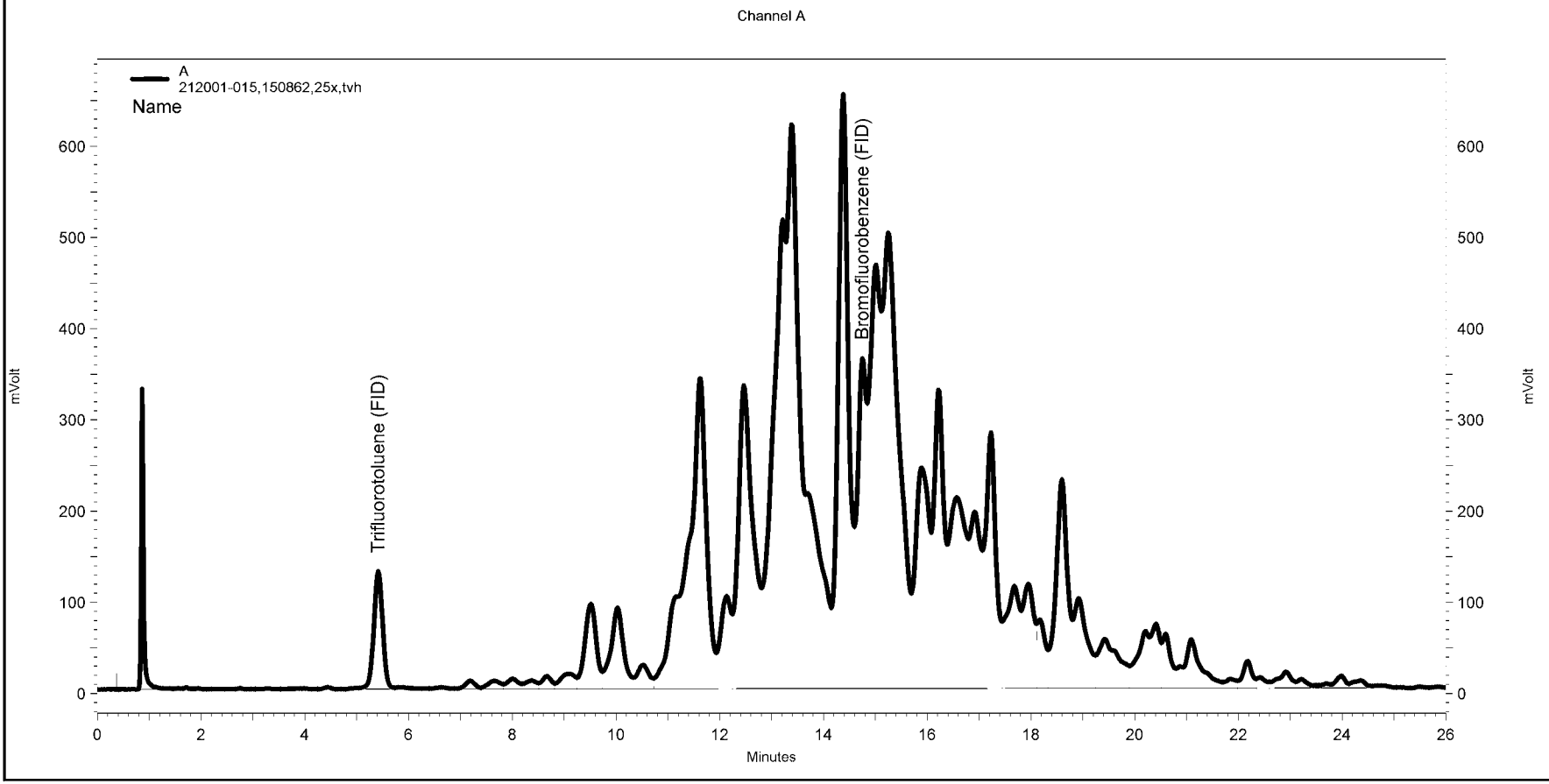
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

=====
Manual Integration Fixes
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Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\129_013				
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	16.301	0	26.017
Yes	Split Peak	16.301	0	0

Sequence File: \\lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-015,150862,25x,tvh
Data File: \\lims\gdrive\ezchrom\Projects\GC05\Data\131_010
Instrument: GC05 Vial: N/A Operator: lims2k3tvh3
Method Name: \\lims\gdrive\ezchrom\Projects\GC05\Method\tr\hbx127.met

Software Version 3.1.7
Run Date: 5/11/2009 3:14:36 PM
Analysis Date: 5/11/2009 3:43:19 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

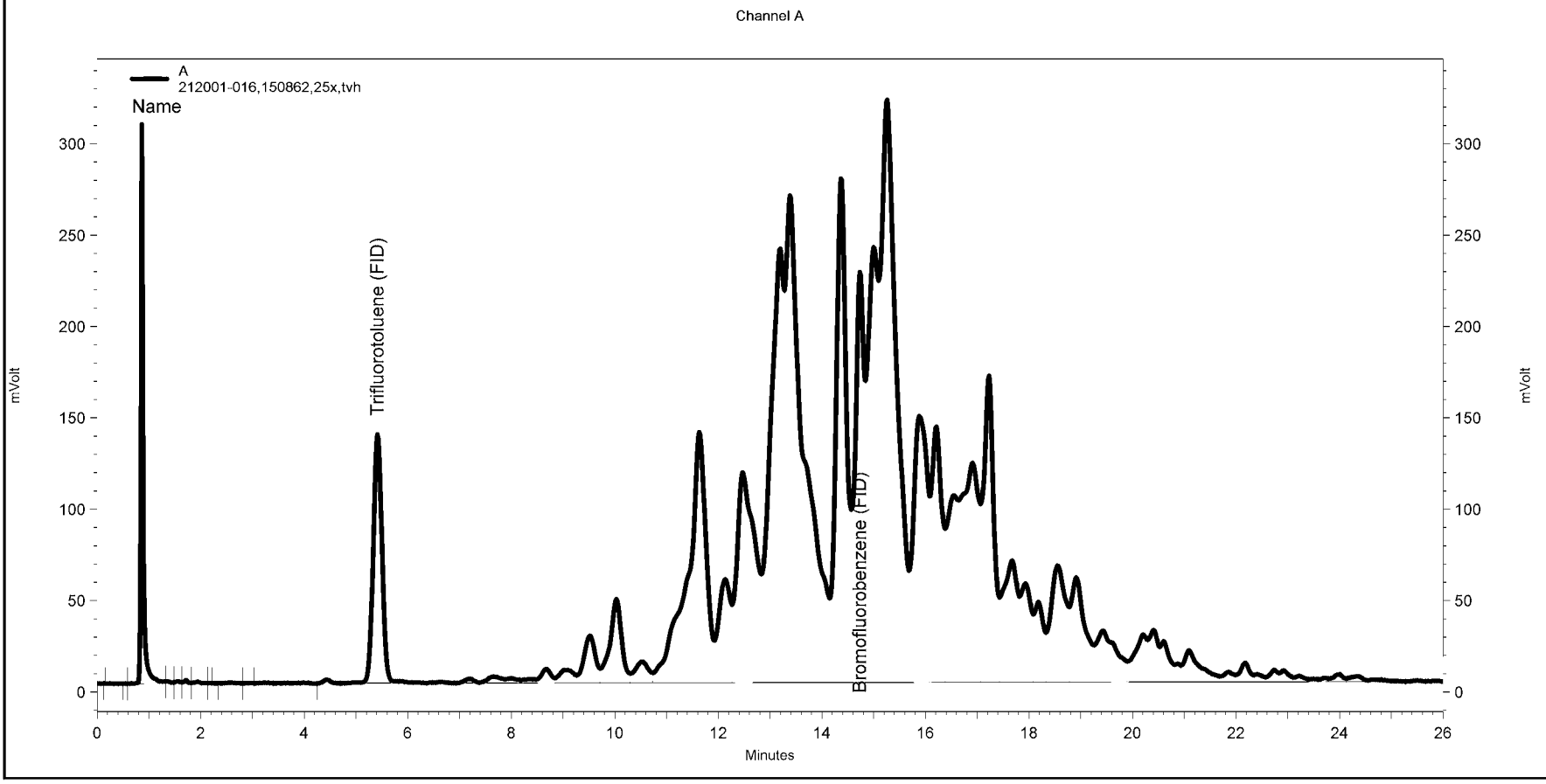
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_010_5F5A.tmp

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

Sequence File: \\lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-016,150862,25x,tvh
Data File: \\lims\gdrive\ezchrom\Projects\GC05\Data\131_011
Instrument: GC05 Vial: N/A Operator: lims2k3tvh3
Method Name: \\lims\gdrive\ezchrom\Projects\GC05\Method\TVHBTX127.met

Software Version 3.1.7
Run Date: 5/11/2009 3:50:11 PM
Analysis Date: 5/11/2009 4:18:55 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

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Manual Integration Fixes
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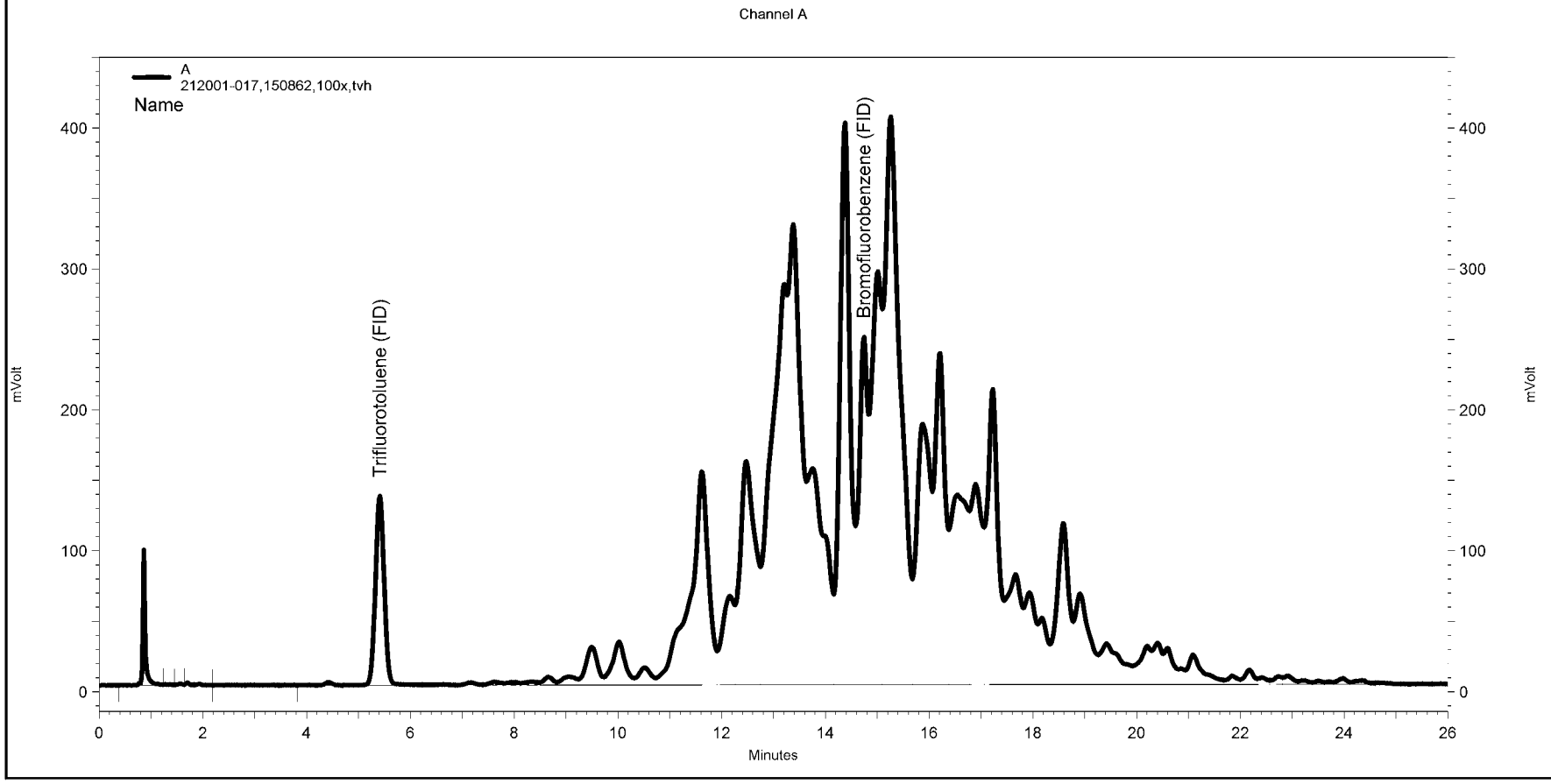
Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_011_5F5B.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-017,150862,100x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_013
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tr\hbx127.met

Software Version 3.1.7

Run Date: 5/11/2009 5:01:21 PM
Analysis Date: 5/11/2009 5:30:04 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

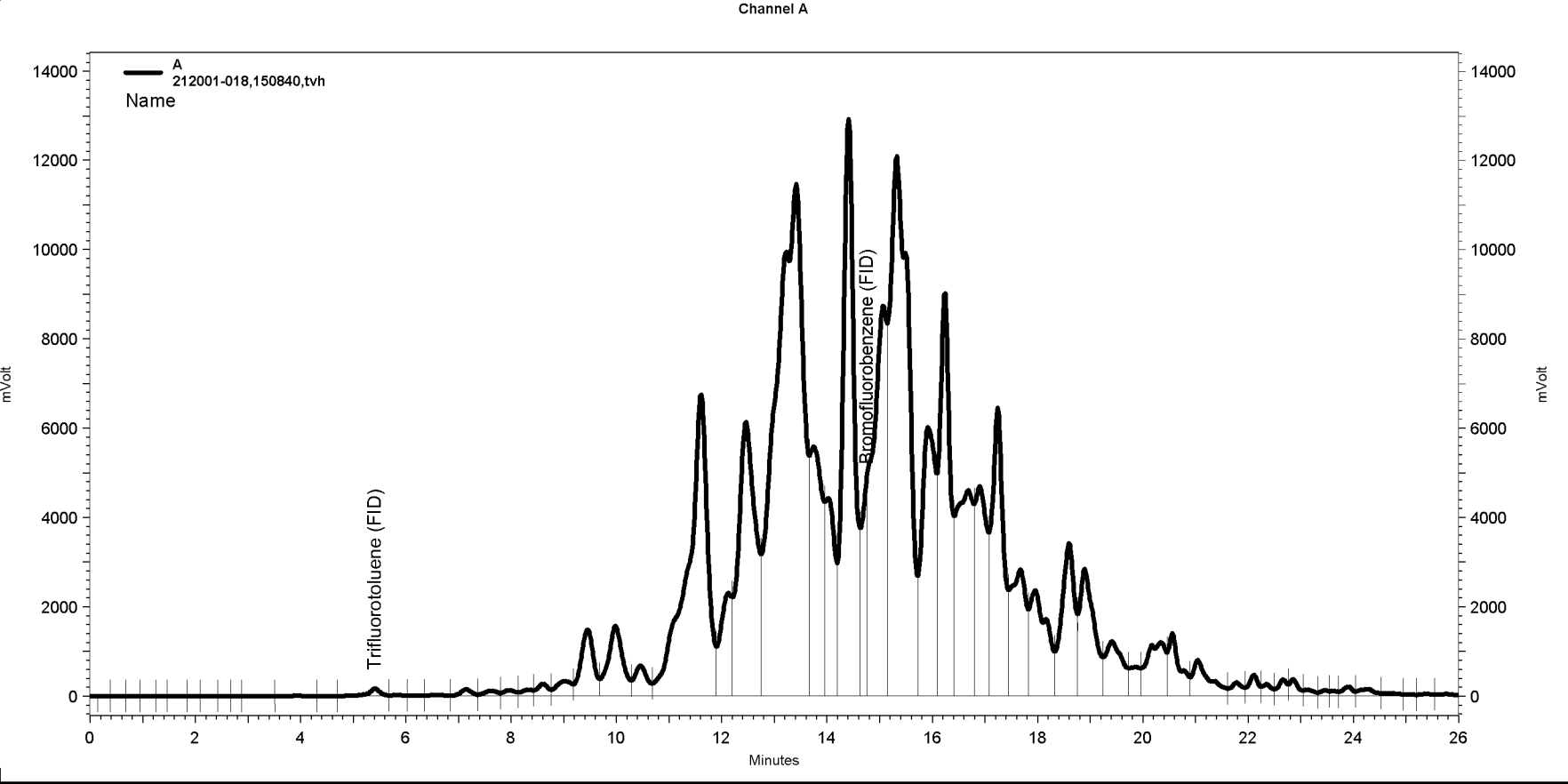
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Manual Integration Fixes
=====

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_013_5F5D.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequencel129.seq
Sample Name: 212001-018,150840.tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\129_013
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lvhbtxe119.met

Software Version 3.1.7
Run Date: 5/9/2009 2:54:07 PM
Analysis Date: 5/12/2009 10:40:24 AM
Sample Amount: 0.99 Multiplier: 0.99
Vial & pH or Core ID: a



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

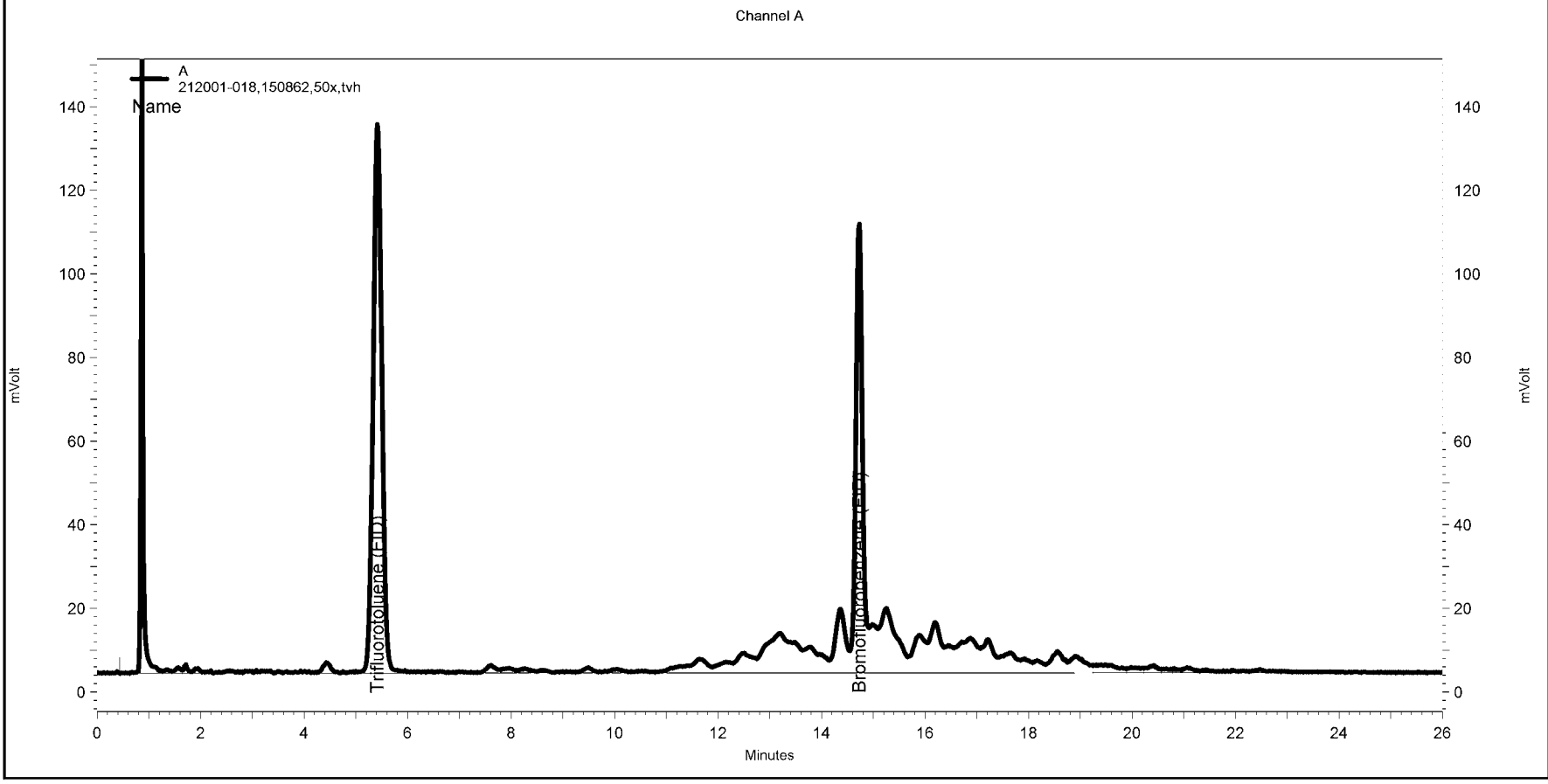
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Manual Integration Fixes
=====

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\129_013

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	14.767	0	26.017
Yes	Split Peak	0	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-018,150862,50x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_019
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tr\hbx127.met

Software Version 3.1.7
Run Date: 5/11/2009 8:34:43 PM
Analysis Date: 5/11/2009 9:03:27 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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Integration Events
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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\131_019_5F63.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-019,150895,50x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_056

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

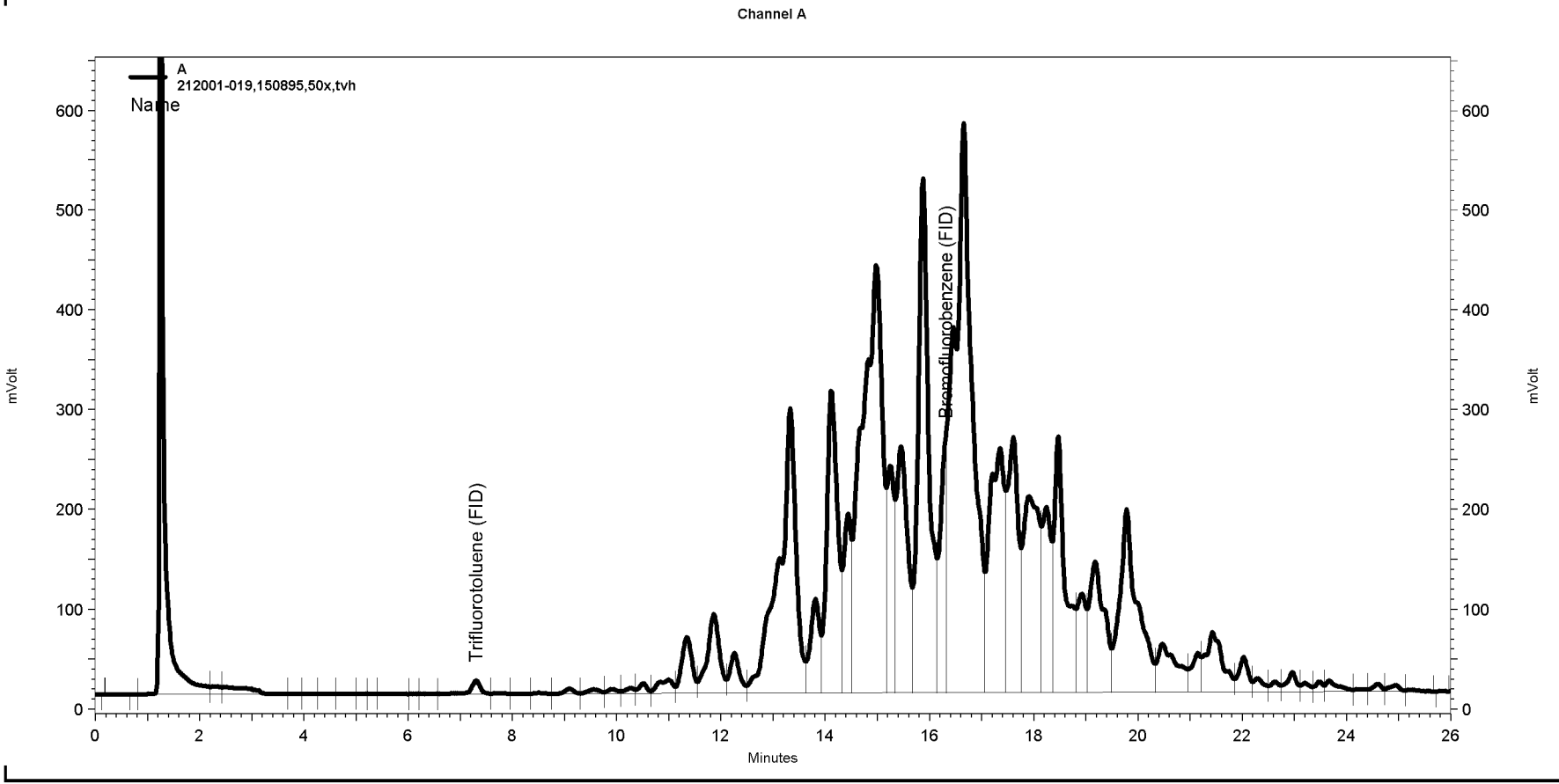
Software Version 3.1.7

Run Date: 5/13/2009 8:17:33 PM

Analysis Date: 5/14/2009 9:29:10 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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Integration Events
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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\GC19\Data\132_056

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.329	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-020,150895,25x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_051

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

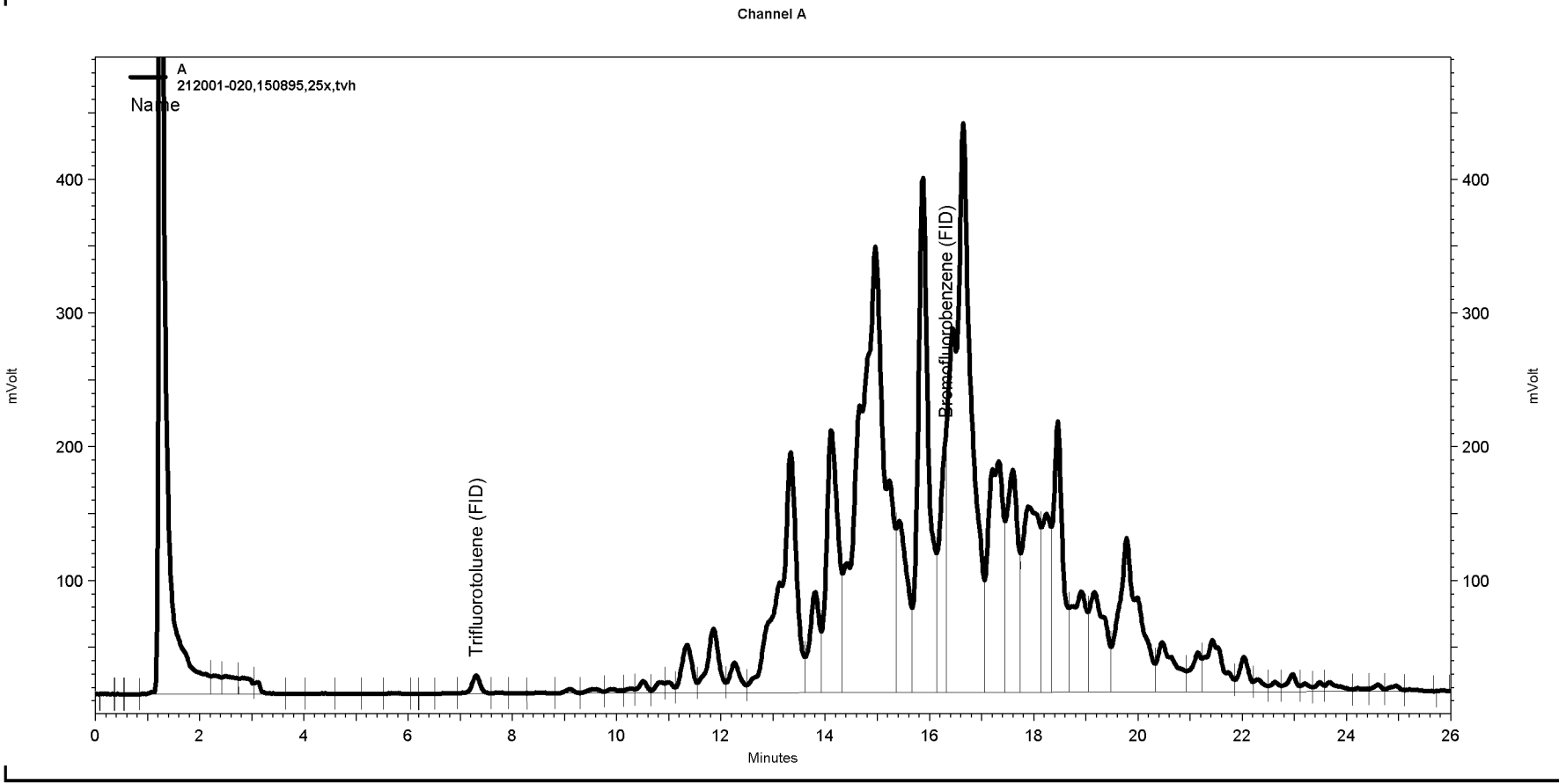
Software Version 3.1.7

Run Date: 5/13/2009 5:10:04 PM

Analysis Date: 5/14/2009 9:25:21 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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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

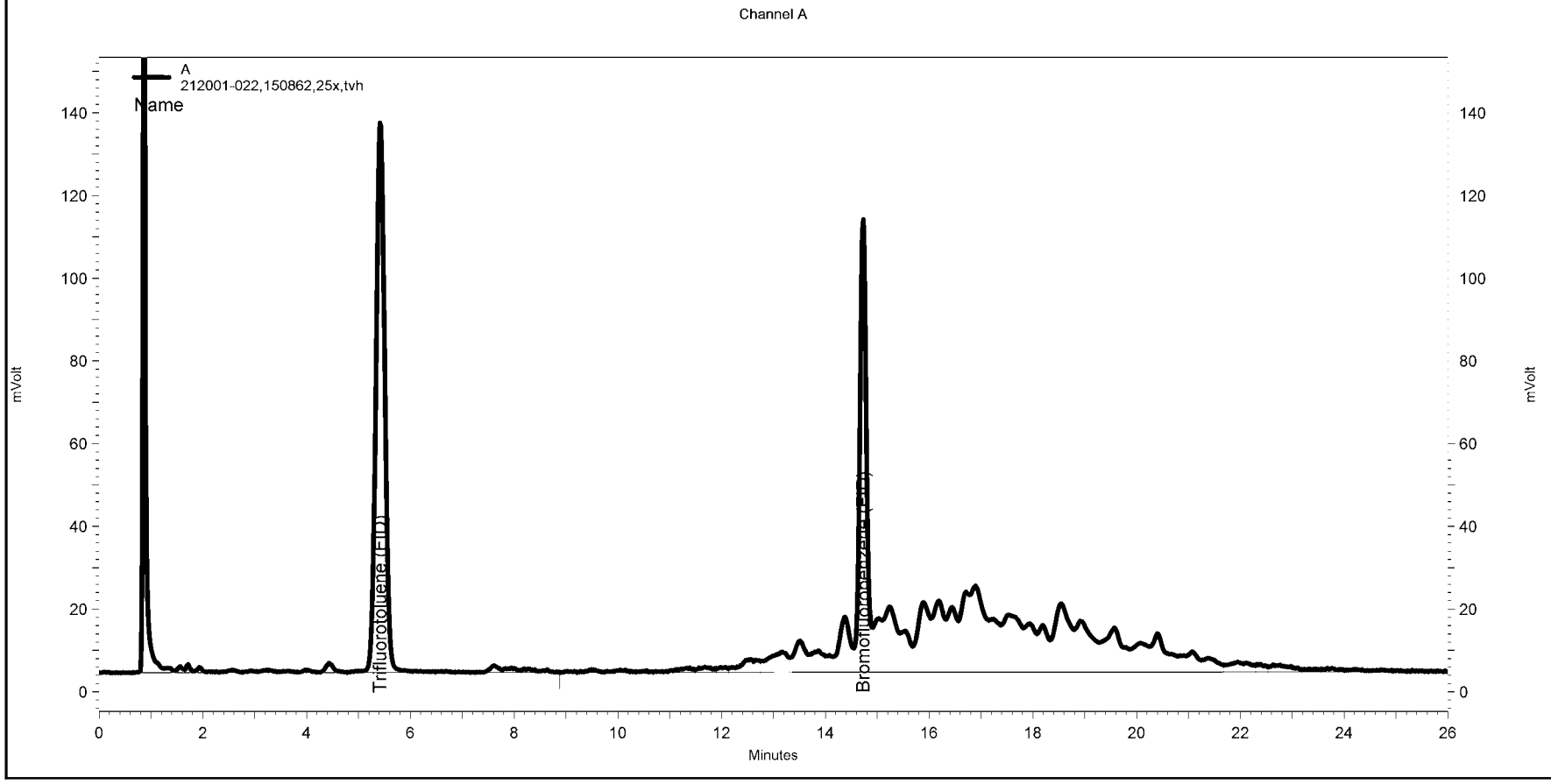
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_051

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.325	0	0

Sequence File: \\Lims\gdrive\lezhchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-022,150862,25x,tvh
Data File: \\Lims\gdrive\lezhchrom\Projects\GC05\Data\131_022
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\lezhchrom\Projects\GC05\Method\tv\hbx127.met

Software Version 3.1.7

Run Date: 5/11/2009 10:21:23 PM
Analysis Date: 5/11/2009 10:50:06 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

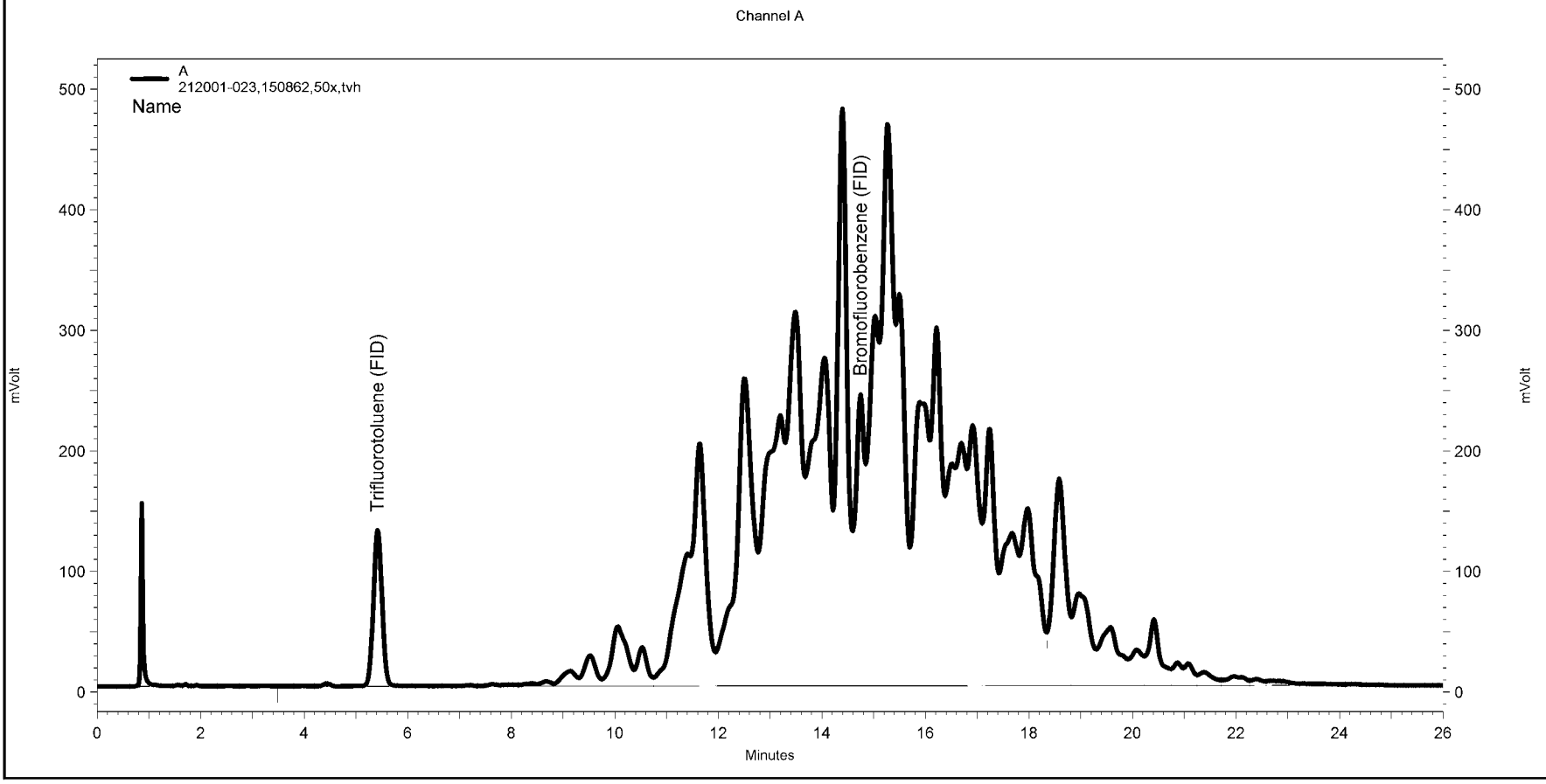
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_022_5F66.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-023,150862,50x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_025
Instrument: GC05 \Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\vhbtxe127.met

Software Version 3.1.7
Run Date: 5/12/2009 12:07:51 AM
Analysis Date: 5/12/2009 12:36:36 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

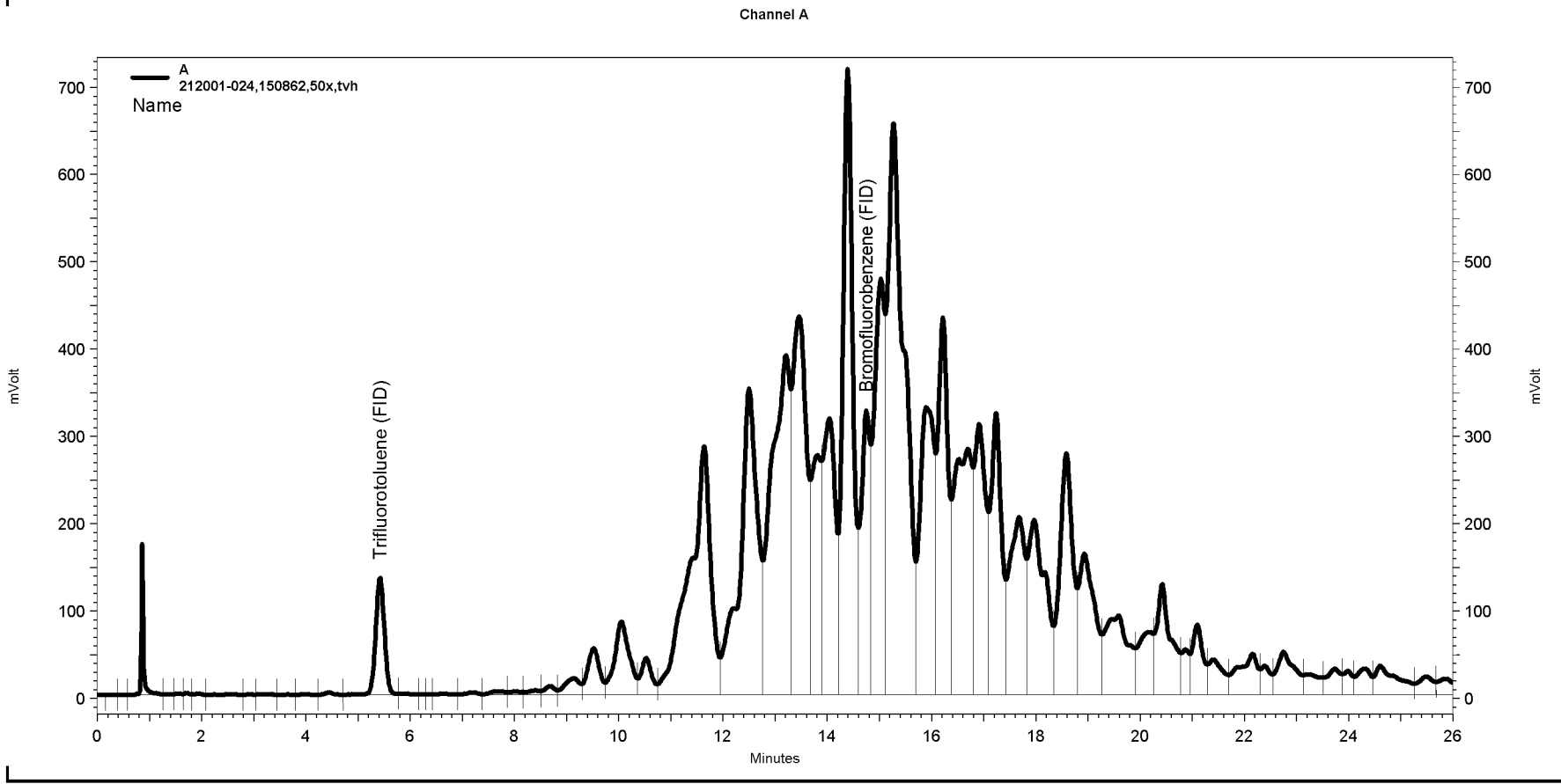
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Manual Integration Fixes
=====

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_025_5F69.rmp

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

Sequence File: \\lms\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-024,150862,50x,tvh
Data File: \\lms\gdrive\ezchrom\Projects\GC05\Data\131_035
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (jims2k3\th2)
Method Name: \\lms\gdrive\ezchrom\Projects\GC05\Method\tr\hbxe127.met

Software Version 3.1.7
Run Date: 5/12/2009 6:03:06 AM
Analysis Date: 5/12/2009 9:04:02 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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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

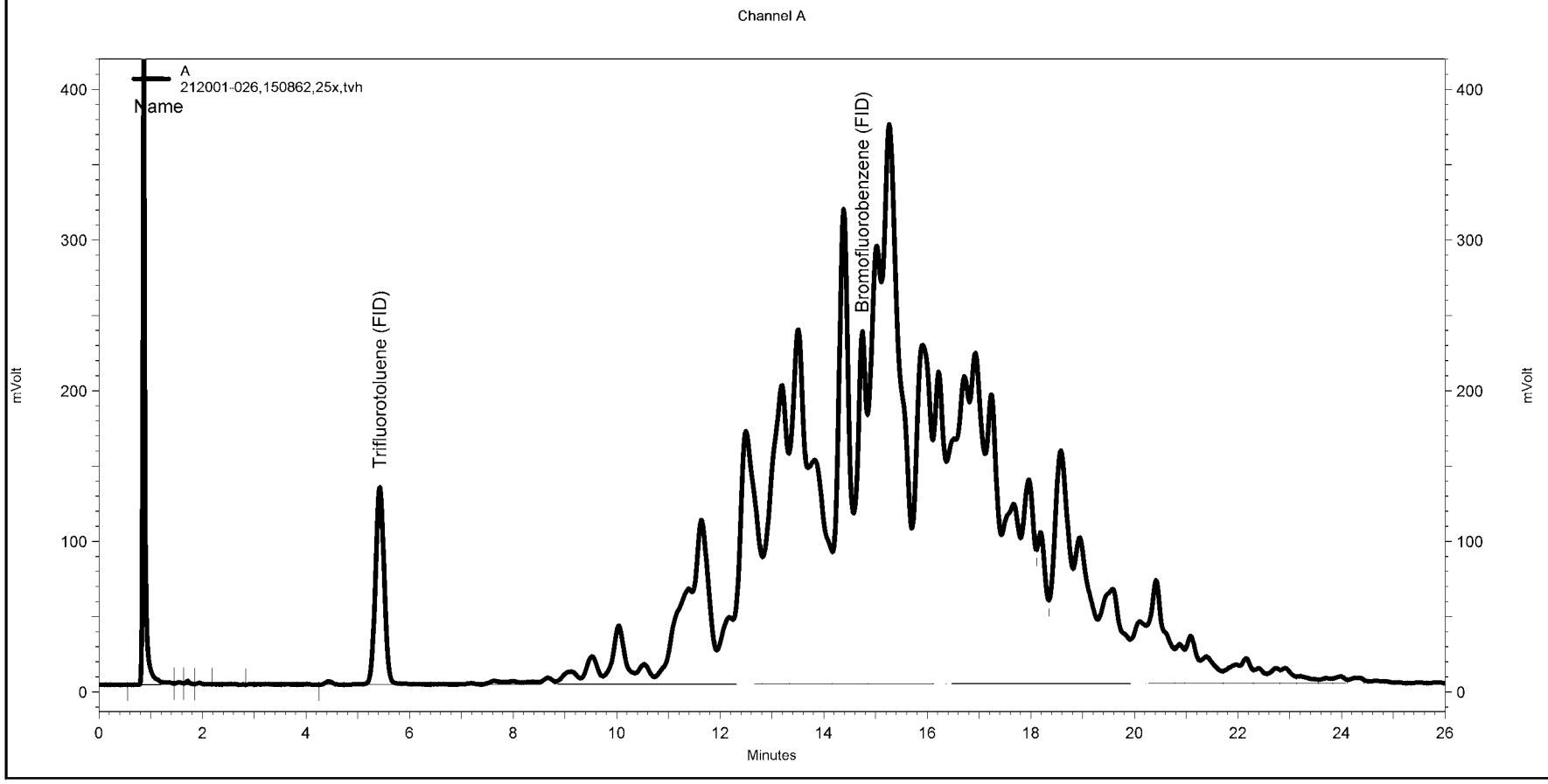
Manual Integration Fixes

Data File: \\lms\gdrive\ezchrom\Projects\GC05\Data\131_035

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0.129	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-026,150862,25x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_033
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tr\hbt\127.met

Software Version 3.1.7
Run Date: 5/12/2009 4:52:01 AM
Analysis Date: 5/12/2009 5:20:46 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

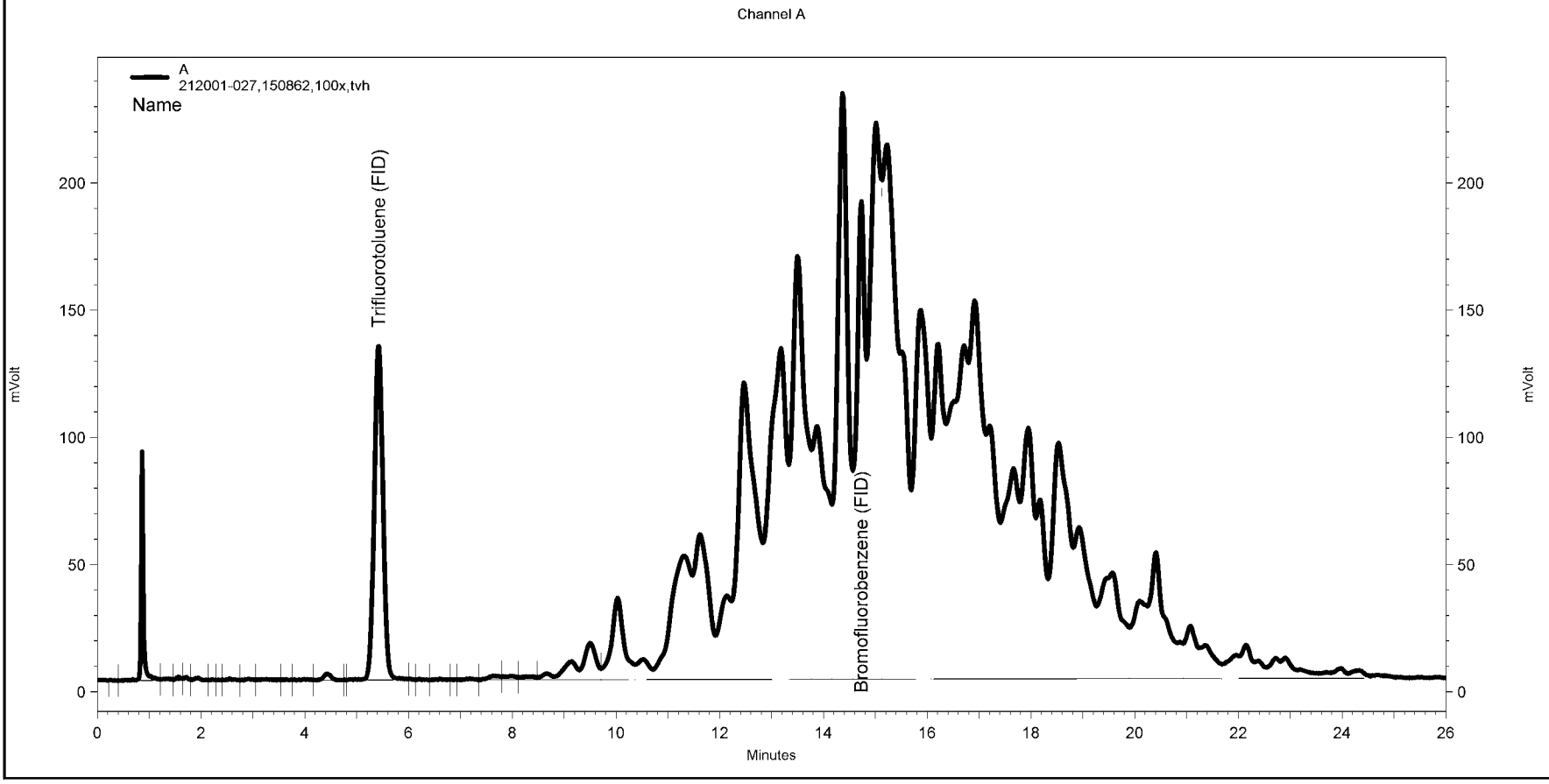
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_033_5F71.tmp

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

Sequence File: \\Lims\gdrive\lezhchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-027_150862_100x.tvh
Data File: \\Lims\gdrive\lezhchrom\Projects\GC05\Data\131_021
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\lezhchrom\Projects\GC05\Method\tr\hbx127.met

Software Version 3.1.7
Run Date: 5/11/2009 9:45:50 PM
Analysis Date: 5/11/2009 10:14:34 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

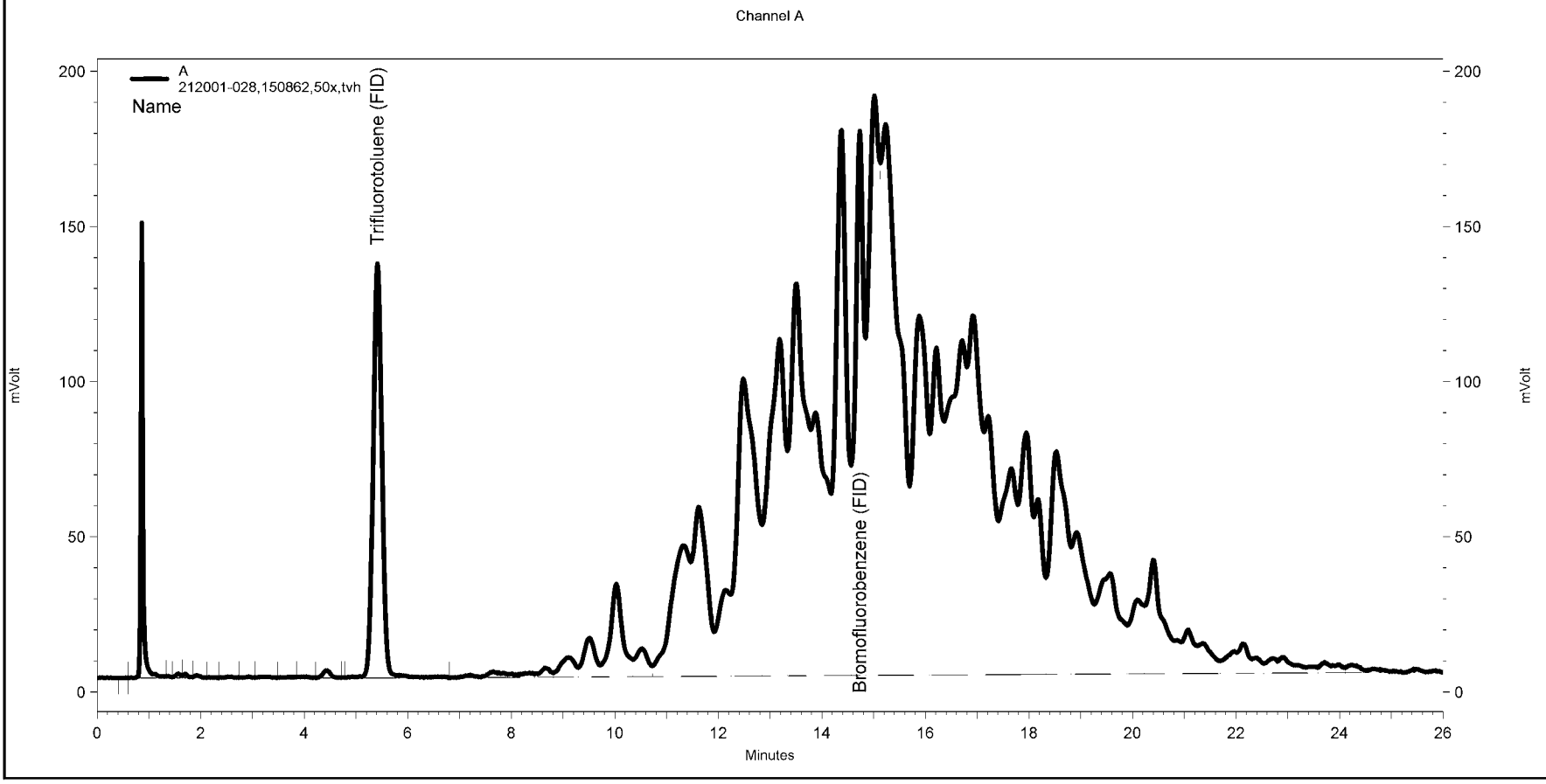
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_021_5F65.tmp

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

Sequence File: \\lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-028,150862,50x,tvh
Data File: \\lims\gdrive\ezchrom\Projects\GC05\Data\131_020
Instrument: GC05 Vial: N/A Operator: lims2k3tvh3
Method Name: \\lims\gdrive\ezchrom\Projects\GC05\Method\tr\hbt\127.met

Software Version 3.1.7
Run Date: 5/11/2009 9:10:17 PM
Analysis Date: 5/11/2009 9:39:00 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

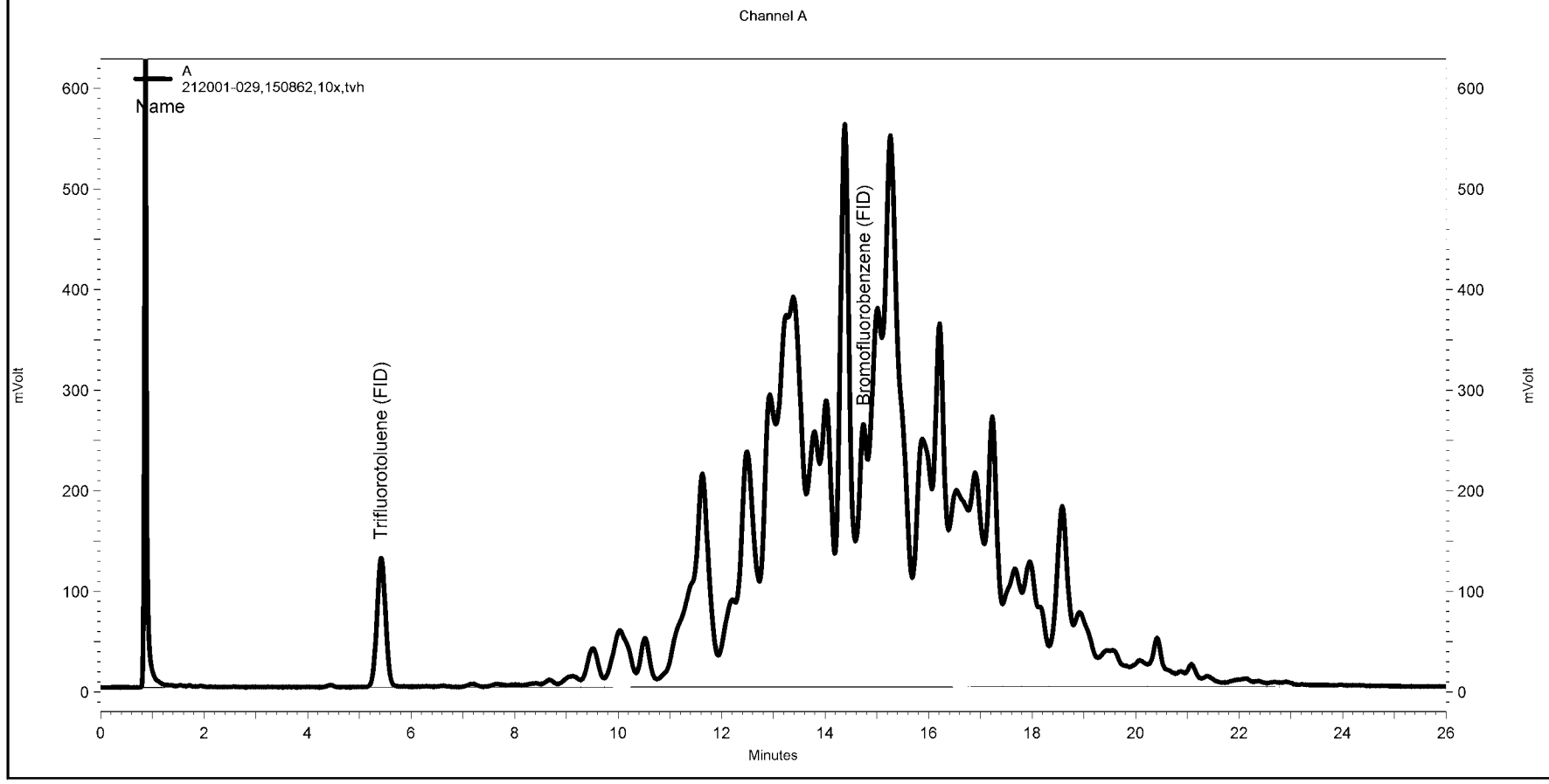
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application
Data\Chromatography\System\Recovery
Data\Instrument.10048\131_020_5F64.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-029,150862,10x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_023
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\trvhtxe127.met

Software Version 3.1.7
Run Date: 5/11/2009 10:56:54 PM
Analysis Date: 5/11/2009 11:25:37 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

=====
Manual Integration Fixes
=====

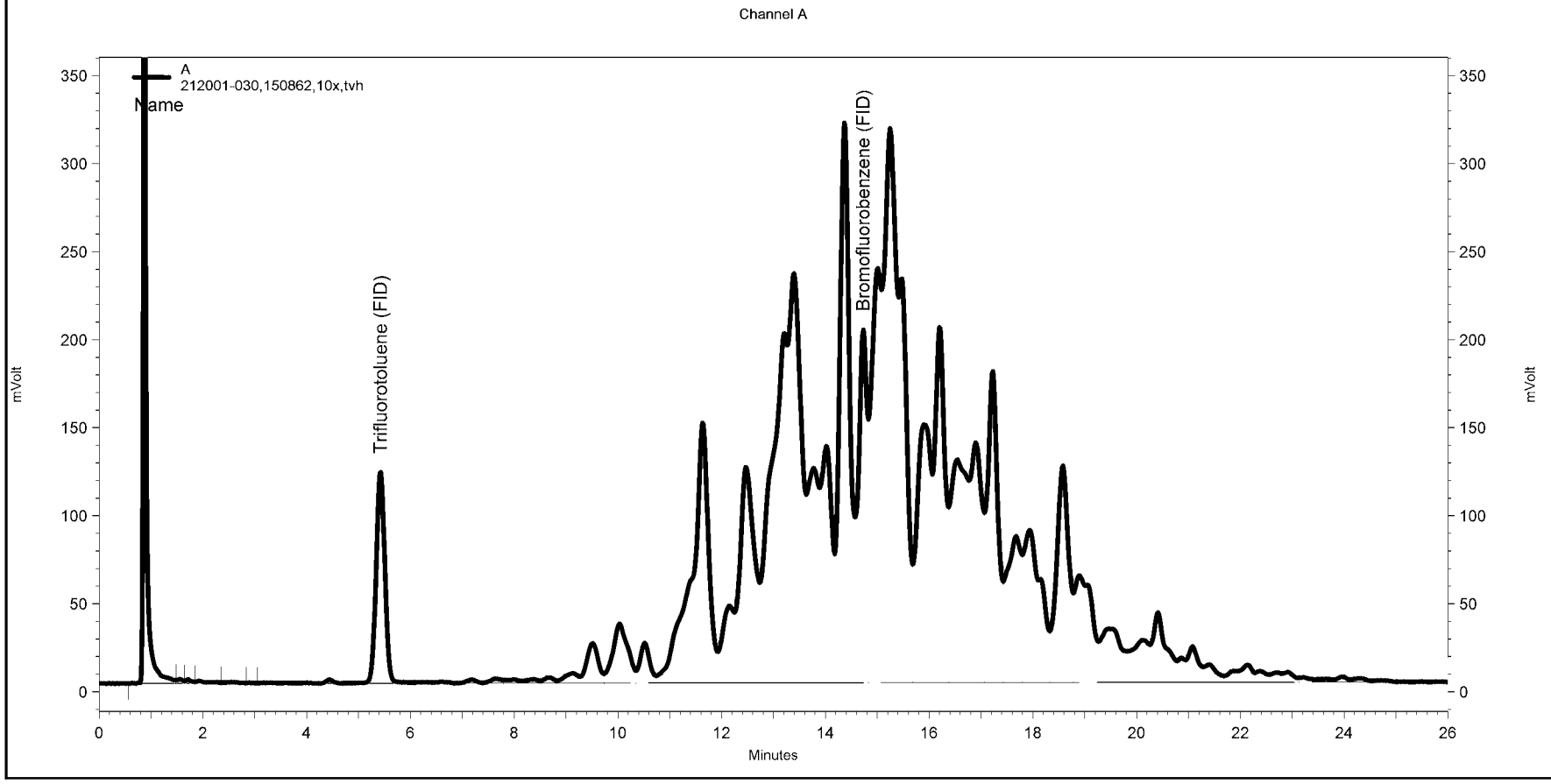
Data File: C:\Documents and Settings\All Users\Application
Data\Chromatography\System\Recovery
Data\Instrument.10048\131_023_5F67.tmp

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

Sequence File: \\Lims\gdrive\lezhchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-030_150862_10x.tvh
Data File: \\Lims\gdrive\lezhchrom\Projects\GC05\Data\131_038
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\lezhchrom\Projects\GC05\Method\tr\hbx127.met

Software Version 3.1.7

Run Date: 5/12/2009 7:49:42 AM
Analysis Date: 5/12/2009 8:18:25 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

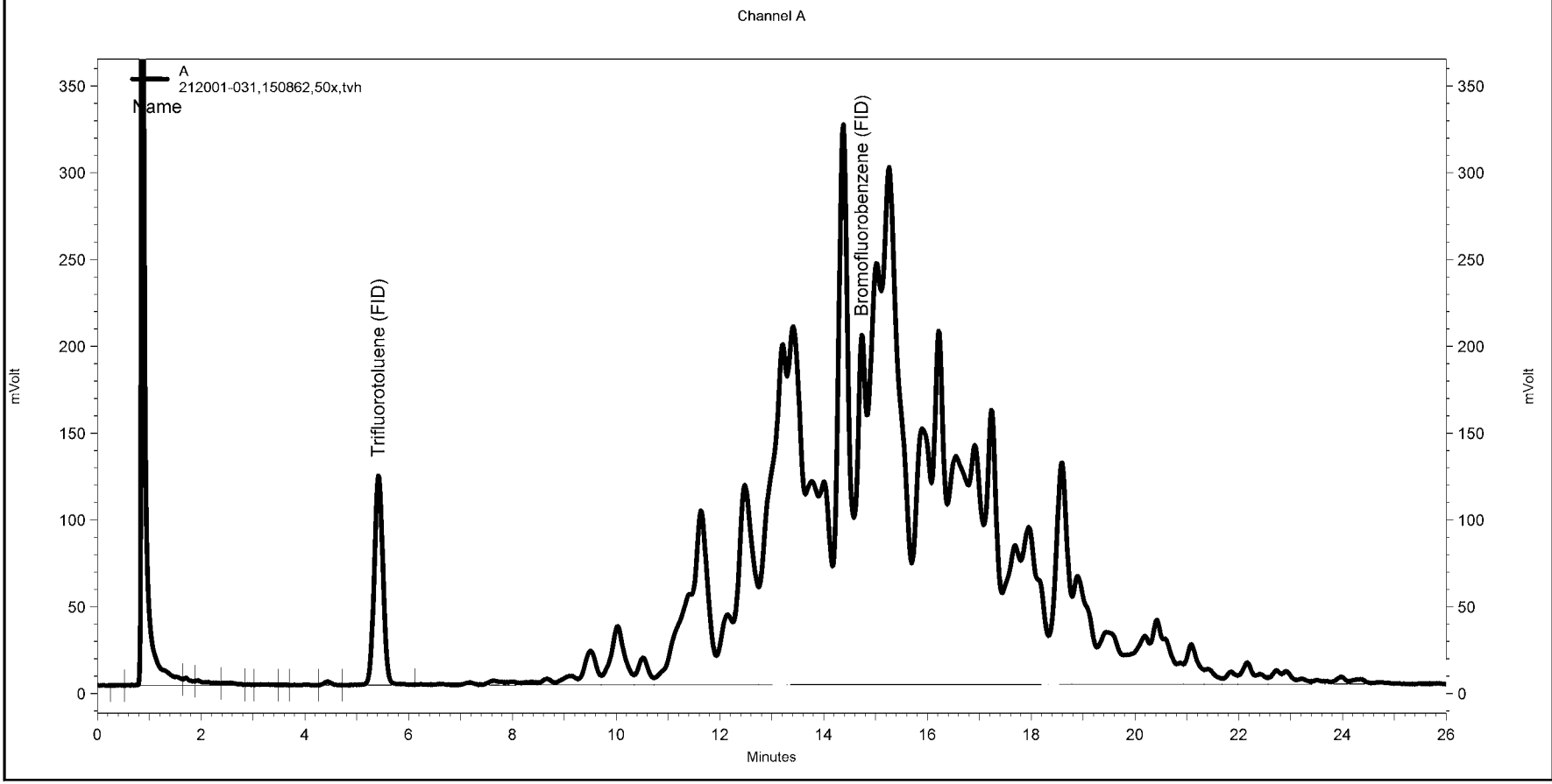
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Manual Integration Fixes
=====

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_038_5F76.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-031,150862,50x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\131_039
Instrument: GC05 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\vhbtxe127.met

Software Version 3.1.7
Run Date: 5/12/2009 8:25:12 AM
Analysis Date: 5/12/2009 8:53:56 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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

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No items selected for this section

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

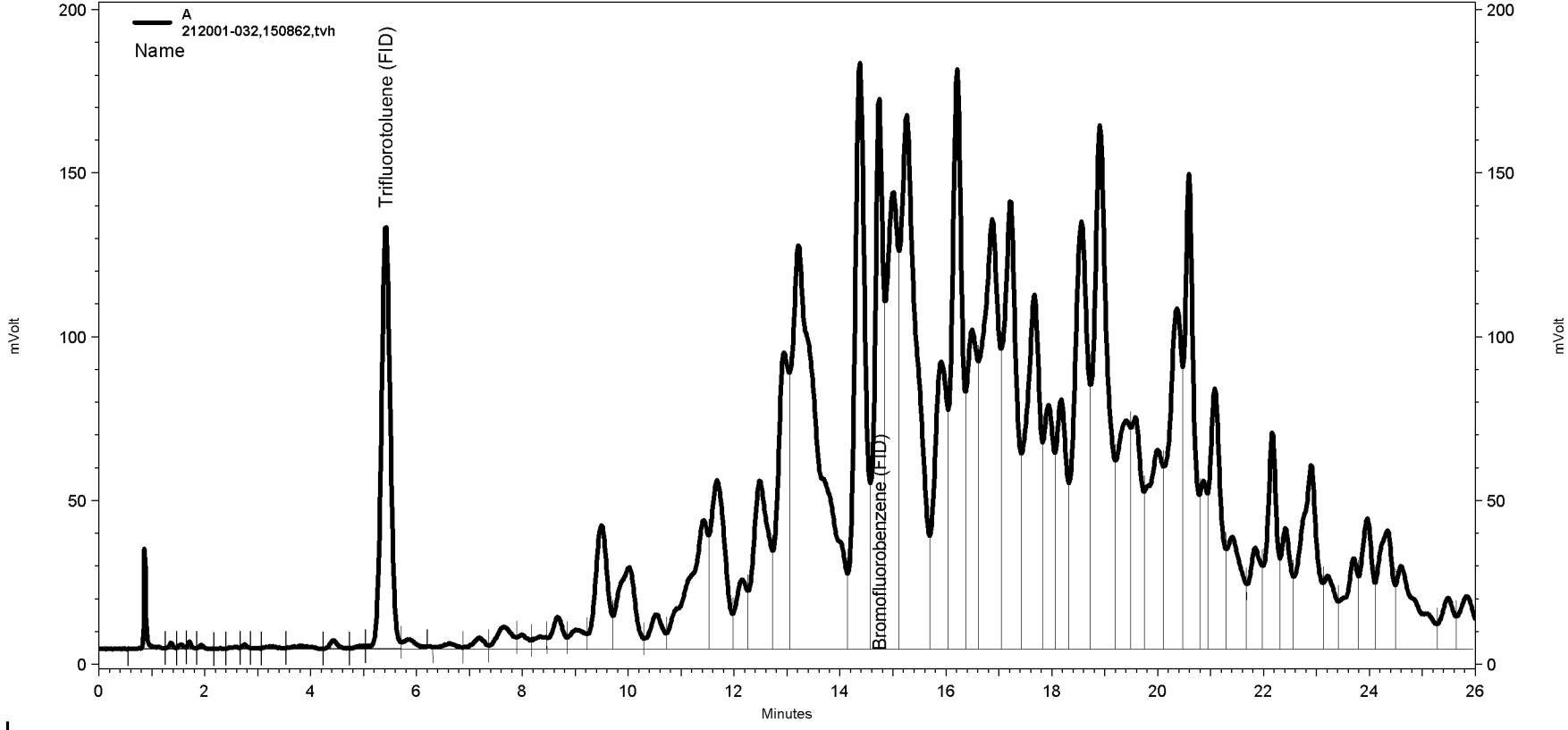
=====
Manual Integration Fixes
=====

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\131_039_5F77.tmp

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

Sequence File: \\lms\gdrive\ezchrom\Projects\GC05\Sequence\131.seq
Sample Name: 212001-032,150862.tvh
Data File: \\lms\gdrive\ezchrom\Projects\GC05\Data\131_031
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (jims2k3\th2)
Method Name: \\lms\gdrive\ezchrom\Projects\GC05\Method\tr\hbxe127.met

Software Version 3.1.7
Run Date: 5/12/2009 3:41:04 AM
Analysis Date: 5/12/2009 10:45:41 AM
Sample Amount: 1.1 Multiplier: 1.1
Vial & pH or Core ID: a



< General Method Parameters >

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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: \\lms\gdrive\ezchrom\Projects\GC05\Data\131_031

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0	25.967	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-033,150895,50x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_010

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

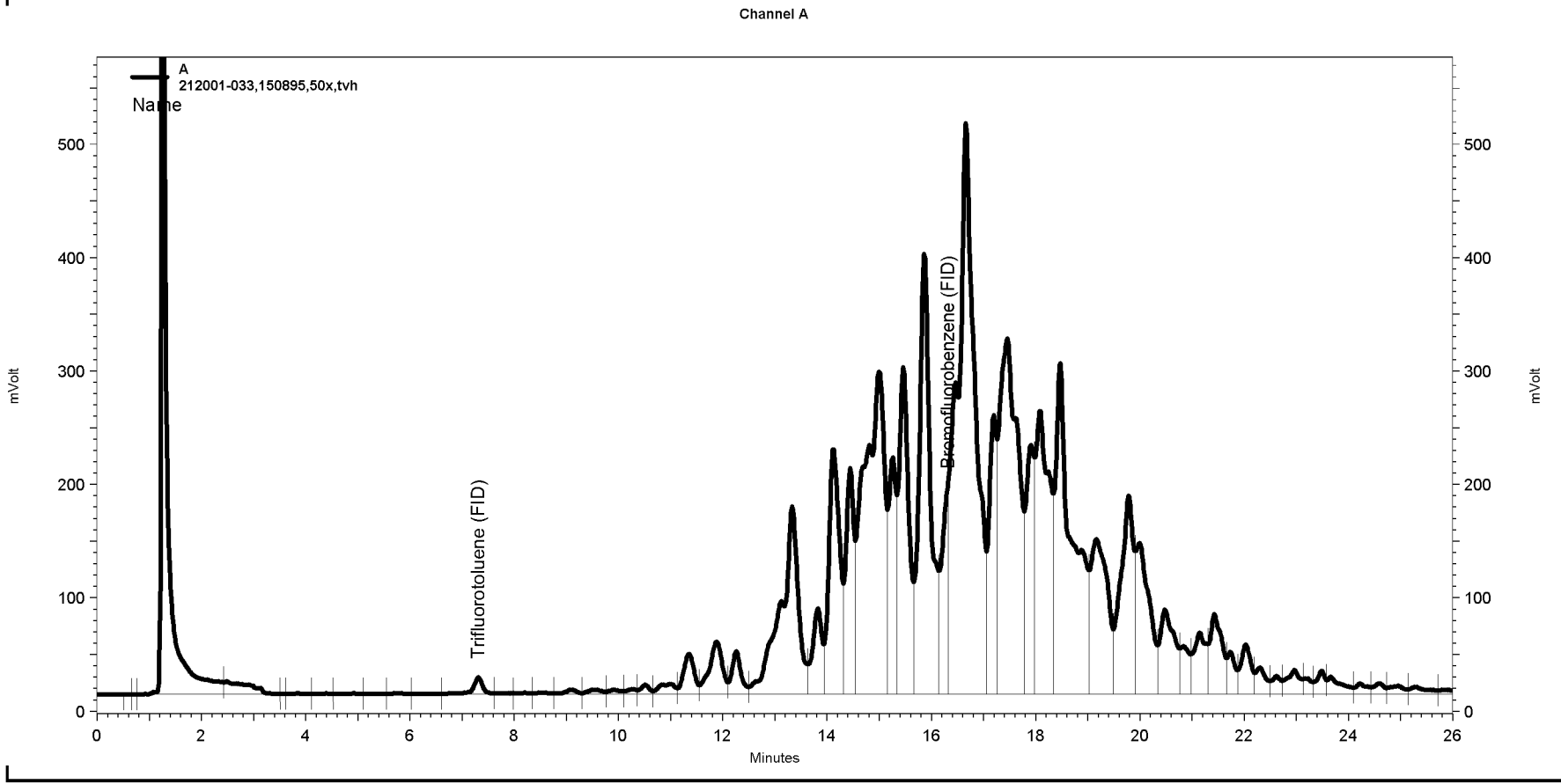
Software Version 3.1.7

Run Date: 5/12/2009 3:29:34 PM

Analysis Date: 5/13/2009 8:03:47 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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

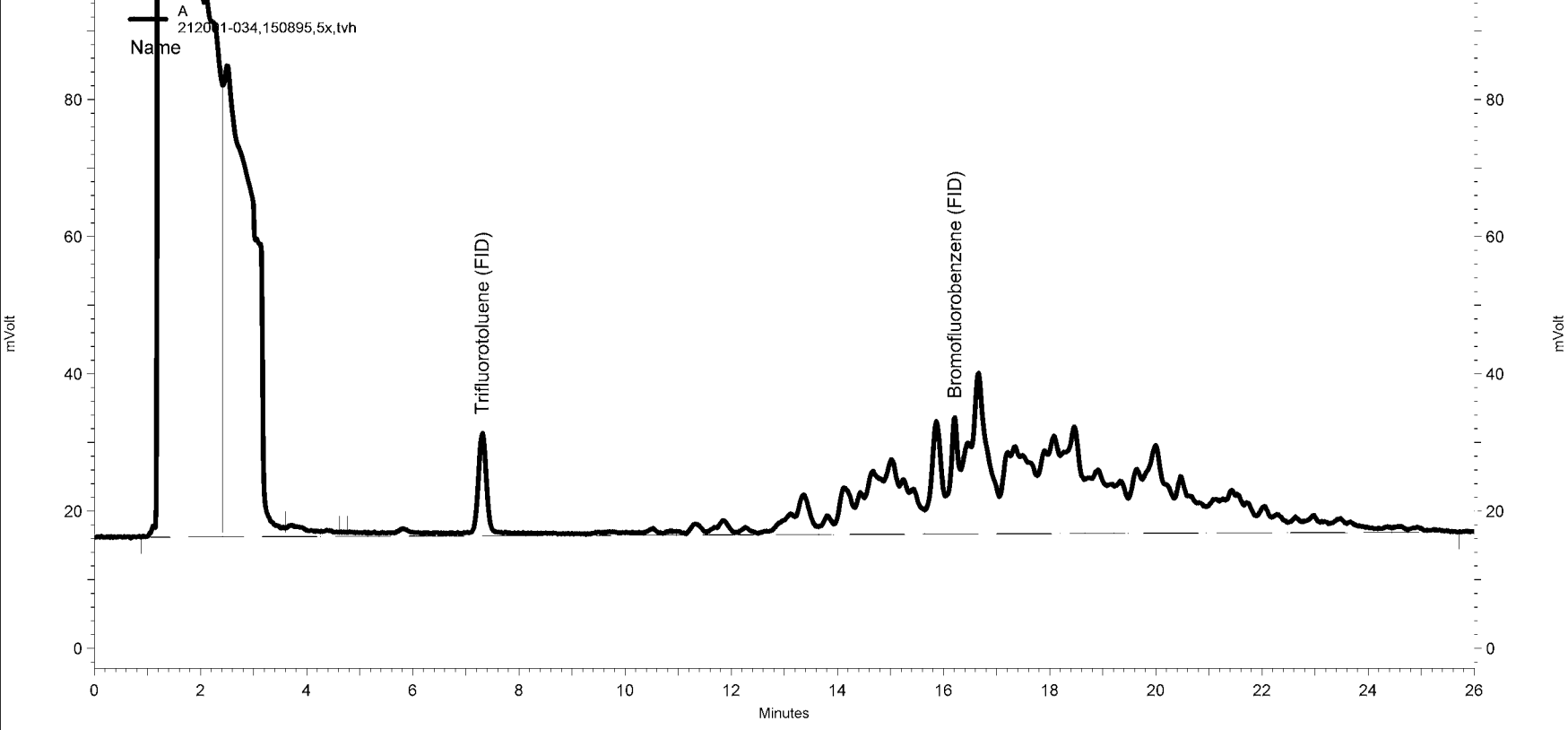
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_010

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0	26.017	0
Yes	Split Peak	16.326	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq
Sample Name: 212001-034,150895,5x,tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_039
Instrument: GC19 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxelMTBESingle128.met

Software Version 3.1.7
Run Date: 5/13/2009 9:39:46 AM
Analysis Date: 5/13/2009 10:08:53 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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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: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.100501132_039_429A.tmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-035,150895,25x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_012

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\lvhbtxe\MTBEsingle128.met

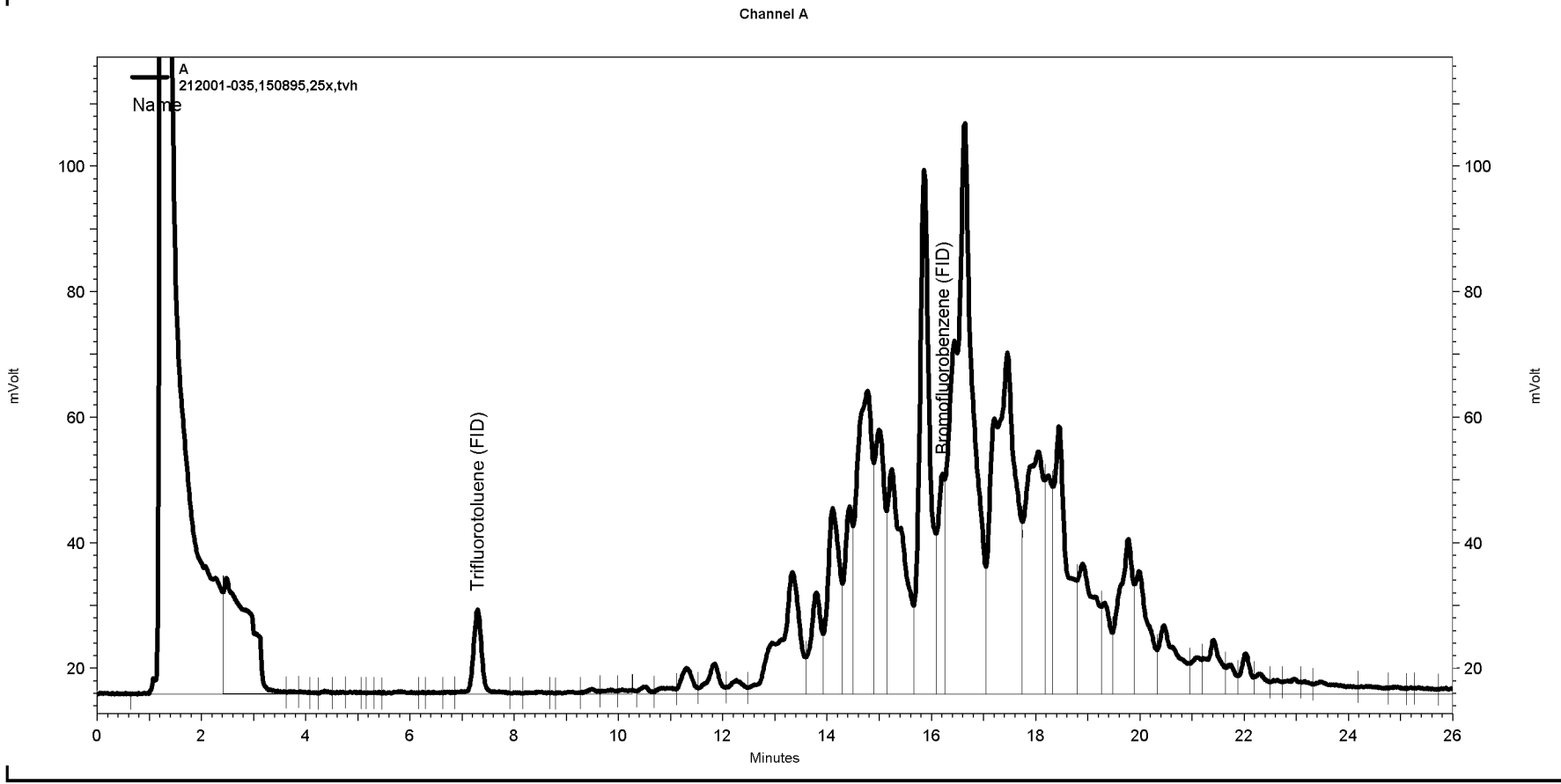
Software Version 3.1.7

Run Date: 5/12/2009 4:44:54 PM

Analysis Date: 5/13/2009 8:05:58 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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

No items selected for this section

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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

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Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_012				
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	16.266	0	26.017
Yes	Split Peak	0	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\129.seq

Sample Name: 212001-036,150841,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\129_014

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

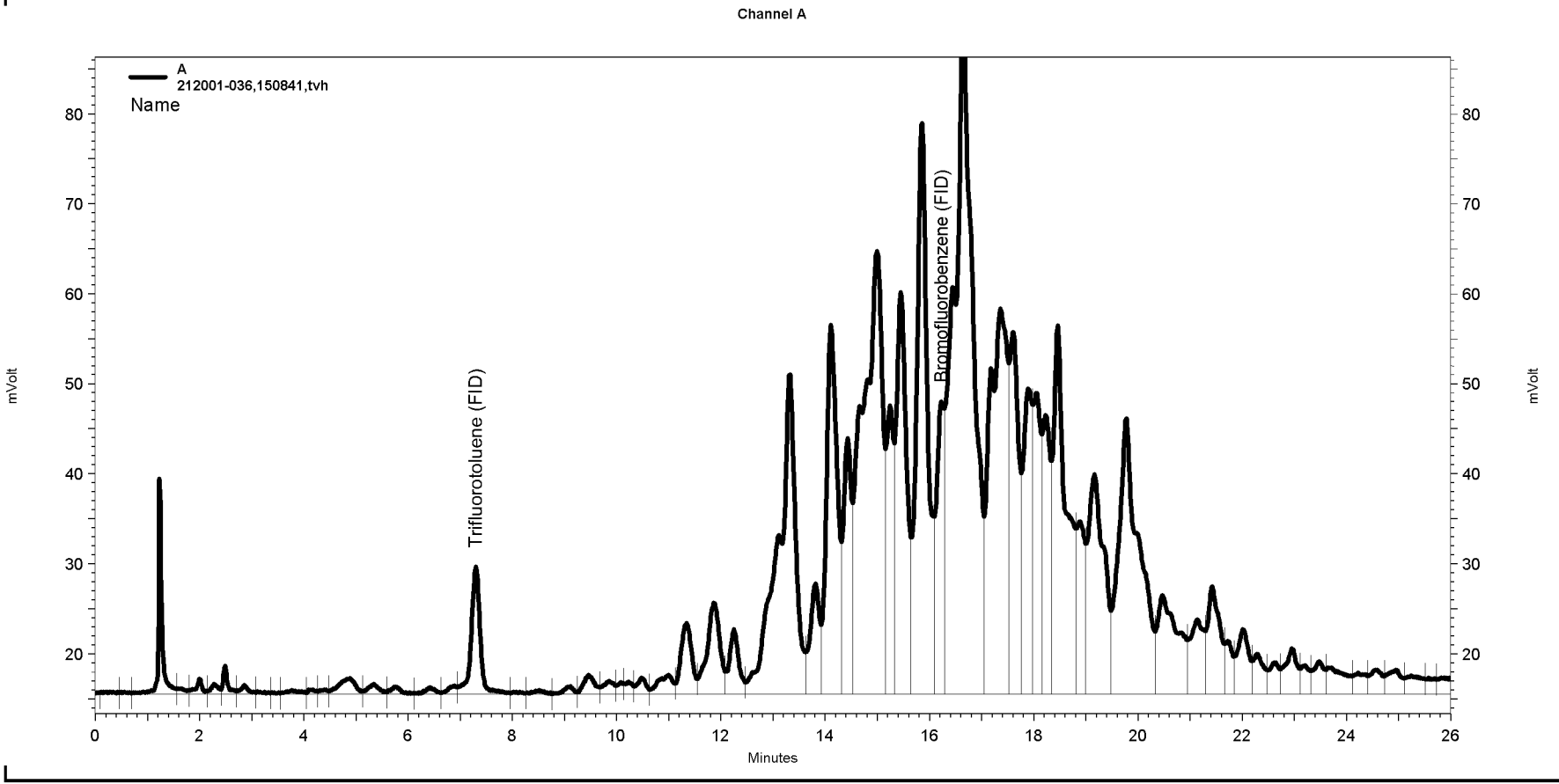
Software Version 3.1.7

Run Date: 5/9/2009 10:33:36 PM

Analysis Date: 5/12/2009 9:54:12 AM

Sample Amount: 1.1 Multiplier: 1.1

Vial & pH or Core ID: a



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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

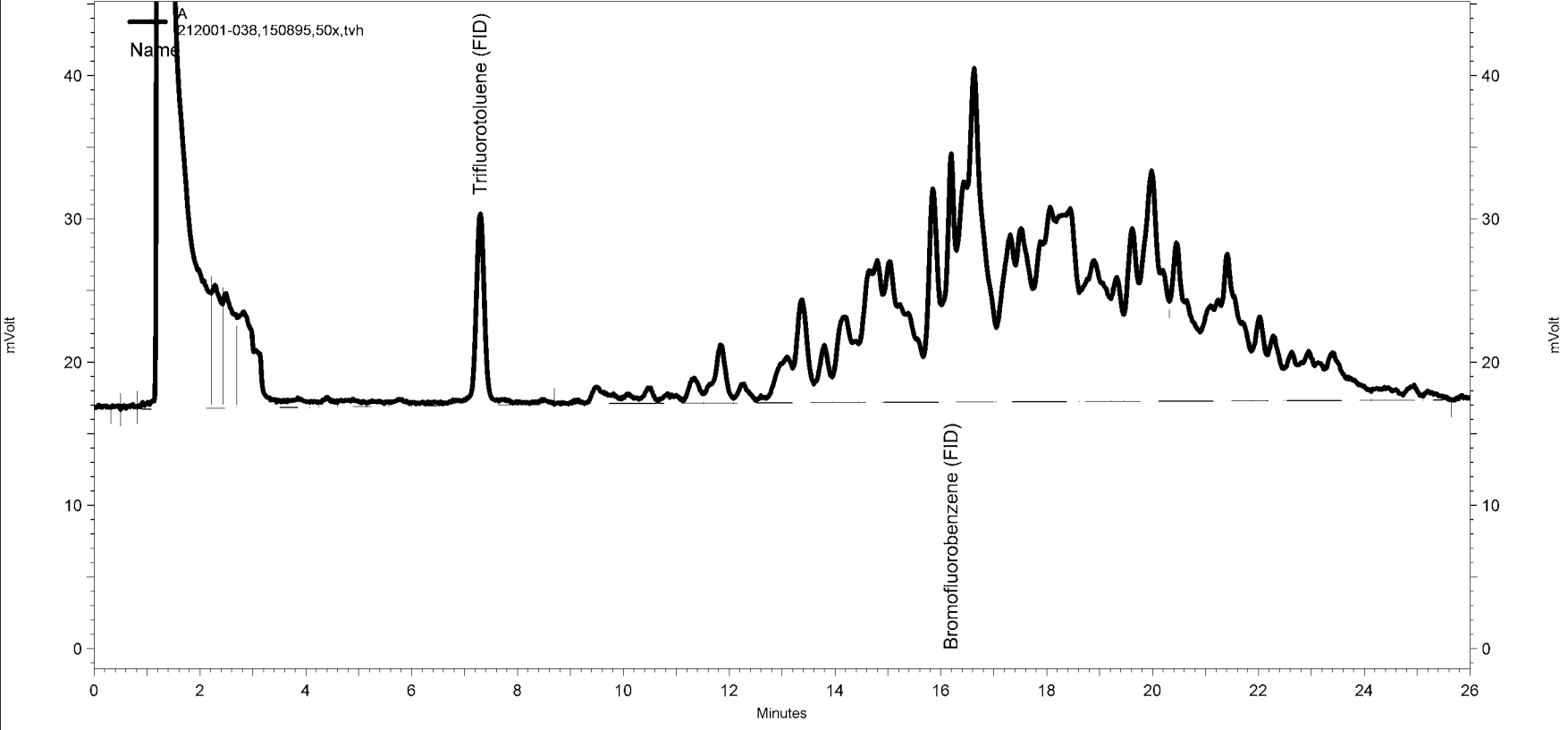
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\129_014

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	16.295	0	0.335
Yes	Split Peak	26.017	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq
Sample Name: 212001-038; 150895.50x.tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_035
Instrument: GC19 Vial: N/A Operator: lms2k3tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\vhbtxelMTBESingle128.met

Software Version 3.1.7
Run Date: 5/13/2009 7:09:29 AM
Analysis Date: 5/13/2009 7:38:33 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



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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: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10050132_035_4296.lmp

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

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: mss_212001-039_150895_50x.tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_022

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2 Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

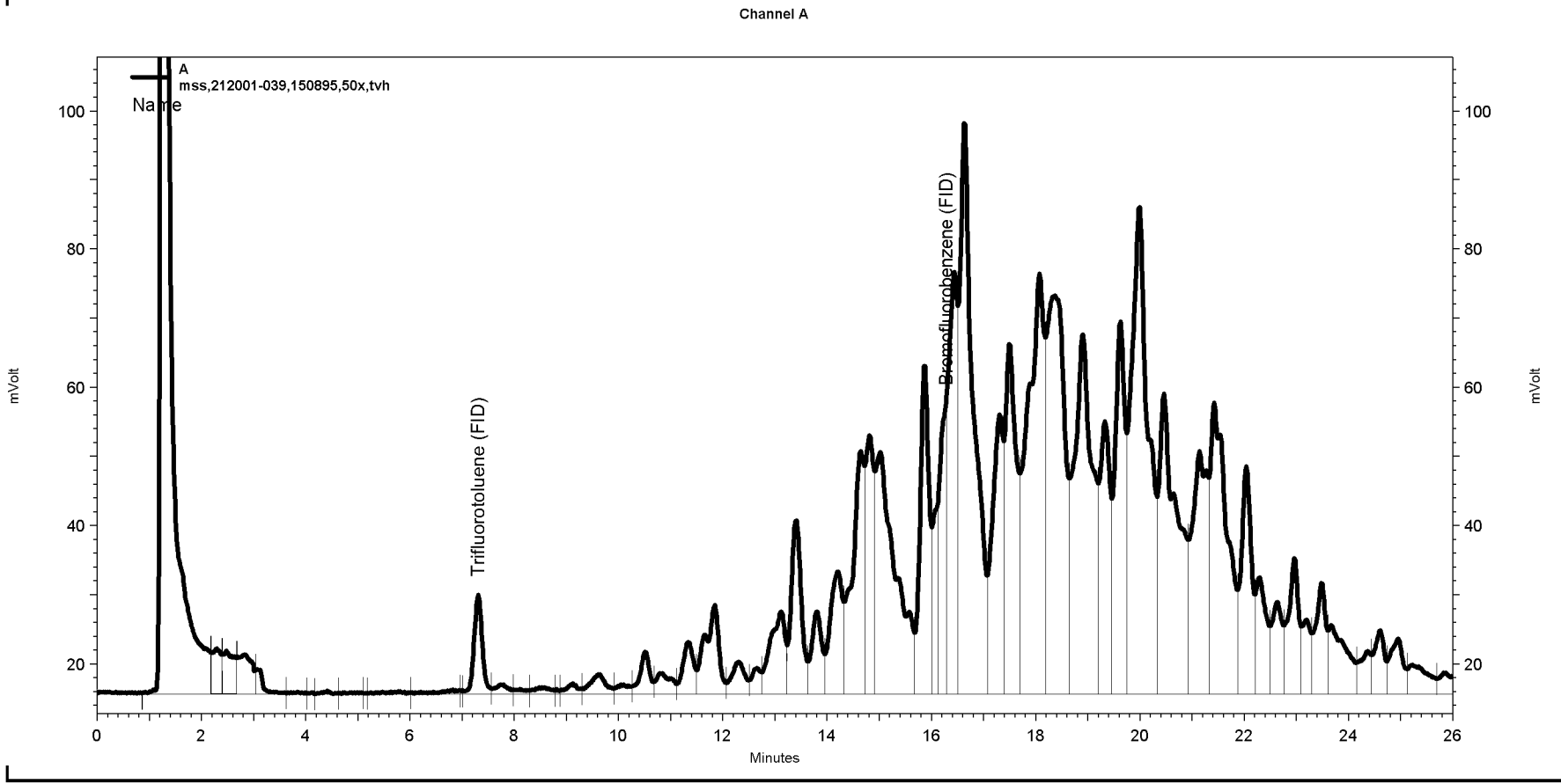
Software Version 3.1.7

Run Date: 5/12/2009 11:00:53 PM

Analysis Date: 5/13/2009 8:11:48 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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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\GC19\Data\132_022

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal	0.136	26.017	0
Yes	Split Peak	16.132	0	0
Yes	Split Peak	16.306	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-040,150895,500x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_055

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\TVH\txe\MTBEsingle128.met

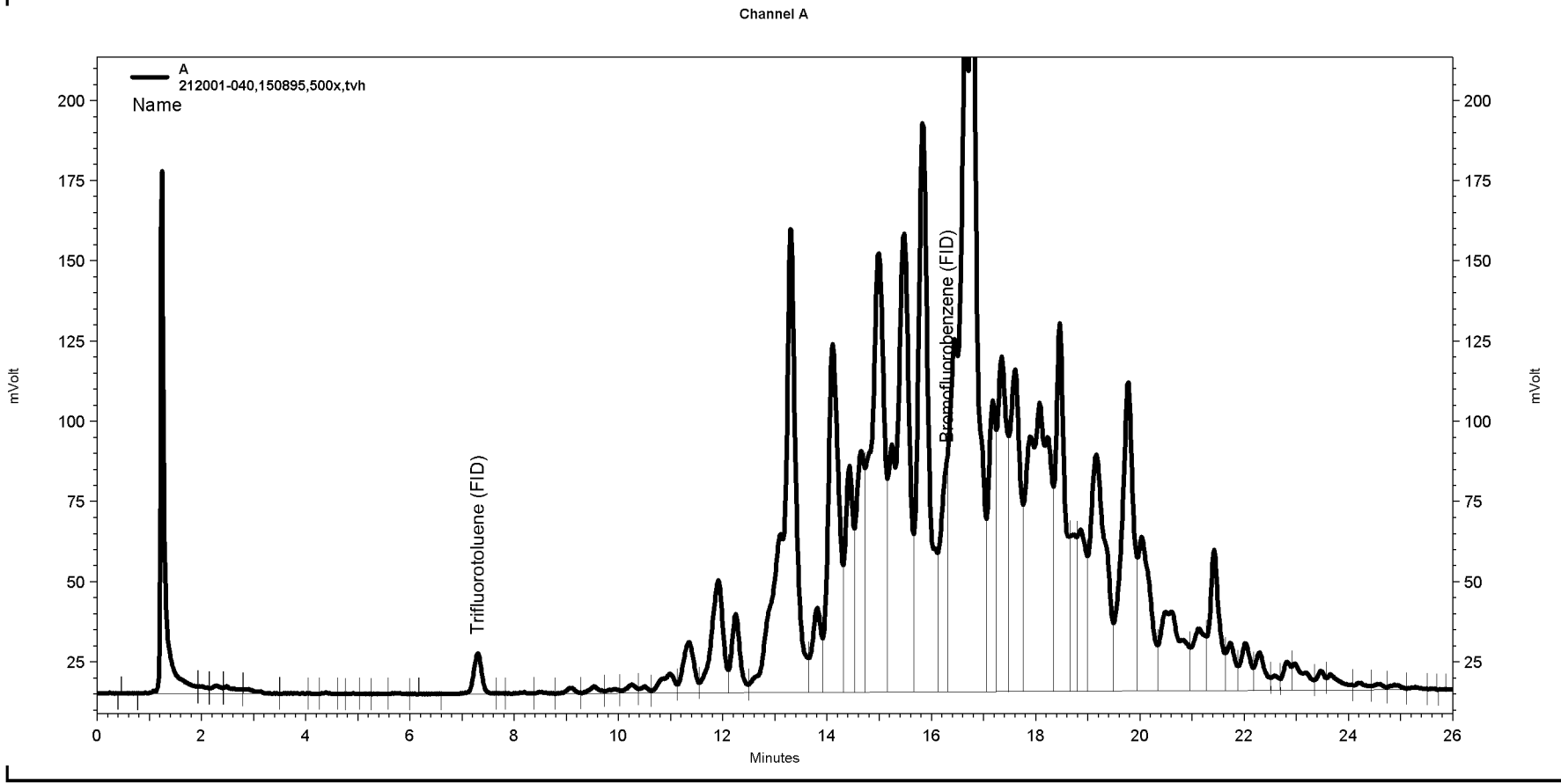
Software Version 3.1.7

Run Date: 5/13/2009 7:40:01 PM

Analysis Date: 5/14/2009 9:29:06 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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

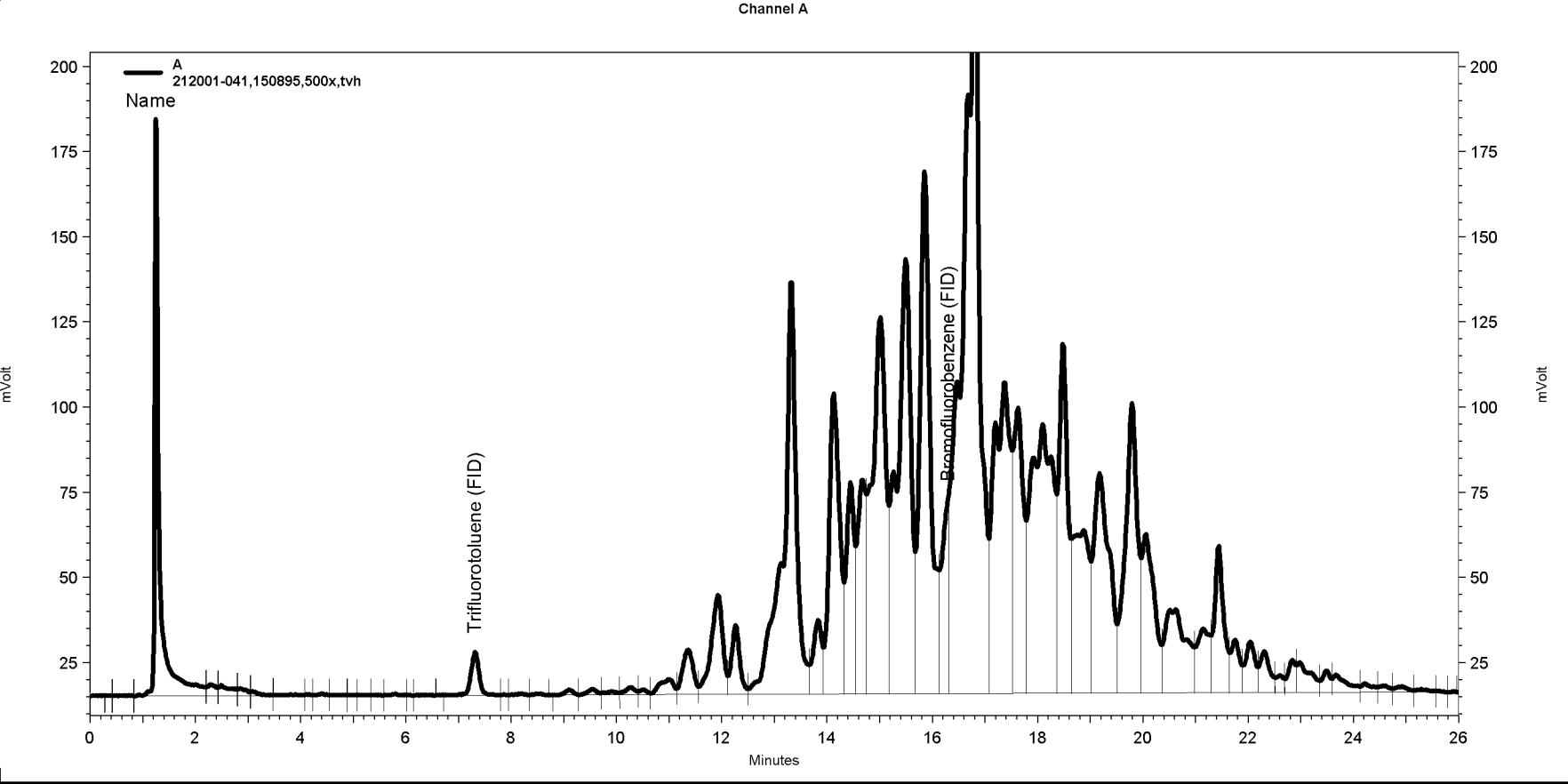
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Manual Integration Fixes
=====

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_055

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.317	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq
Sample Name: 212001-041,150895,500x.tvh
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_054
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\lvhbtxe\MTBEsingle128.met

Software Version 3.1.7
Run Date: 5/13/2009 7:02:27 PM
Analysis Date: 5/14/2009 9:29:03 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a



No items selected for this section

No items selected for this section

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\GC19\Data\132_054

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.321	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-042,150895,500x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_043

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

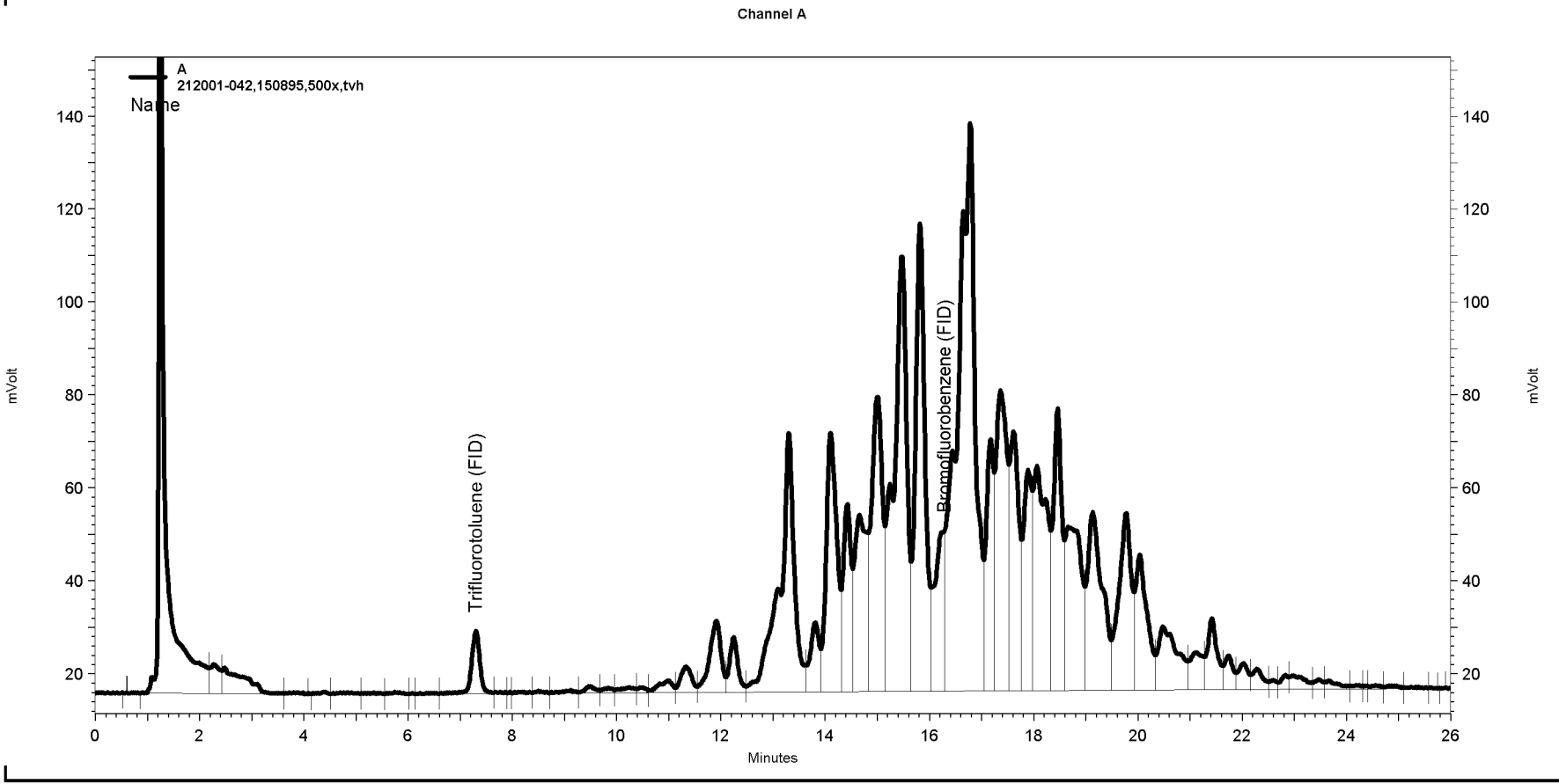
Software Version 3.1.7

Run Date: 5/13/2009 12:09:49 PM

Analysis Date: 5/13/2009 12:41:20 PM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



No items selected for this section

No items selected for this section

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\GC19\Data\132_043

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.294	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-043;150895,5x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_057

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\lvhbtxe\MTBEsingle128.met

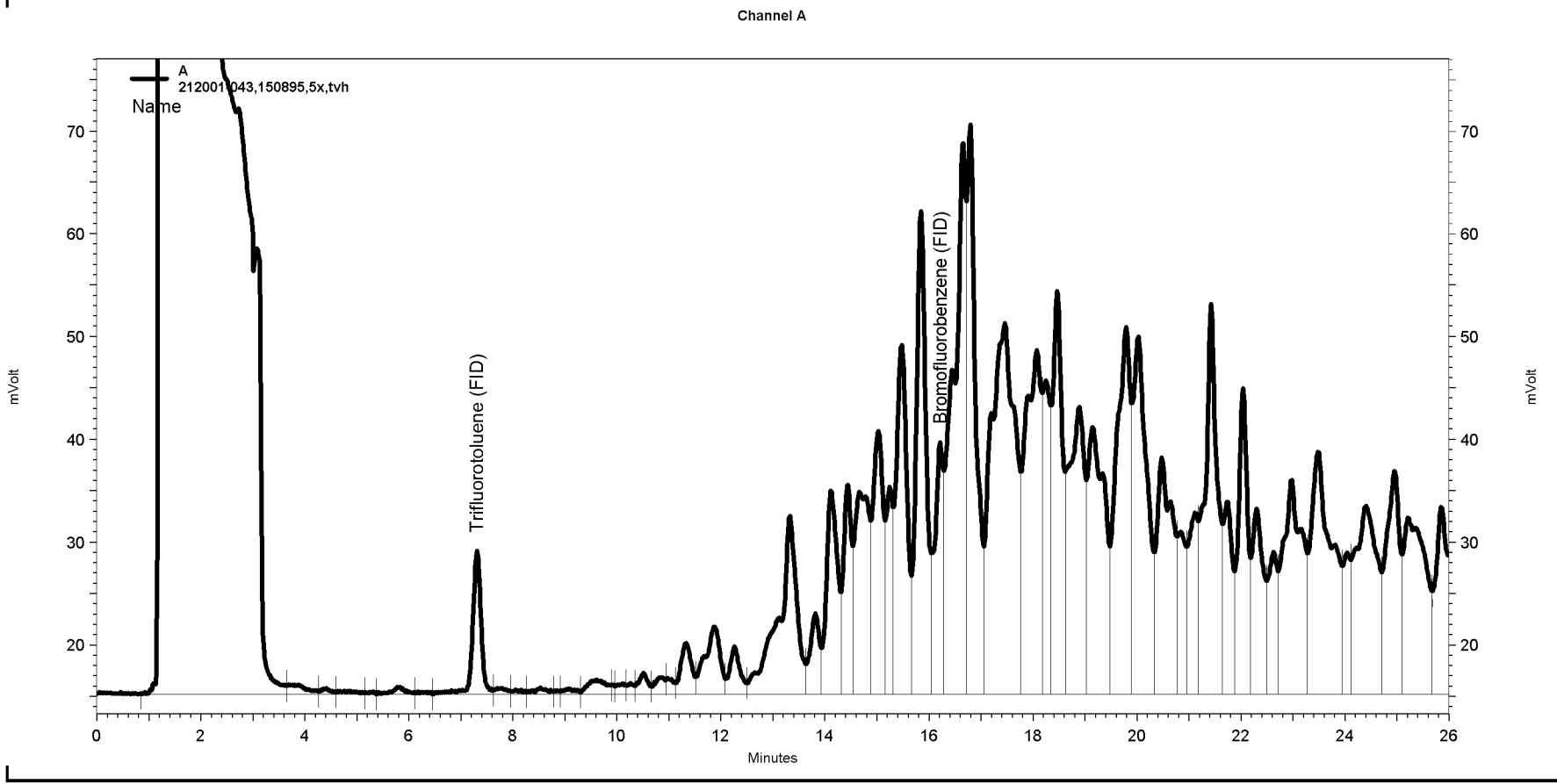
Software Version 3.1.7

Run Date: 5/13/2009 8:55:04 PM

Analysis Date: 5/14/2009 9:29:13 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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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\GC19\Data\132_057				
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0.435	26.017	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-044,150895,100x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_013

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\lvhbtxe\MTBEsingle128.met

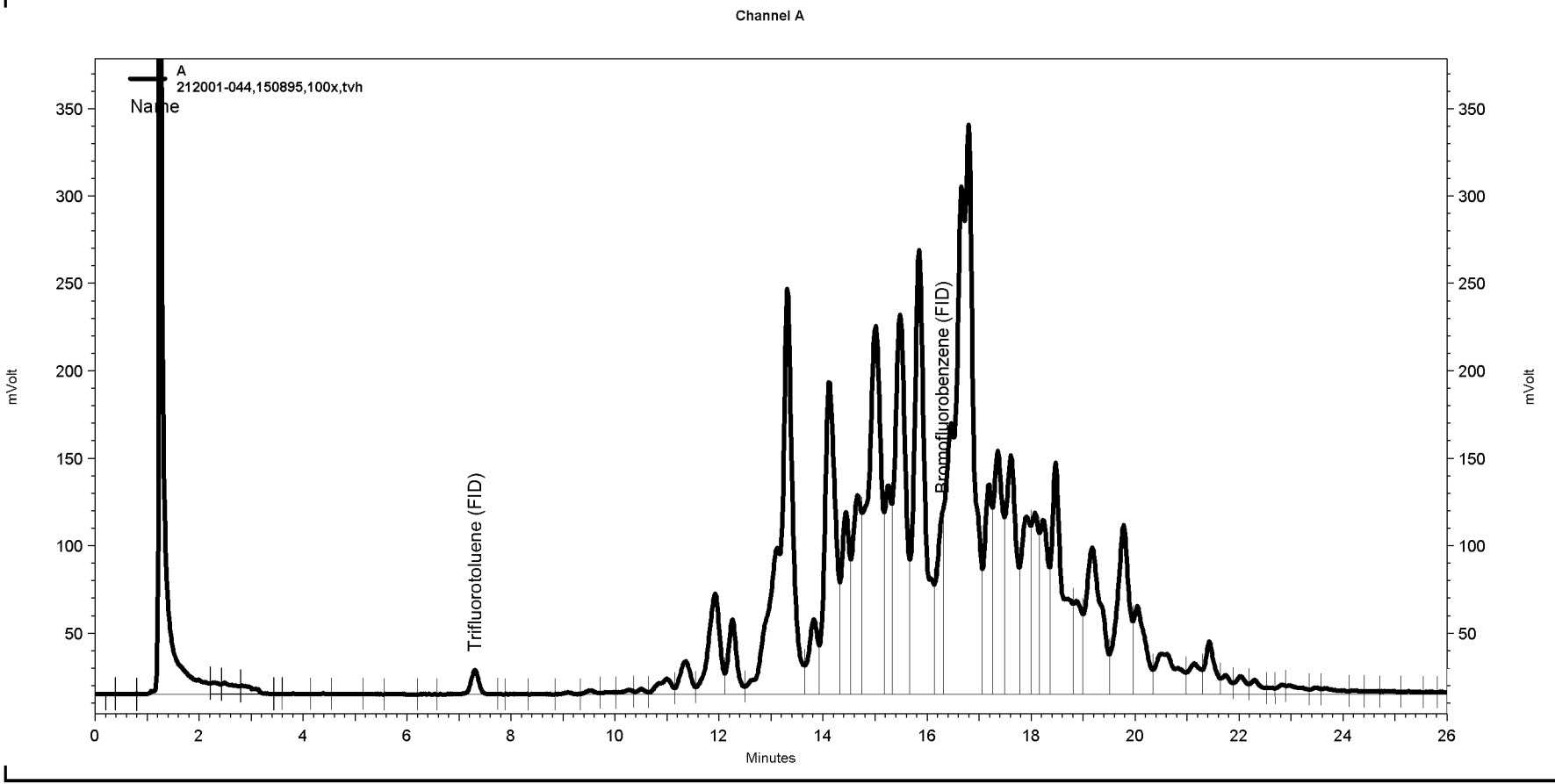
Software Version 3.1.7

Run Date: 5/12/2009 5:22:30 PM

Analysis Date: 5/13/2009 8:06:44 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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No items selected for this section

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Integration Events
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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\GC19\Data\132_013

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Base	0	26.017	0
Yes	Split Peak	16.318	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-045,150895,50x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_041

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\Tvh\txe\MTBEsingle128.met

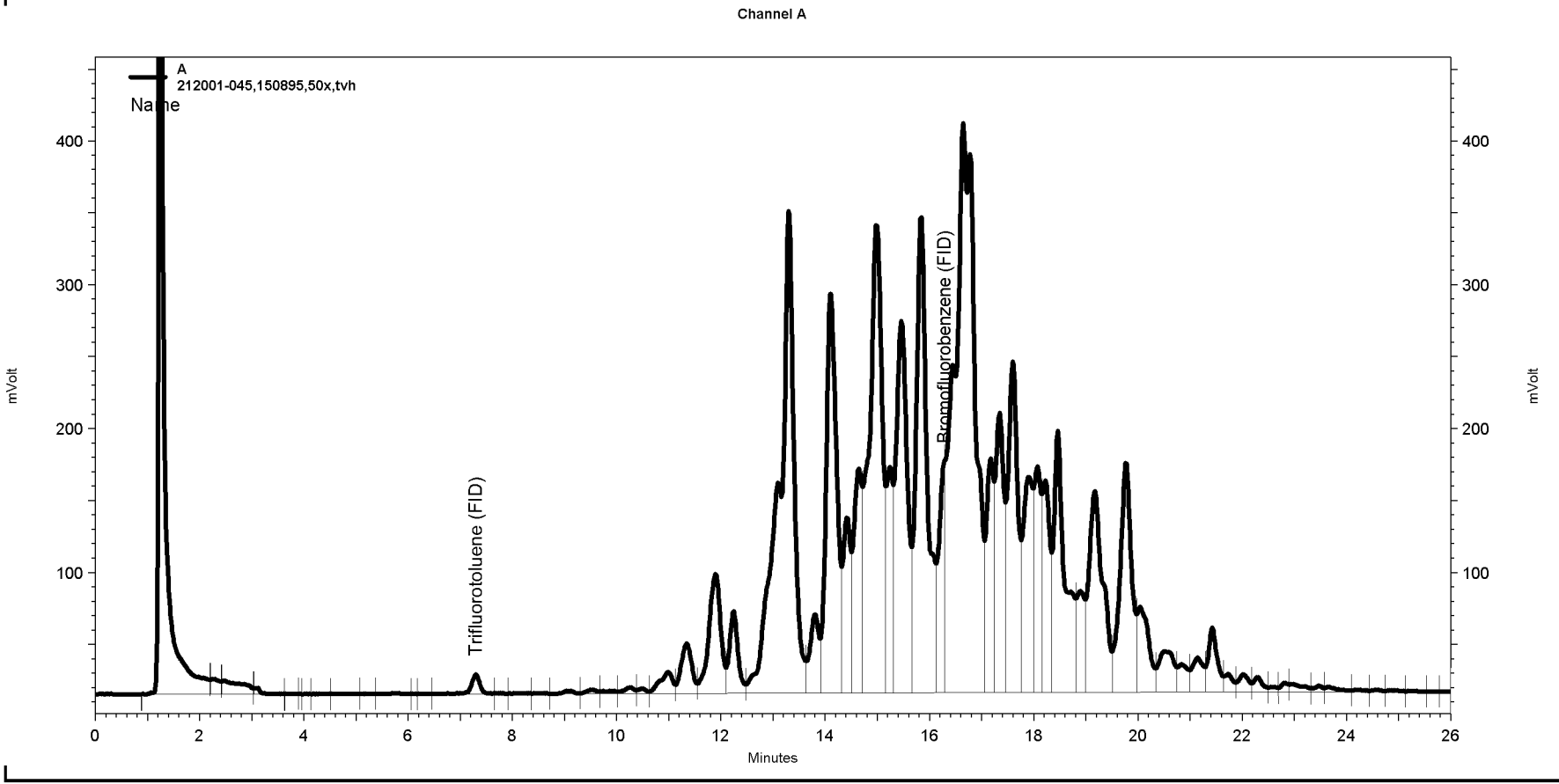
Software Version 3.1.7

Run Date: 5/13/2009 10:54:50 AM

Analysis Date: 5/13/2009 11:27:00 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



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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\GC19\Data\132_041

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.306	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-046,150895,500x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_040

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\lvhbtxe\MTBEsingle128.met

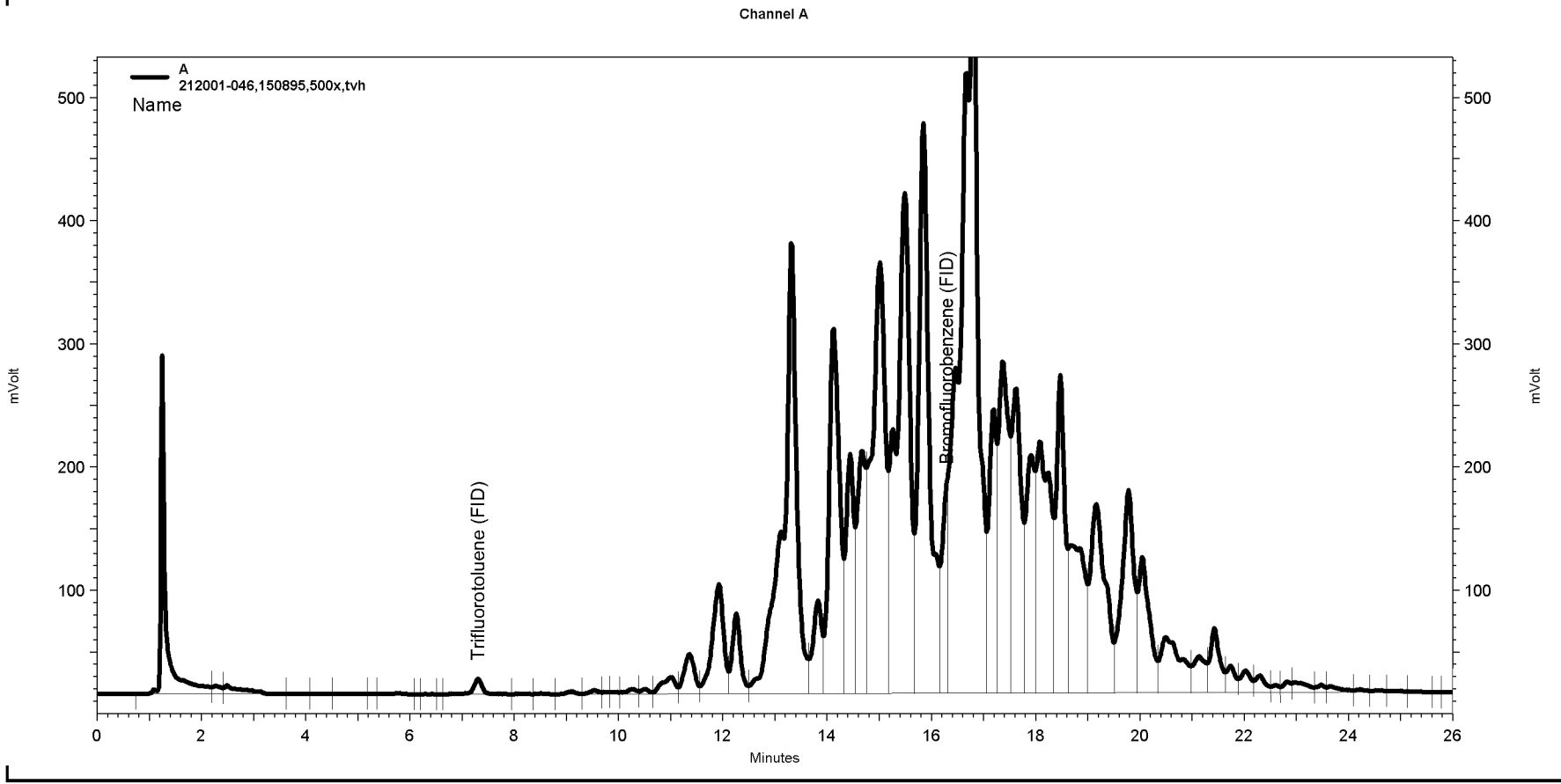
Software Version 3.1.7

Run Date: 5/13/2009 10:17:18 AM

Analysis Date: 5/13/2009 10:47:50 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



No items selected for this section

No items selected for this section

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\GC19\Data\132_040

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	16.319	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\132.seq

Sample Name: 212001-047,150895,10x,tvh

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_011

Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2, Analyst (lims2k3\tvh2)

Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\TVH\txe\MTBEsingle128.met

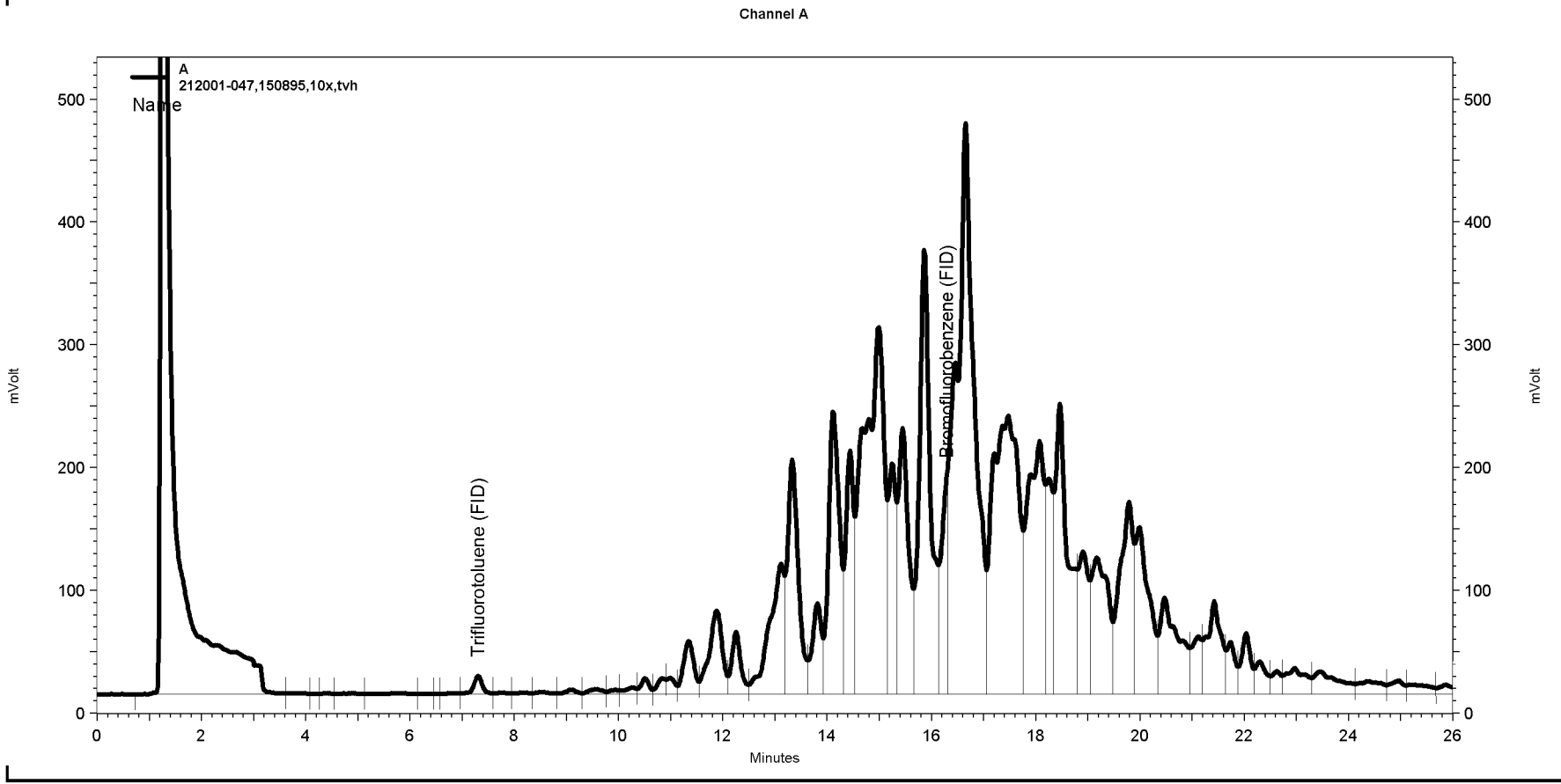
Software Version 3.1.7

Run Date: 5/12/2009 4:07:15 PM

Analysis Date: 5/13/2009 8:04:48 AM

Sample Amount: 1 Multiplier: 1

Vial & pH or Core ID: a



No items selected for this section

No items selected for this section

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

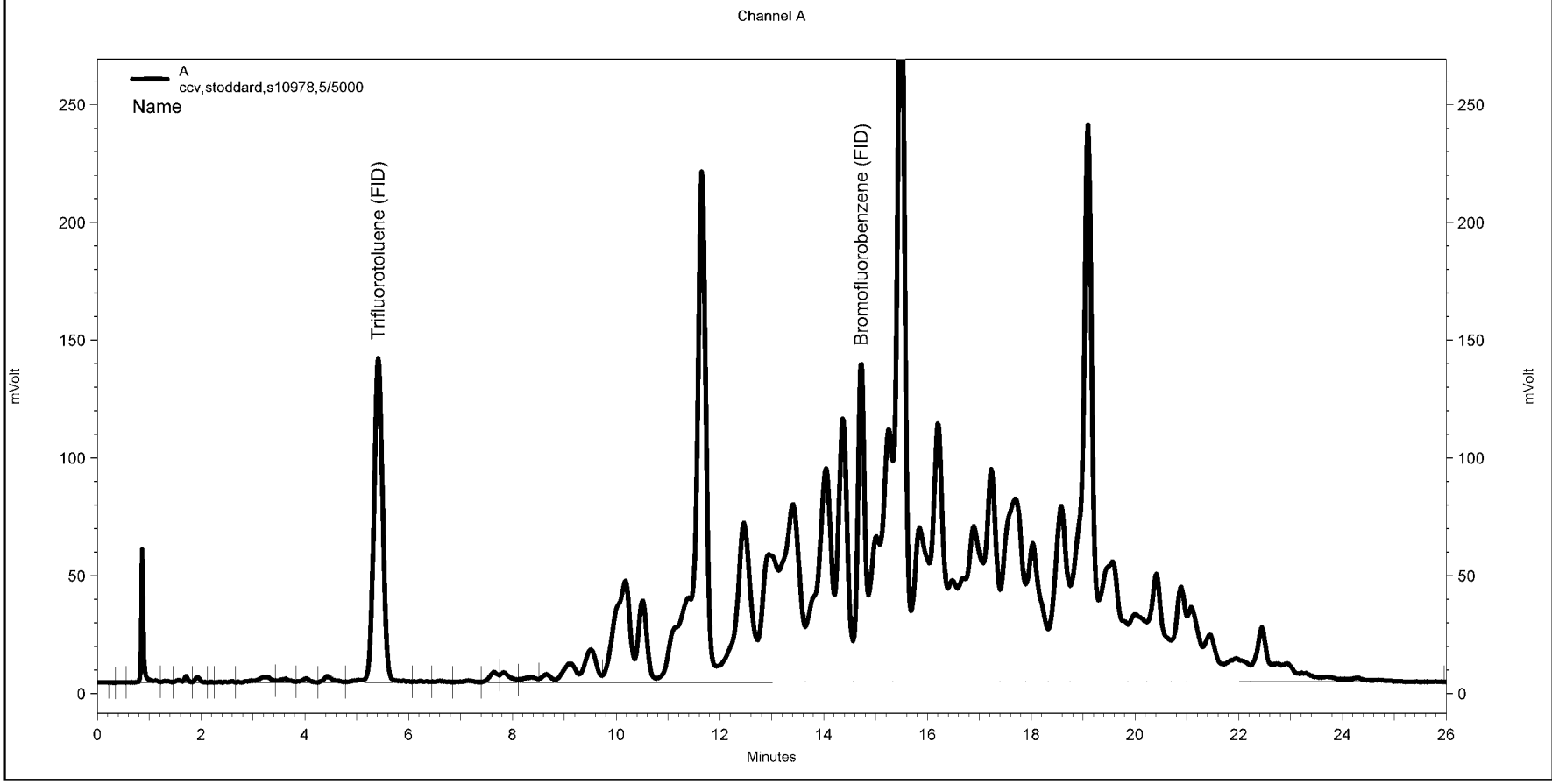
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\132_011

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseline	0	26.017	0
Yes	Split Peak	16.319	0	0

Sequence File: \\lims\gdrive\ezchrom\Projects\GC05\Sequence129.seq
Sample Name: ccv,stoddard,s10978,5/5000
Data File: \\lims\gdrive\ezchrom\Projects\GC05\Data129_024
Instrument: GC05 Vial: N/A Operator: lims2k3\trh3
Method Name: \\lims\gdrive\ezchrom\Projects\GC05\Method\trhbtxe127.met

Software Version 3.1.7
Run Date: 5/9/2009 9:05:45 PM
Analysis Date: 5/9/2009 9:34:30 PM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: {Data Description}



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

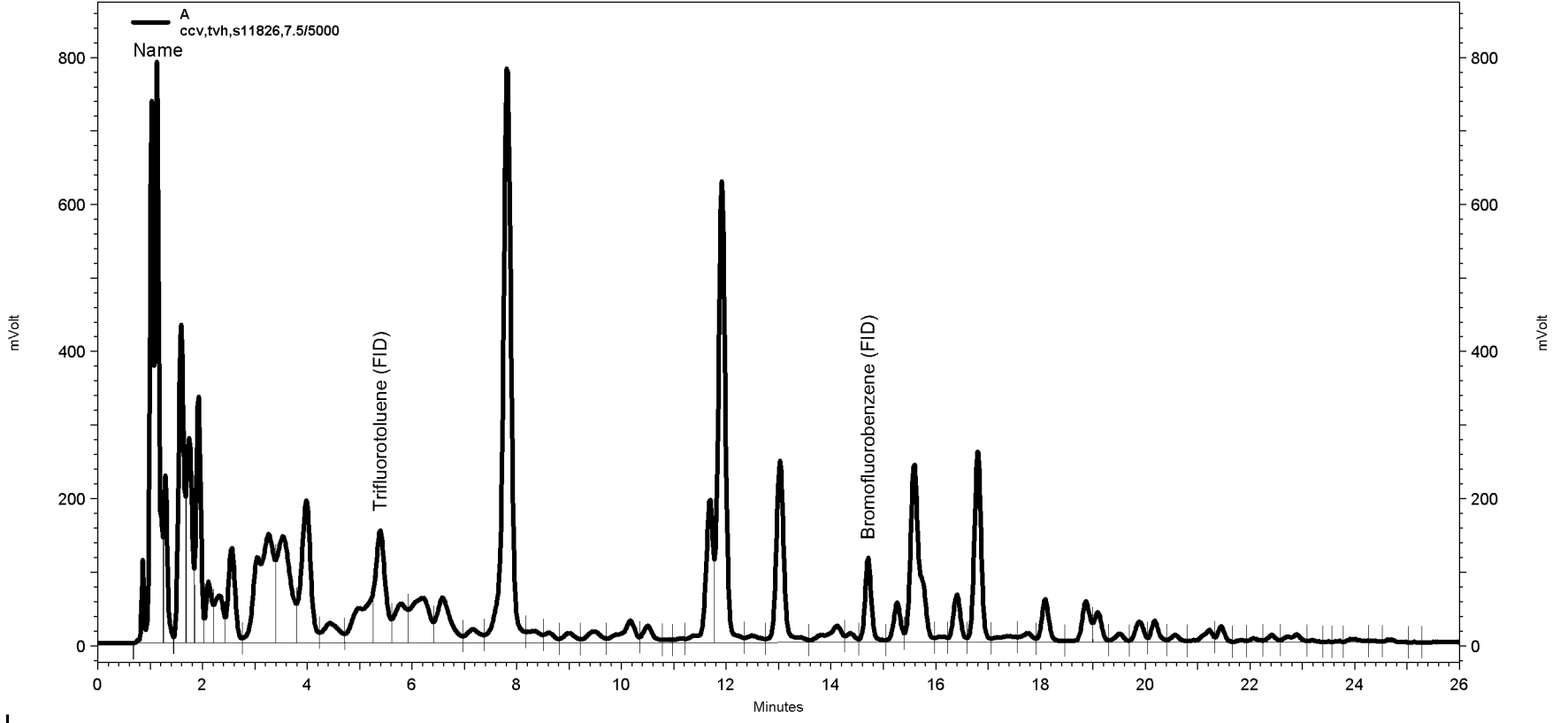
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Manual Integration Fixes
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Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\129_024_5F3E.tmp

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

Sequence File: \\lms\gdrive\ezchrom\Projects\GC05\Sequence\129.seq
Sample Name: ccv,tvh,s11826,7.5/5000
Data File: \\lms\gdrive\ezchrom\Projects\GC05\Data\129_019
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lms2k3\th2)
Method Name: \\lms\gdrive\ezchrom\Projects\GC05\Method\tr\hbxe127.met

Software Version 3.1.7
Run Date: 5/9/2009 6:08:01 PM
Analysis Date: 5/11/2009 6:27:37 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



< General Method Parameters >

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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: \\lms\gdrive\ezchrom\Projects\GC05\Data\129_019

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.262	0	0

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Prepared:	05/11/09
Batch#:	150873		

Field ID: SB-1 Diln Fac: 1.000
 Type: SAMPLE Sampled: 05/05/09
 Lab ID: 212001-048 Analyzed: 05/15/09

Analyte	Result	RL
Diesel C10-C24	9,100 Y	50

Surrogate	%REC	Limits
o-Terphenyl	67	61-127

Field ID: SB-2 Diln Fac: 1.000
 Type: SAMPLE Sampled: 05/06/09
 Lab ID: 212001-049 Analyzed: 05/13/09

Analyte	Result	RL
Diesel C10-C24	2,800 Y	50

Surrogate	%REC	Limits
o-Terphenyl	83	61-127

Field ID: SB-4 Diln Fac: 20.00
 Type: SAMPLE Sampled: 05/06/09
 Lab ID: 212001-050 Analyzed: 05/13/09

Analyte	Result	RL
Diesel C10-C24	130,000 Y	1,000

Surrogate	%REC	Limits
o-Terphenyl	DO	61-127

Field ID: SB-5 Diln Fac: 1.000
 Type: SAMPLE Sampled: 05/06/09
 Lab ID: 212001-051 Analyzed: 05/15/09

Analyte	Result	RL
Diesel C10-C24	500 Y	50

Surrogate	%REC	Limits
o-Terphenyl	12 *	61-127

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Prepared:	05/11/09
Batch#:	150873		

Field ID:	SB-7	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-052	Analyzed:	05/15/09

Analyte	Result	RL
Diesel C10-C24	650 Y	50
Surrogate	%REC	Limits
o-Terphenyl	86	61-127

Field ID:	SB-8	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-053	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	590 Y	50
Surrogate	%REC	Limits
o-Terphenyl	94	61-127

Field ID:	SB-9	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-054	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	13,000 Y	50
Surrogate	%REC	Limits
o-Terphenyl	70	61-127

Field ID:	SB-10	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-055	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	2,400 Y	50
Surrogate	%REC	Limits
o-Terphenyl	98	61-127

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Prepared:	05/11/09
Batch#:	150873		

Field ID:	SB-11	Diln Fac:	50.00
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-056	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	830,000 Y	2,500
Surrogate	%REC	Limits
o-Terphenyl	DO	61-127

Field ID:	SB-12	Diln Fac:	50.00
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-057	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	340,000 Y	2,500
Surrogate	%REC	Limits
o-Terphenyl	DO	61-127

Field ID:	SB-13	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-058	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	9,500 Y	50
Surrogate	%REC	Limits
o-Terphenyl	55 *	61-127

Field ID:	SB-15	Diln Fac:	25.00
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-060	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	1,300,000 Y	2,500
Surrogate	%REC	Limits
o-Terphenyl	DO	61-127

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Prepared:	05/11/09
Batch#:	150873		

Field ID:	SB-16	Diln Fac:	100.0
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-061	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	430,000 Y	5,000

Surrogate	%REC	Limits
o-Terphenyl	DO	61-127

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495426	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	105	61-127

*= Value outside of QC limits; see narrative
 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	150873
Units:	ug/L	Prepared:	05/11/09
Diln Fac:	1.000	Analyzed:	05/12/09

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC495427

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,282	91	50-120

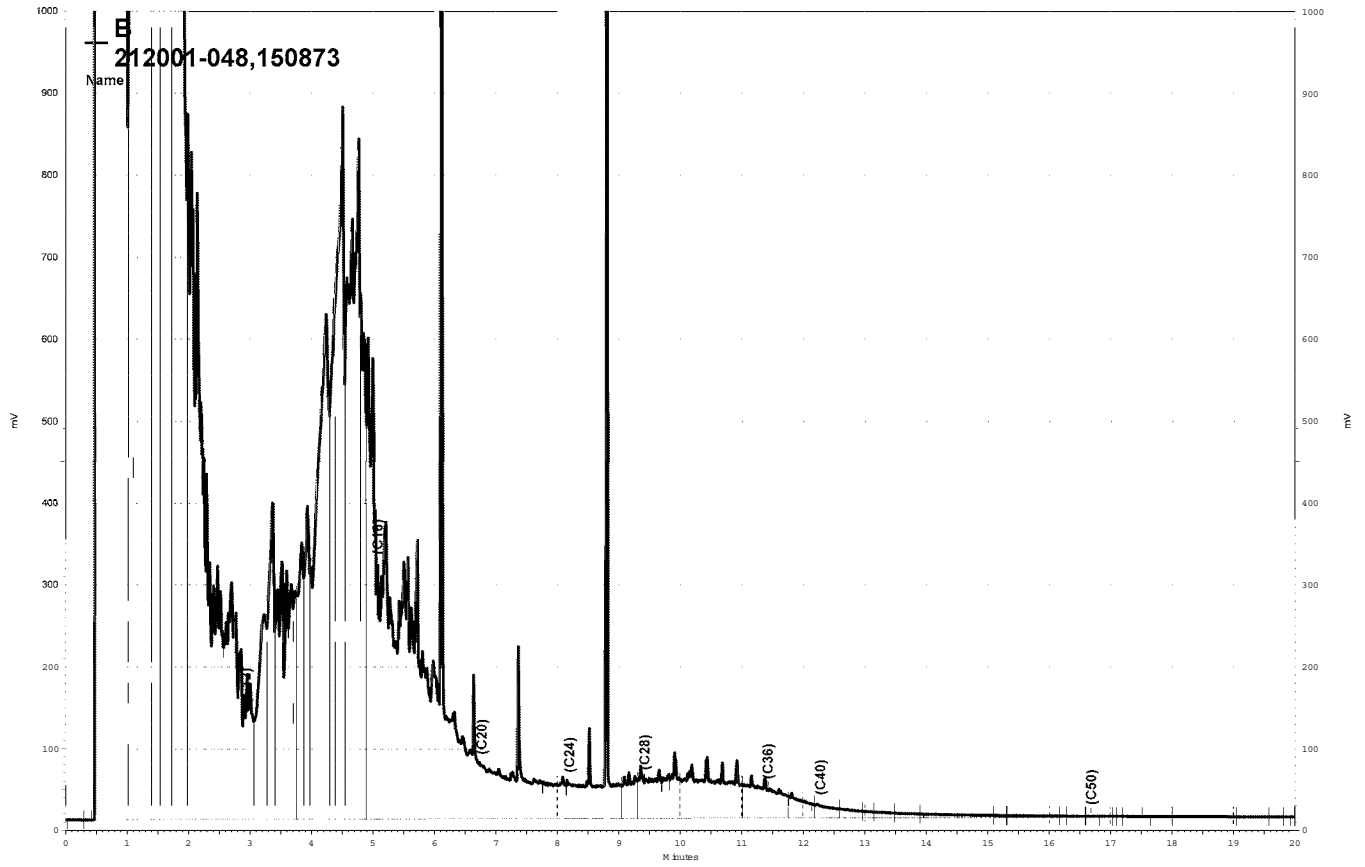
Surrogate	%REC	Limits
o-Terphenyl	101	61-127

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC495428

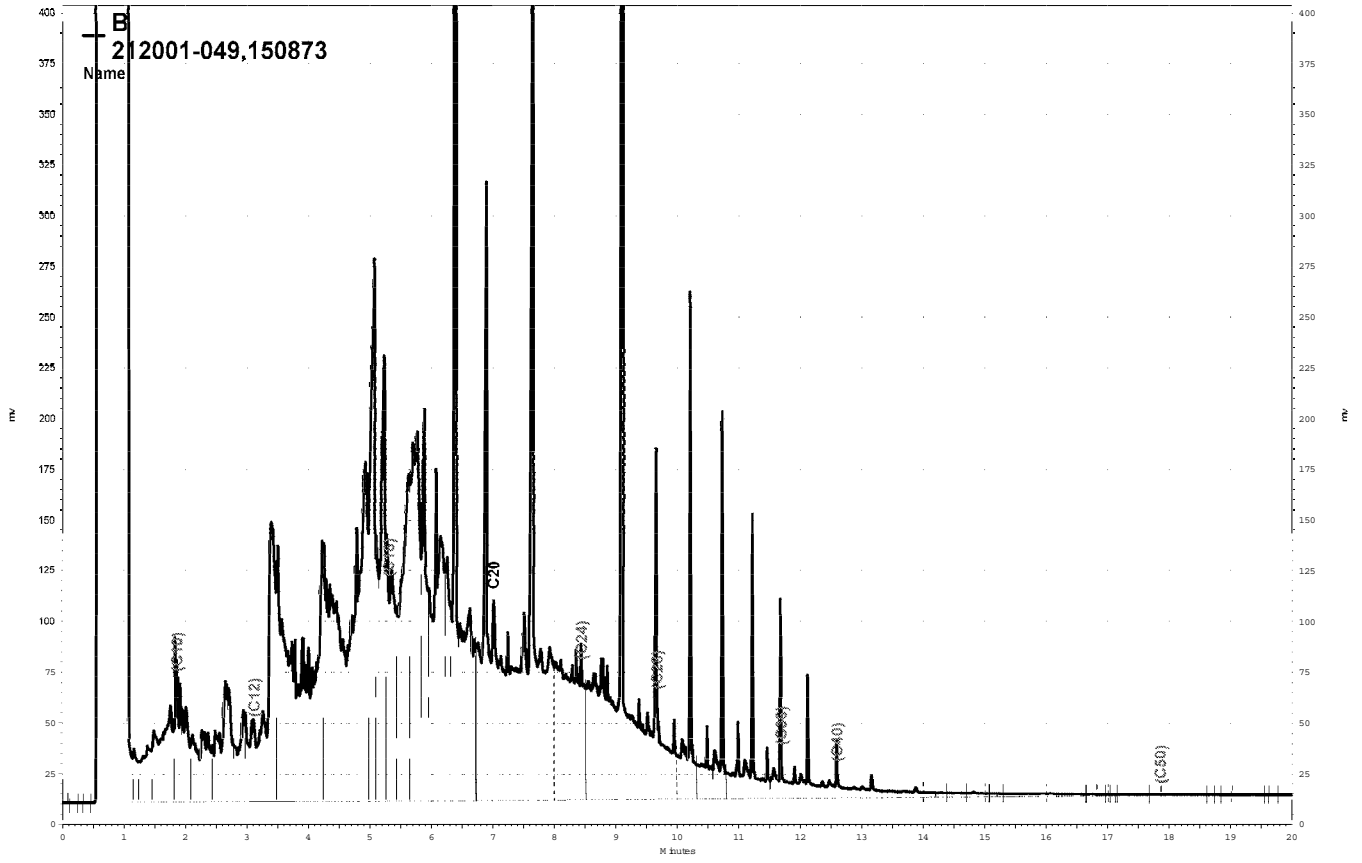
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,241	90	50-120	2	37

Surrogate	%REC	Limits
o-Terphenyl	98	61-127

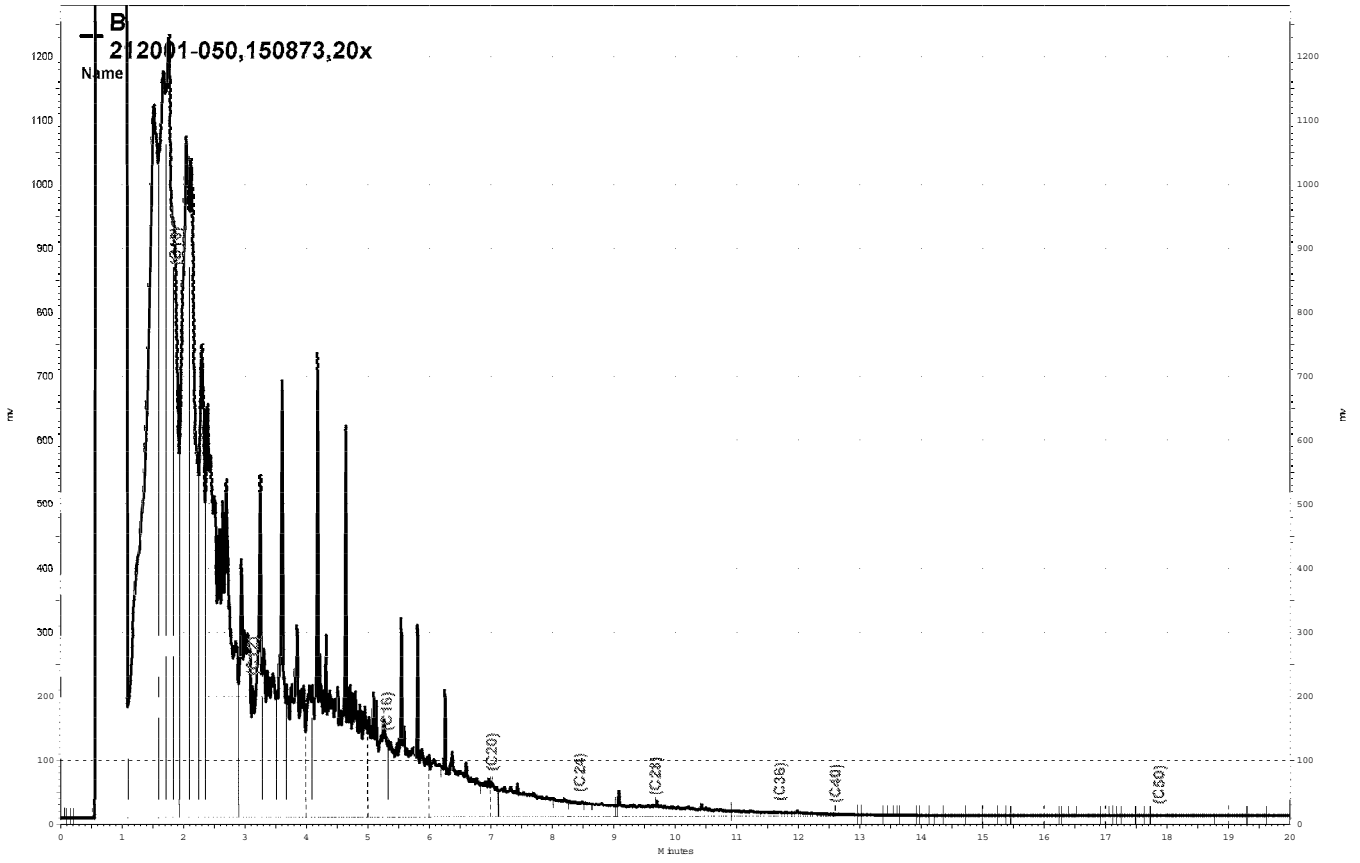
RPD= Relative Percent Difference



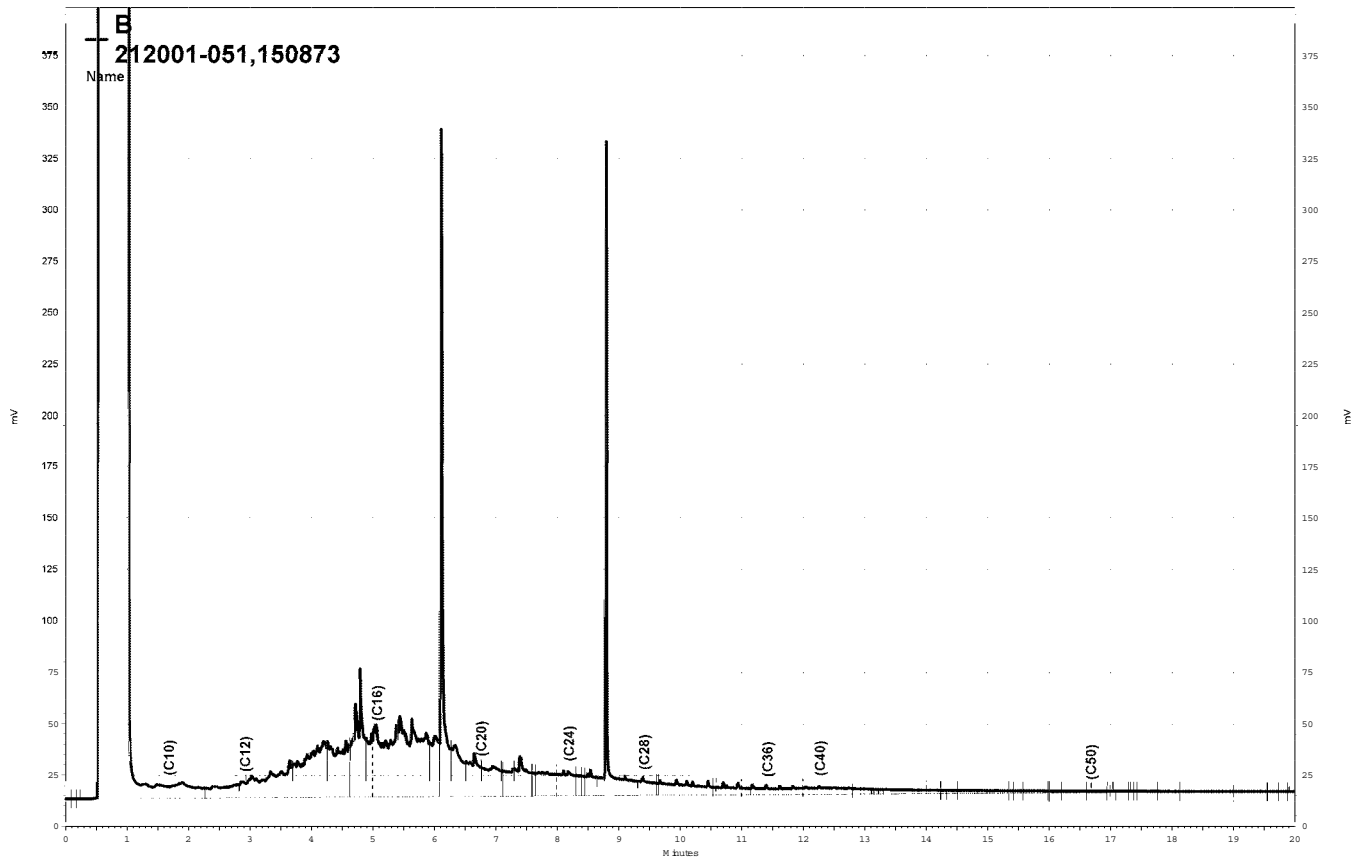
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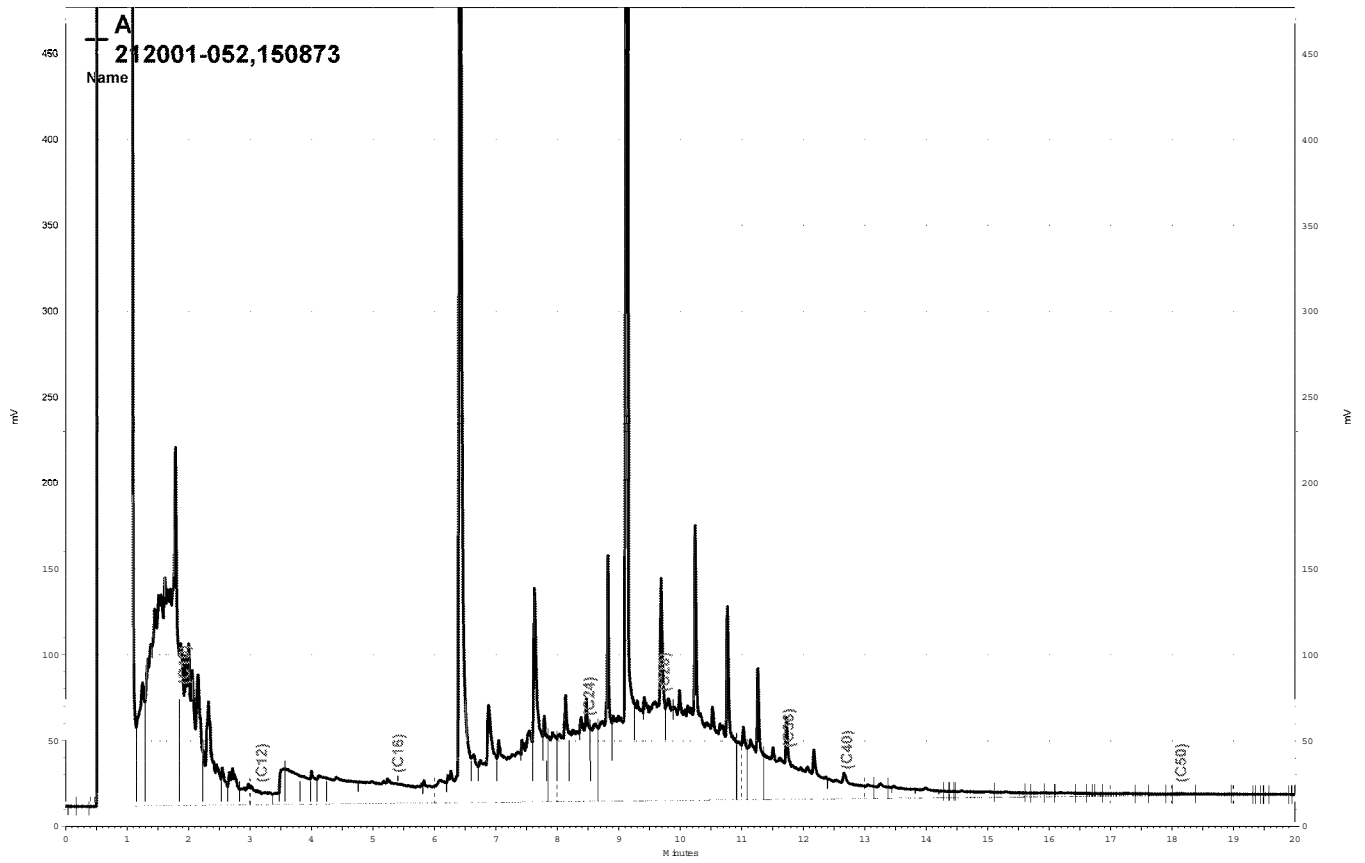
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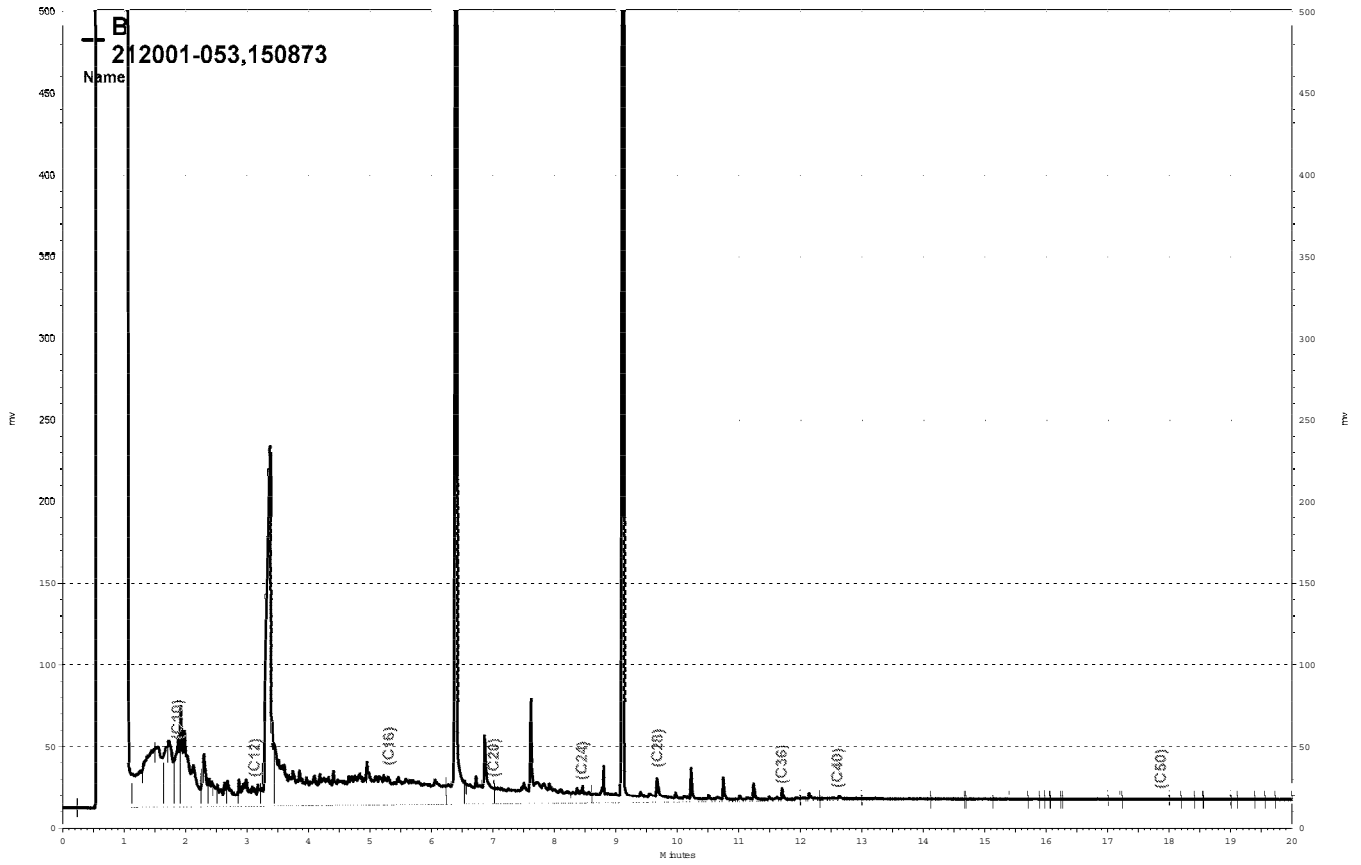
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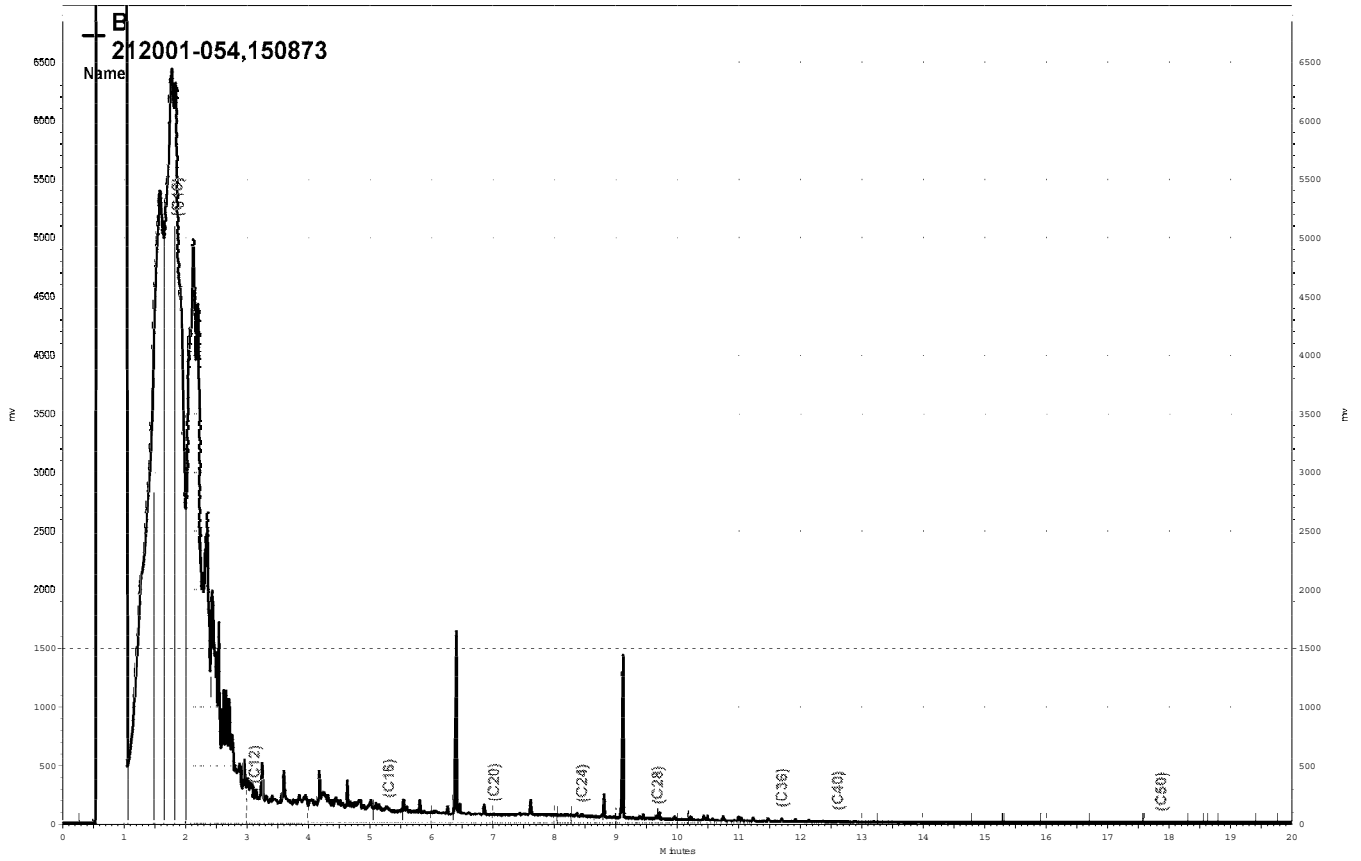
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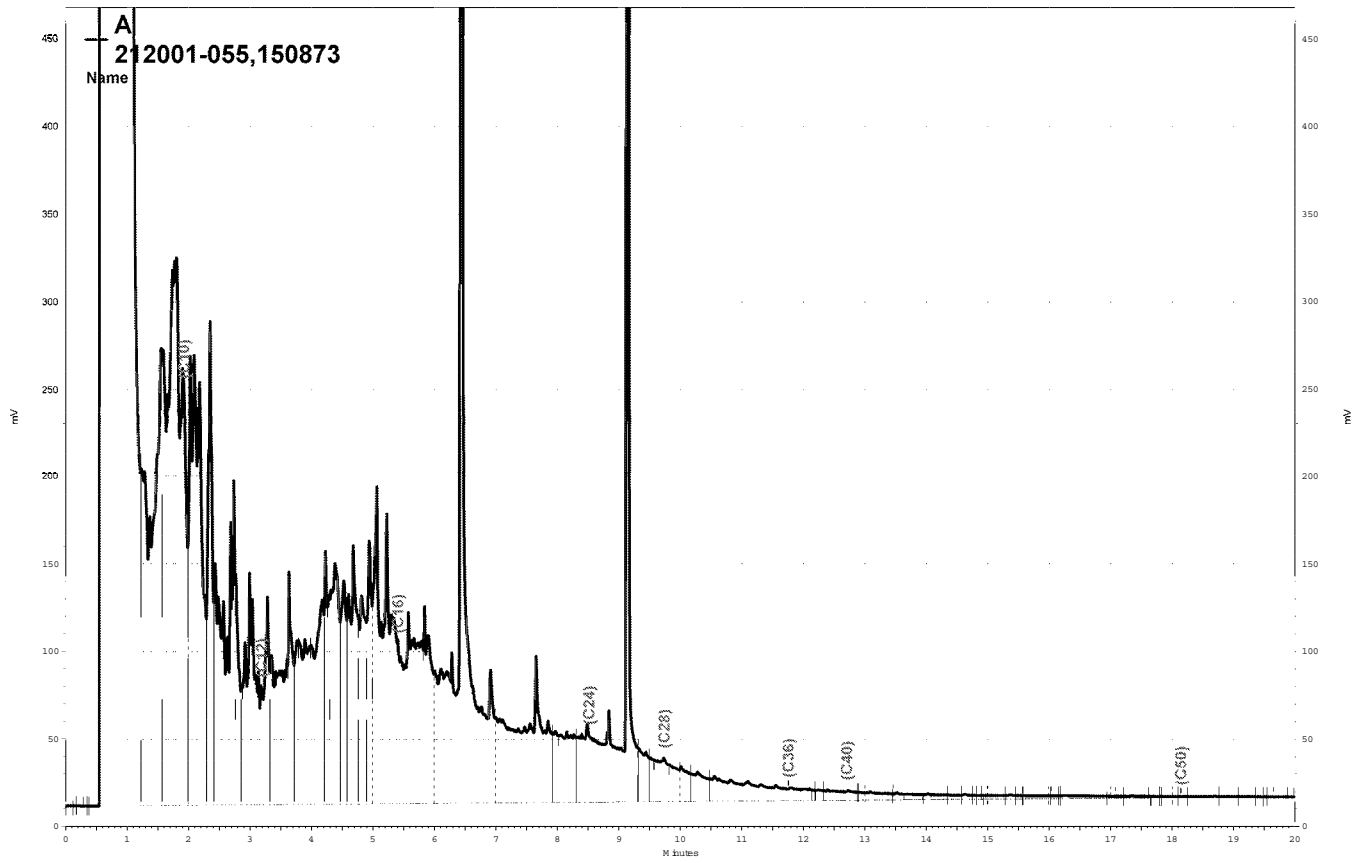
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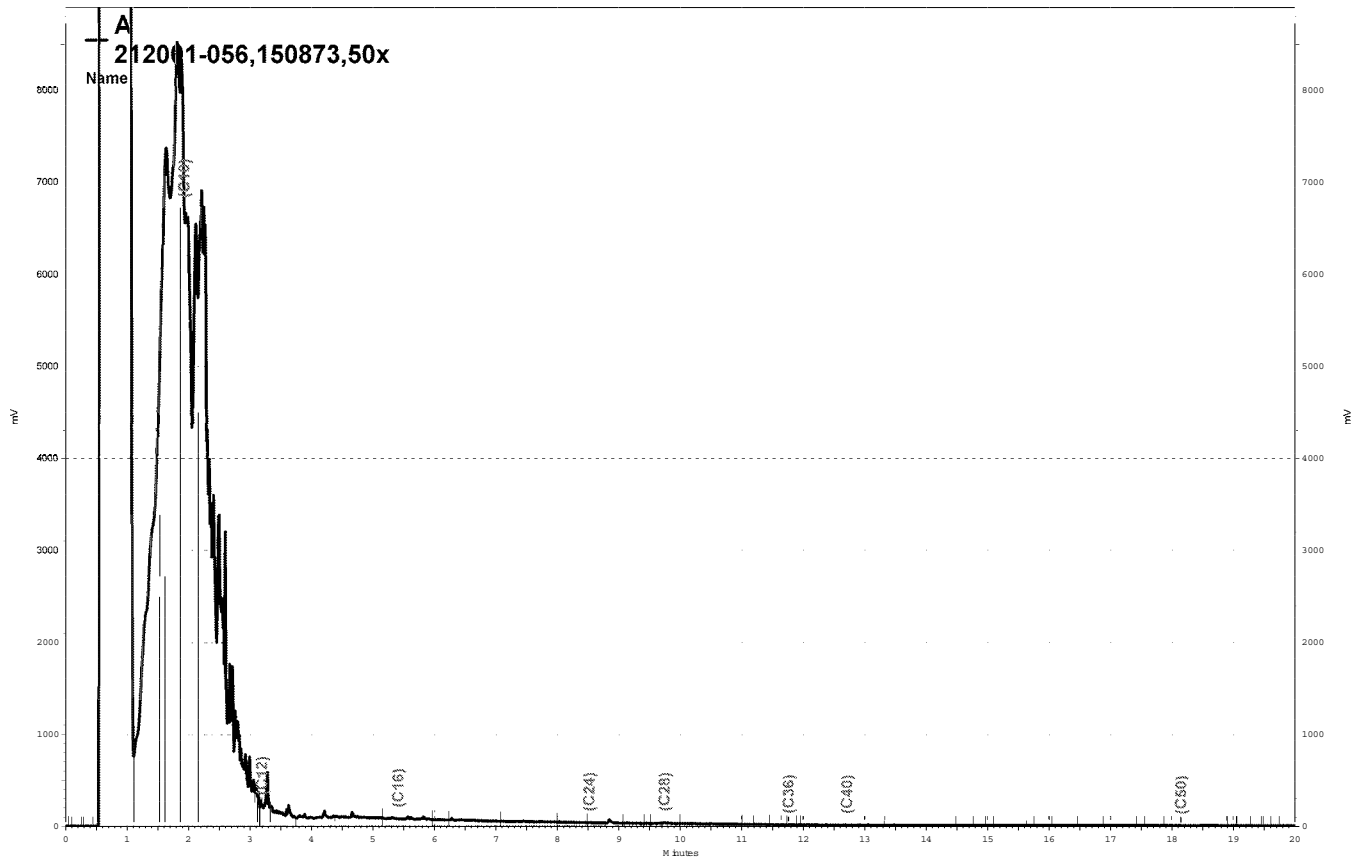
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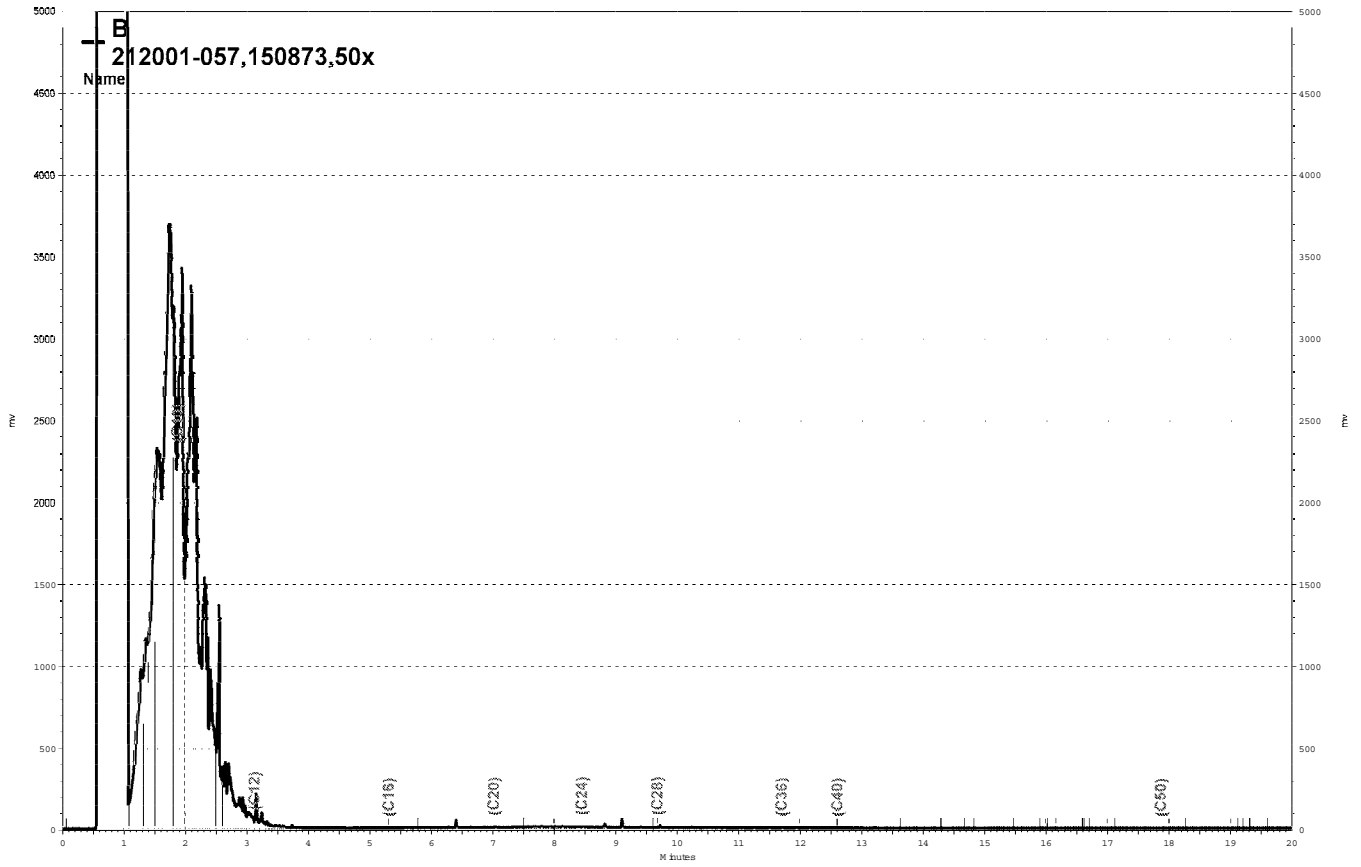
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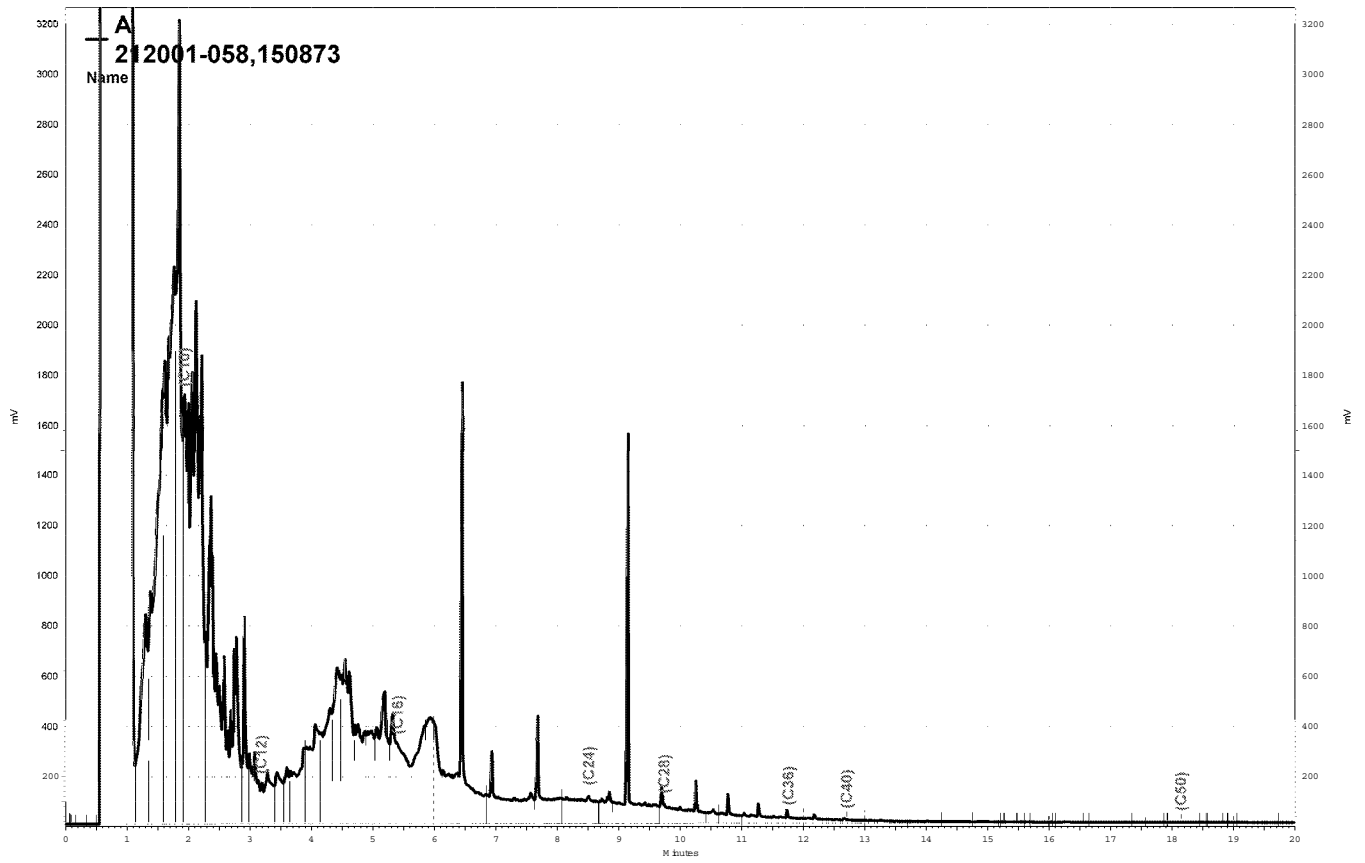
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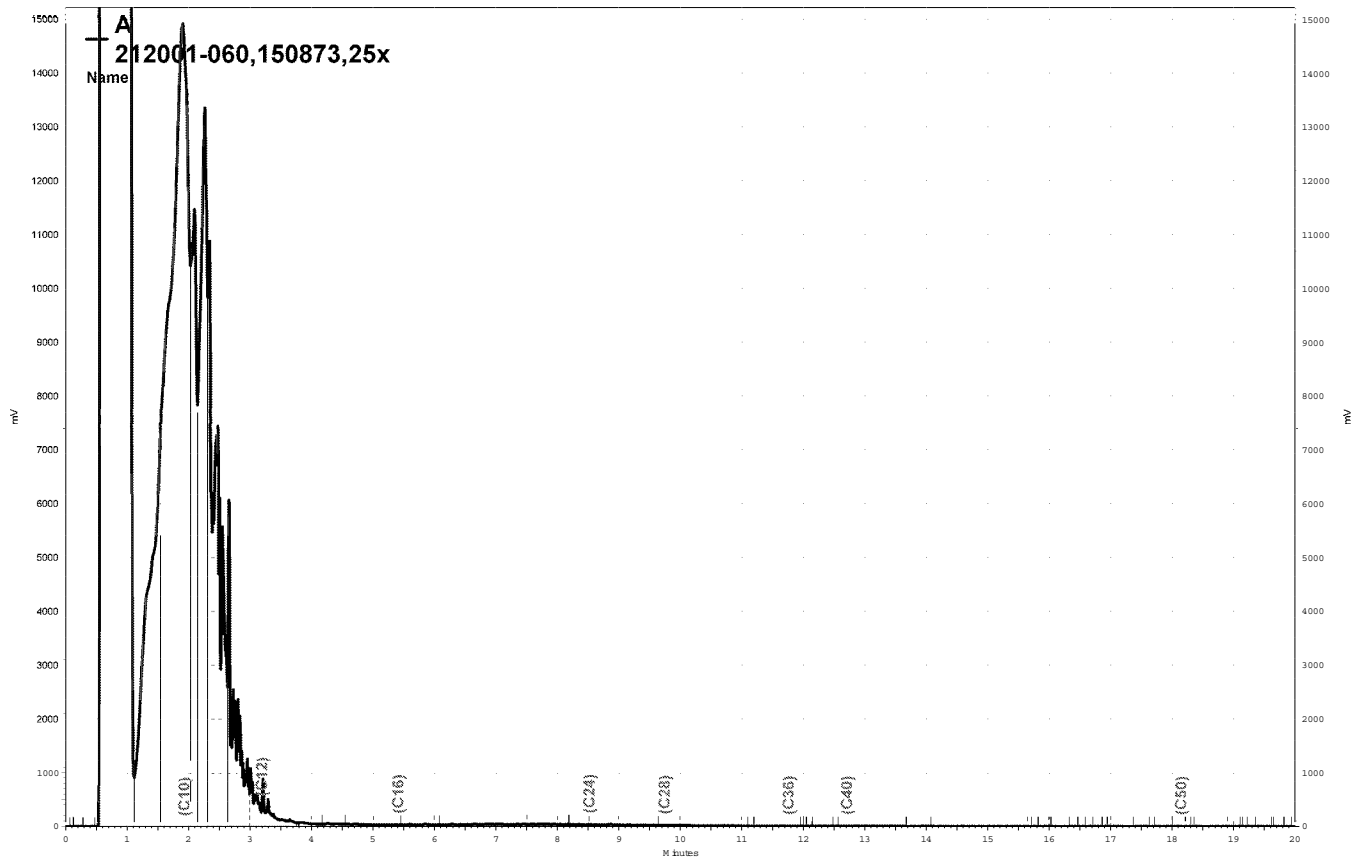
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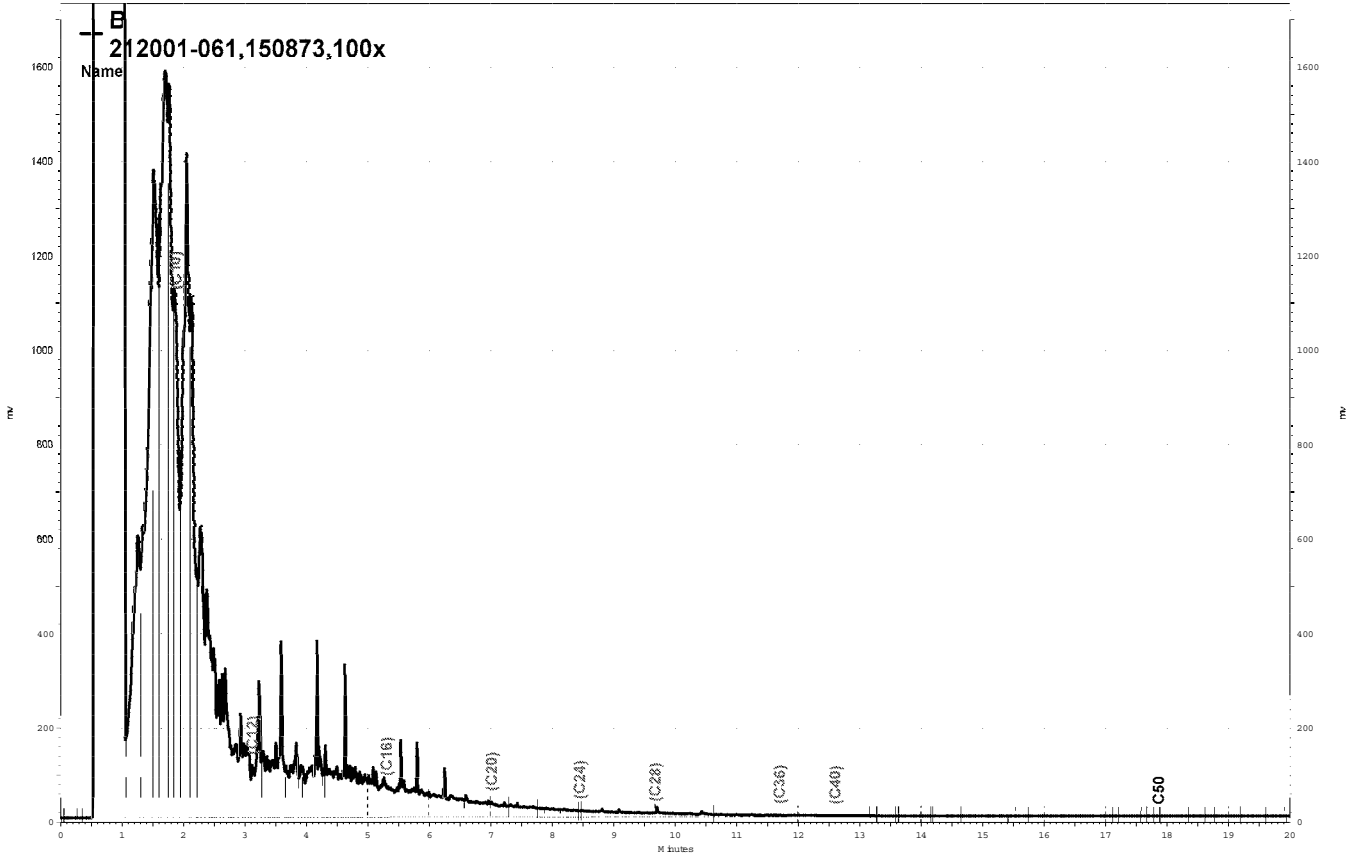
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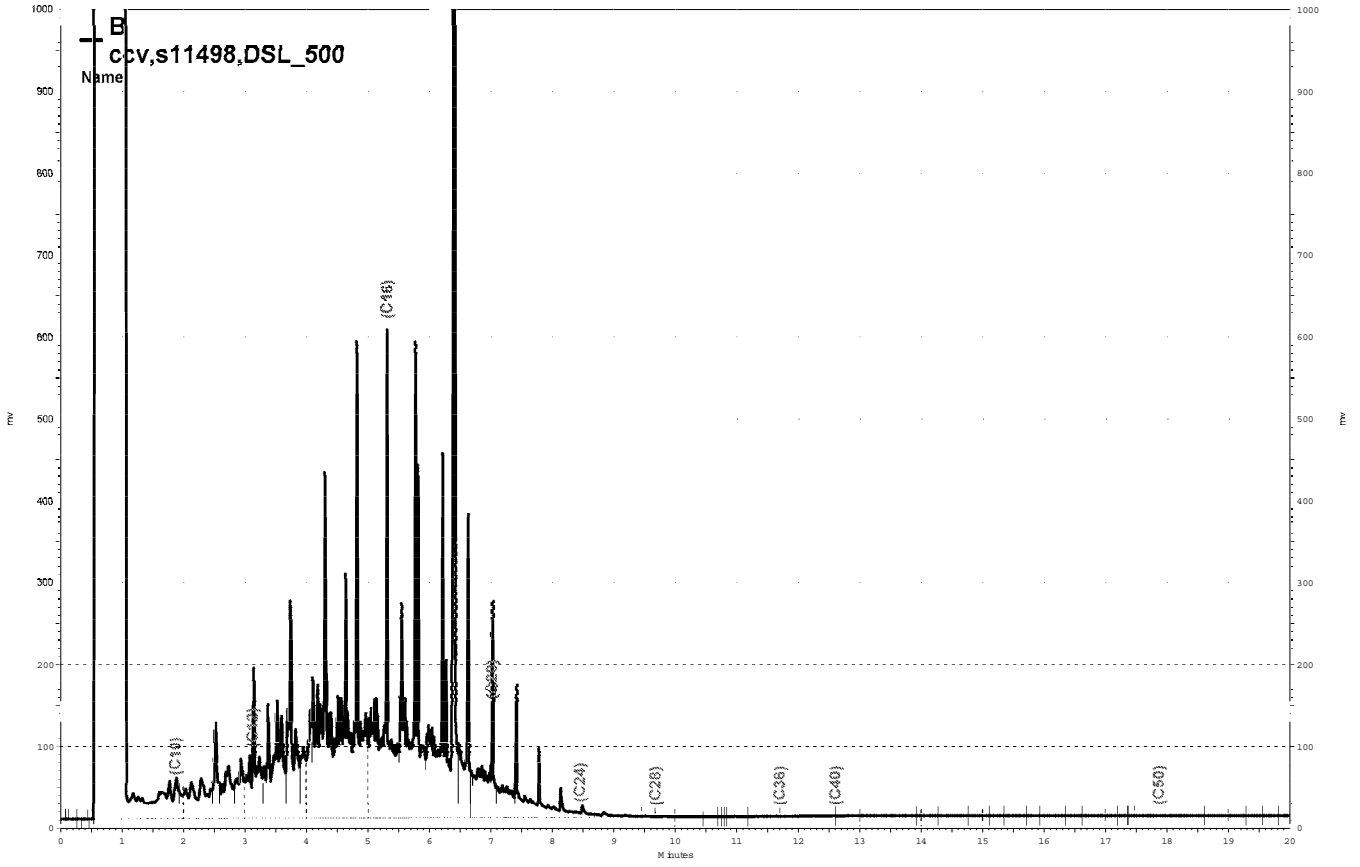
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Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-1@5FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-001	Prepared:	05/08/09
Diln Fac:	5.000	Analyzed:	05/15/09

Analyte	Result	RL
Diesel C10-C24	8.4 Y	5.0

Surrogate	%REC	Limits
o-Terphenyl	112	53-133

Field ID:	SB-1@8FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-002	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	12 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-1@11FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-003	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	16 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	110	53-133

Field ID:	SB-1@15FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-004	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	36 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	93	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-1@18FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-005	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	670 Y	1.0
Surrogate	%REC	Limits
o-Terphenyl	88	53-133

Field ID:	SB-2@13FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-006	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/15/09

Analyte	Result	RL
Diesel C10-C24	1.0 Y	1.0
Surrogate	%REC	Limits
o-Terphenyl	105	53-133

Field ID:	SB-4@12FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-007	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	74 Y	1.0
Surrogate	%REC	Limits
o-Terphenyl	90	53-133

Field ID:	SB-4@14FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-008	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/15/09

Analyte	Result	RL
Diesel C10-C24	100 Y	1.0
Surrogate	%REC	Limits
o-Terphenyl	118	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-4@16FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-009	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	14 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	130	53-133

Field ID:	SB-5@12FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-010	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/15/09

Analyte	Result	RL
Diesel C10-C24	410 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	98	53-133

Field ID:	SB-7@8FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-011	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	740 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-7@11FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-012	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	910 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-7@13FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-013	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	970 Y	9.9

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-8@8FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-014	Prepared:	05/08/09
Diln Fac:	2.000	Analyzed:	05/14/09

Analyte	Result	RL
Diesel C10-C24	410 Y	2.0

Surrogate	%REC	Limits
o-Terphenyl	99	53-133

Field ID:	SB-8@11FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-015	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	470 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-8@13FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-016	Prepared:	05/08/09
Diln Fac:	3.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	460 Y	3.0

Surrogate	%REC	Limits
o-Terphenyl	118	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-9@5FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-017	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/14/09

Analyte	Result	RL
Diesel C10-C24	2.1 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	106	53-133

Field ID:	SB-9@8FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-018	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/15/09

Analyte	Result	RL
Diesel C10-C24	560 Y	9.9

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-9@11FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-019	Prepared:	05/08/09
Diln Fac:	10.00	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	850 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-9@13FT	Batch#:	150804
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-020	Prepared:	05/08/09
Diln Fac:	3.000	Analyzed:	05/13/09

Analyte	Result	RL
Diesel C10-C24	350 Y	3.0

Surrogate	%REC	Limits
o-Terphenyl	86	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-10@5FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-021	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/11/09

Analyte	Result	RL
Diesel C10-C24	9.4 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	60	53-133

Field ID:	SB-10@8FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-022	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/11/09

Analyte	Result	RL
Diesel C10-C24	350 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	86	53-133

Field ID:	SB-10@11FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-023	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/11/09

Analyte	Result	RL
Diesel C10-C24	350 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	57	53-133

Field ID:	SB-10@12.5FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-024	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	500 Y	9.9

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-11@5FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-025	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	2.0 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	81	53-133

Field ID:	SB-11@8FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-026	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	670 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-11@10FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-027	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	670 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-11@12FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/04/09
Lab ID:	212001-028	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	130 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	90	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-12@5FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-029	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	430 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	77	53-133

Field ID:	SB-12@8FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-030	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	230 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	59	53-133

Field ID:	SB-12@11FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-031	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	750 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	70	53-133

Field ID:	SB-12@13FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-032	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	150 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	73	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-13@7FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-033	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	1,300 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-13@11FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-034	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	69 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	75	53-133

Field ID:	SB-13@13FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-035	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	170 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	86	53-133

Field ID:	SB-13@16FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-036	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	77	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-14@5FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-037	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	3.5 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	70	53-133

Field ID:	SB-14@8FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-038	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	130 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	71	53-133

Field ID:	SB-14@11FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-039	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	220 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	77	53-133

Field ID:	SB-15@5FT	Batch#:	150845
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-040	Prepared:	05/09/09
Diln Fac:	20.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	1,800 Y	20

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-15@8FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-041	Prepared:	05/09/09
Diln Fac:	25.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	2,100 Y	25
Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-15@11FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-042	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	940 Y	10
Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-15@14FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/05/09
Lab ID:	212001-043	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	2.1 Y	0.99
Surrogate	%REC	Limits
o-Terphenyl	66	53-133

Field ID:	SB-16@5FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-044	Prepared:	05/09/09
Diln Fac:	5.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	460 Y	5.0
Surrogate	%REC	Limits
o-Terphenyl	71	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Field ID:	SB-16@8FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-045	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	1,100 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-16@11FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-046	Prepared:	05/09/09
Diln Fac:	10.00	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	790 Y	10

Surrogate	%REC	Limits
o-Terphenyl	DO	53-133

Field ID:	SB-16@14FT	Batch#:	150844
Type:	SAMPLE	Sampled:	05/06/09
Lab ID:	212001-047	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/11/09

Analyte	Result	RL
Diesel C10-C24	210 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	90	53-133

Type:	BLANK	Batch#:	150804
Lab ID:	QC495153	Prepared:	05/08/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	154 *	53-133

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

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	05/07/09

Type:	BLANK	Batch#:	150844
Lab ID:	QC495323	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/12/09

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	89	53-133

Type:	BLANK	Batch#:	150845
Lab ID:	QC495327	Prepared:	05/09/09
Diln Fac:	1.000	Analyzed:	05/11/09

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	96	53-133

*= Value outside of QC limits; see narrative
 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 #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC495324	Batch#:	150844
Matrix:	Soil	Prepared:	05/09/09
Units:	mg/Kg	Analyzed:	05/11/09
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.93	44.91	90	52-128

Surrogate	%REC	Limits
o-Terphenyl	92	53-133

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC495328	Batch#:	150845
Matrix:	Soil	Prepared:	05/09/09
Units:	mg/Kg	Analyzed:	05/11/09
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.65	49.09	99	52-128

Surrogate	%REC	Limits
o-Terphenyl	100	53-133

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Field ID:	SB-14@8FT	Batch#:	150845
MSS Lab ID:	212001-038	Sampled:	05/06/09
Matrix:	Soil	Received:	05/07/09
Units:	mg/Kg	Prepared:	05/09/09
Basis:	as received	Analyzed:	05/12/09
Diln Fac:	1.000		

Type: MS Lab ID: QC495329

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	133.7	49.74	157.4	48	33-145

Surrogate	%REC	Limits
o-Terphenyl	75	53-133

Type: MSD Lab ID: QC495330

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.61	173.5	80	33-145	10	44

Surrogate	%REC	Limits
o-Terphenyl	81	53-133

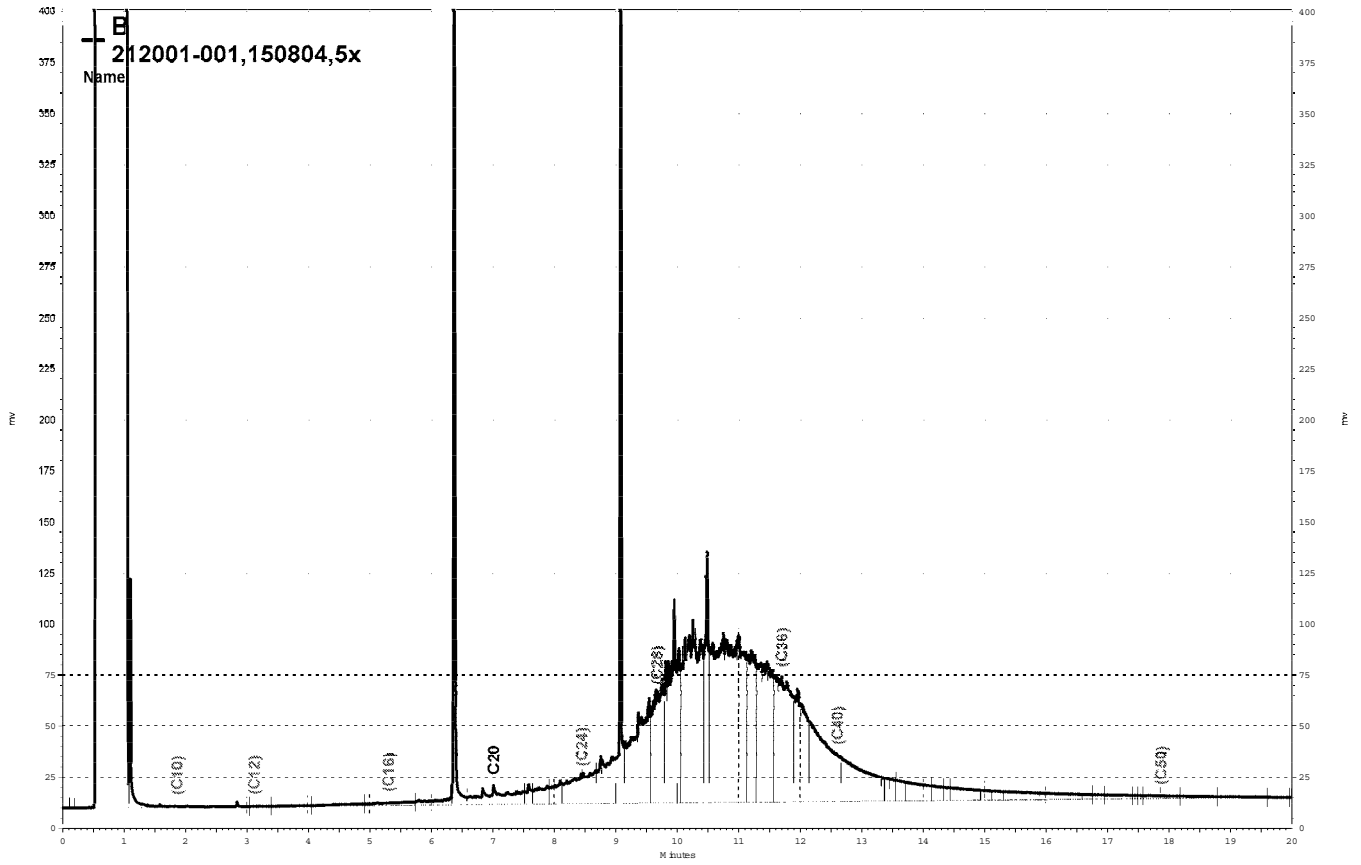
RPD= Relative Percent Difference

Batch QC Report

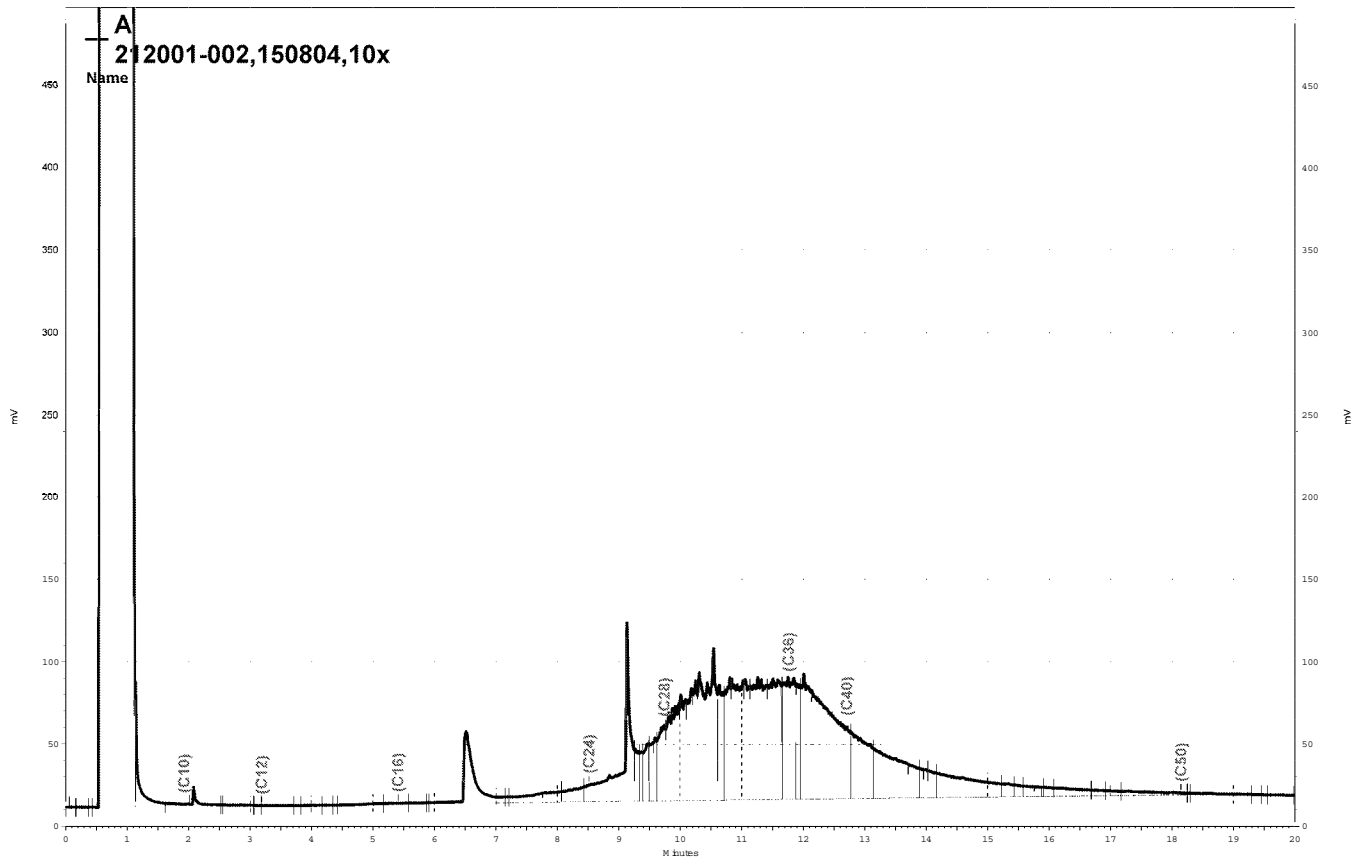
Total Extractable Hydrocarbons			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	2512	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC495154	Batch#:	150804
Matrix:	Soil	Prepared:	05/08/09
Units:	mg/Kg	Analyzed:	05/13/09
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.00	51.69	103	52-128

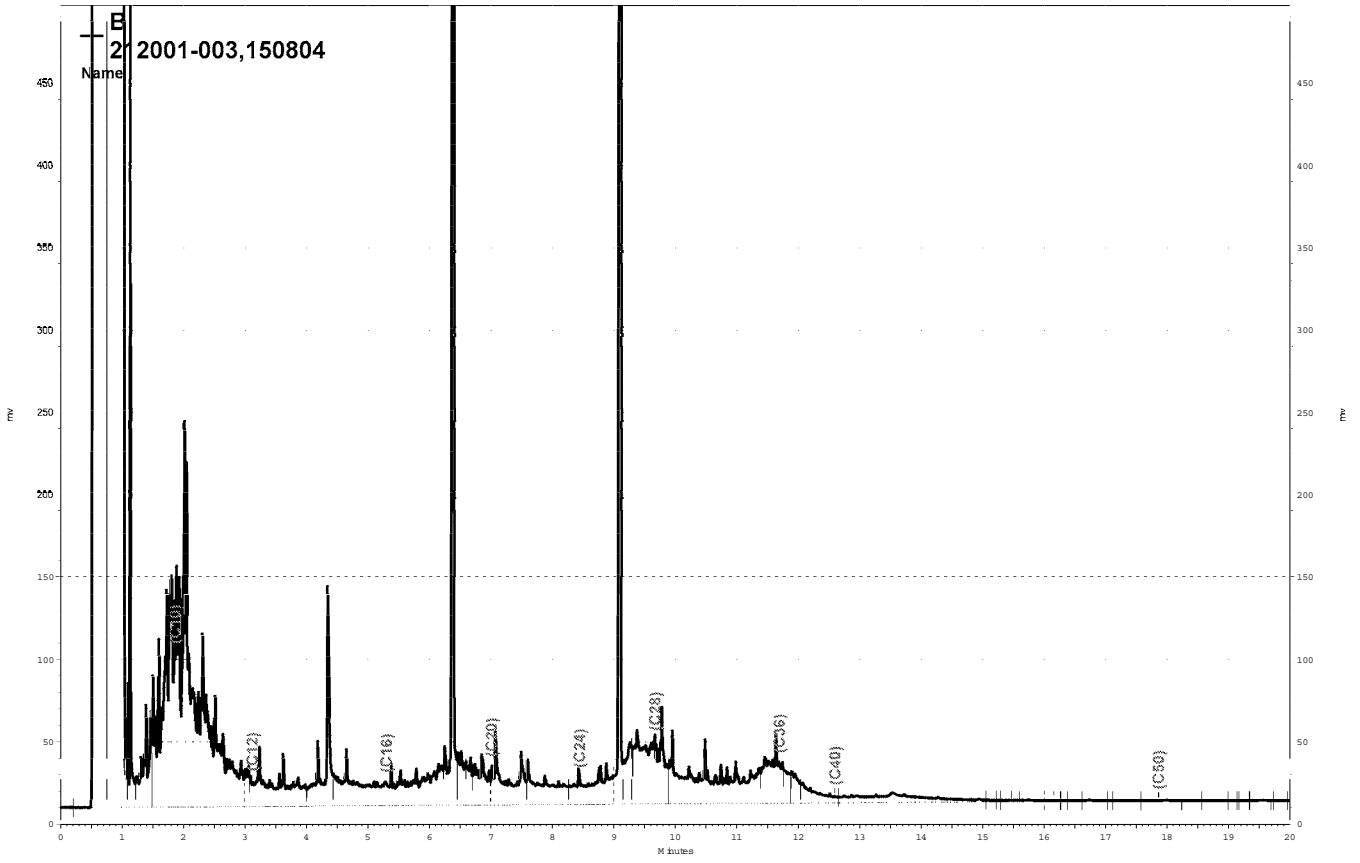
Surrogate	%REC	Limits
o-Terphenyl	112	53-133



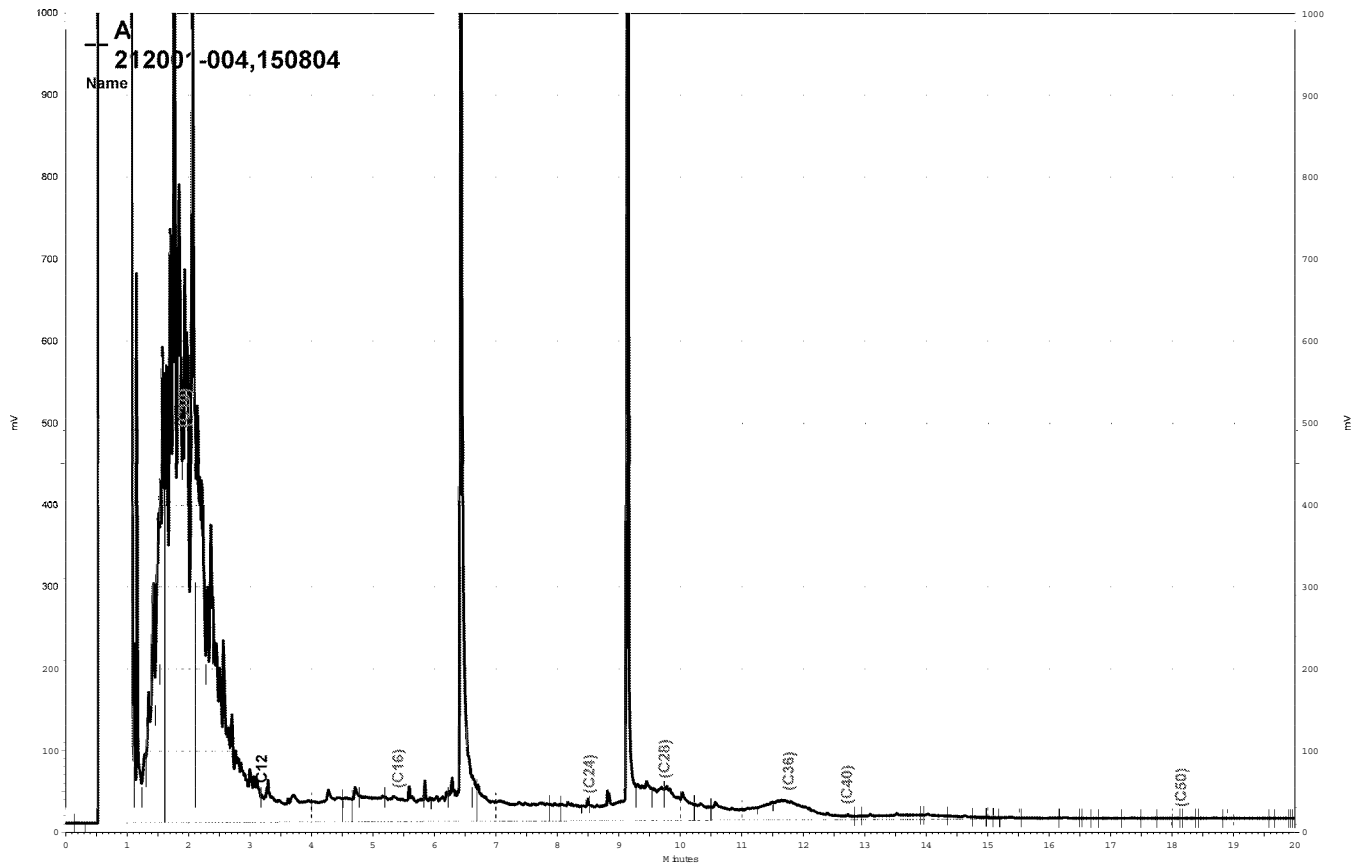
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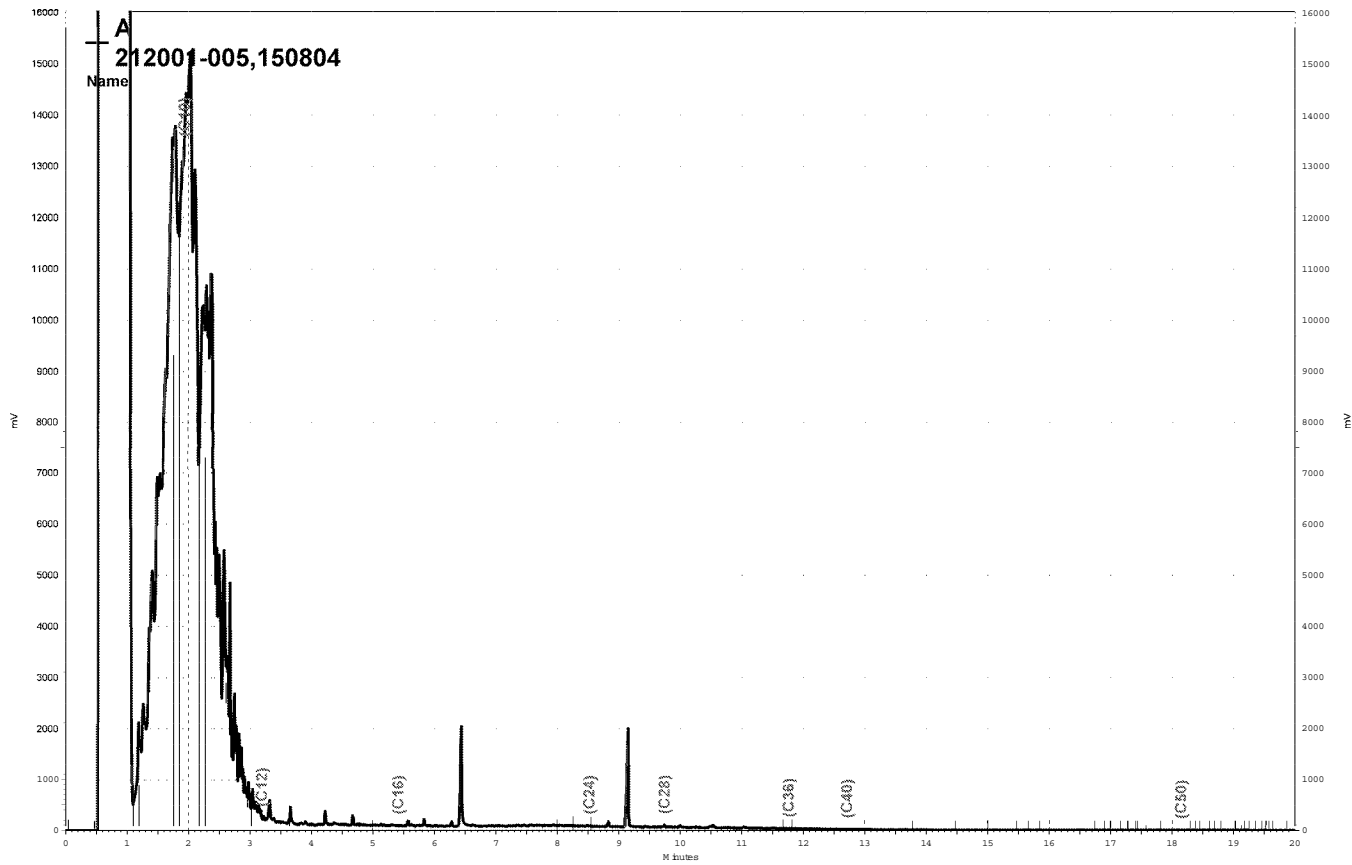
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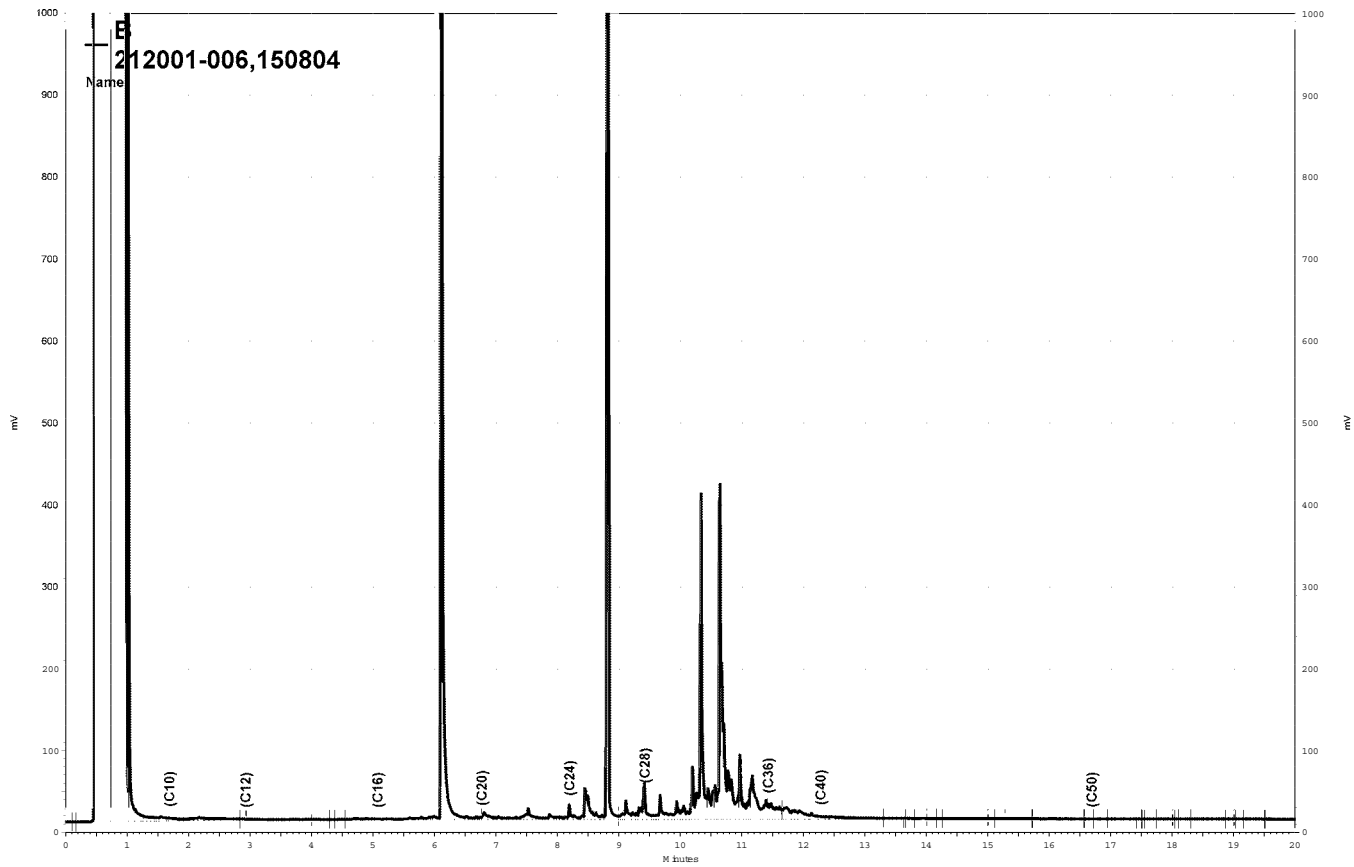
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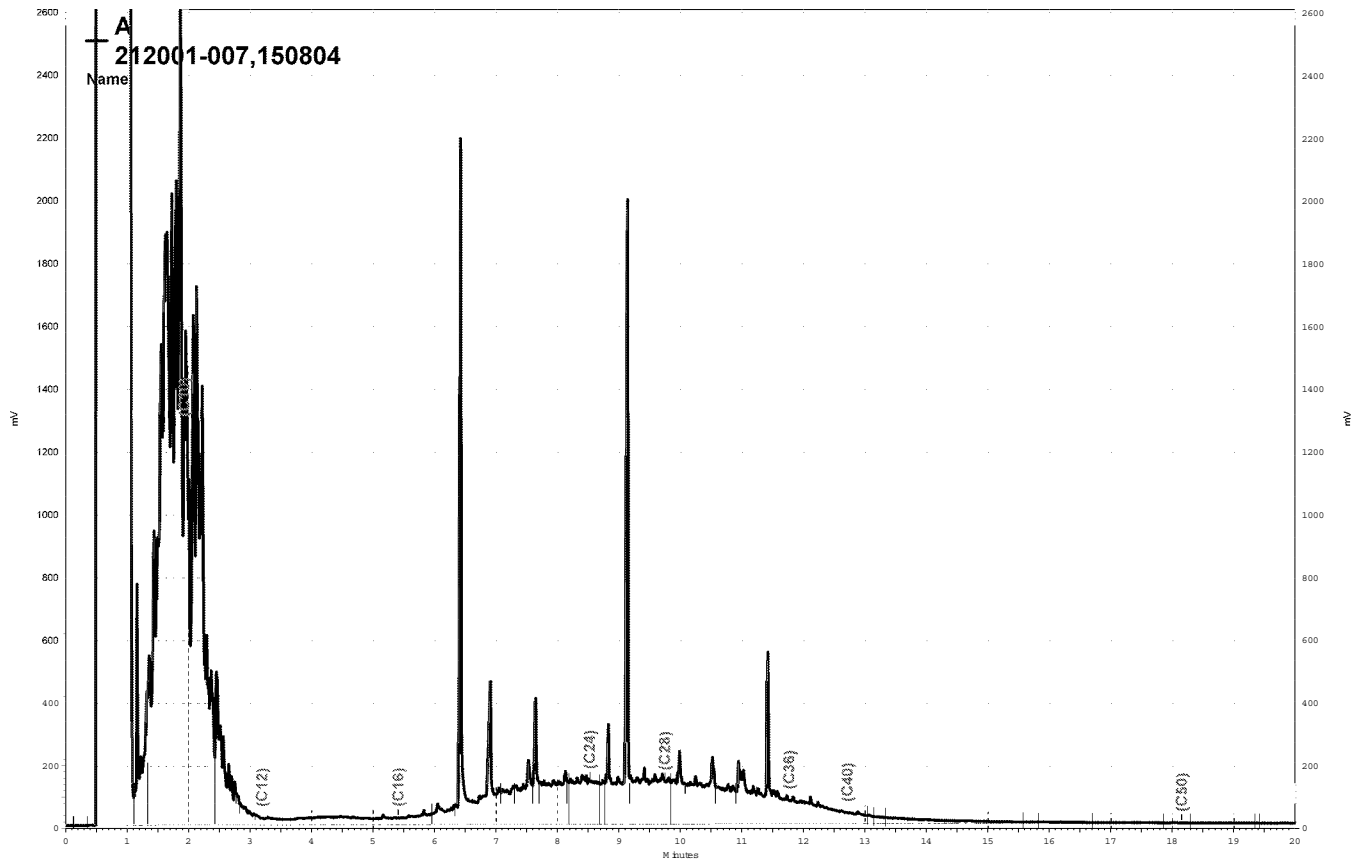
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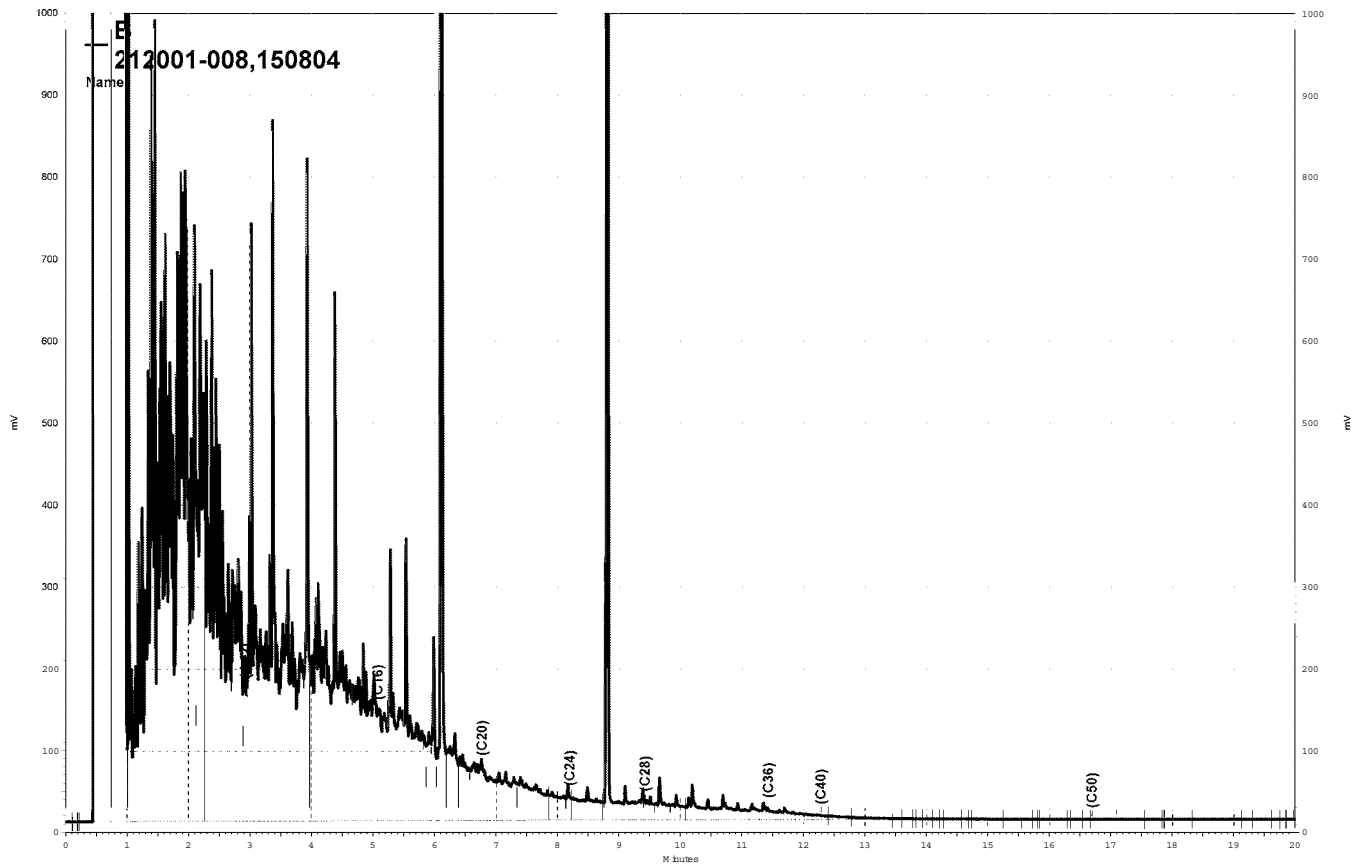
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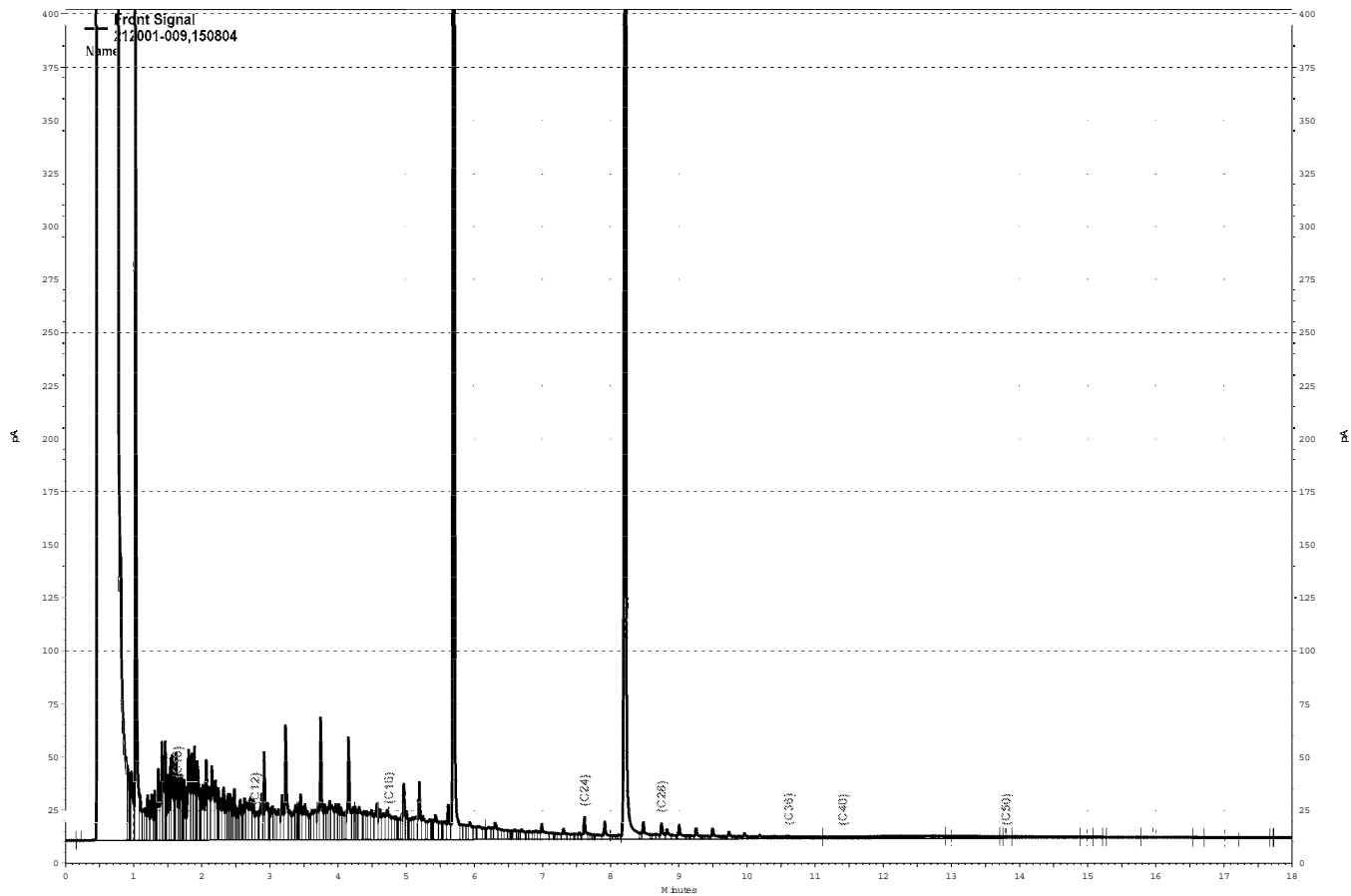
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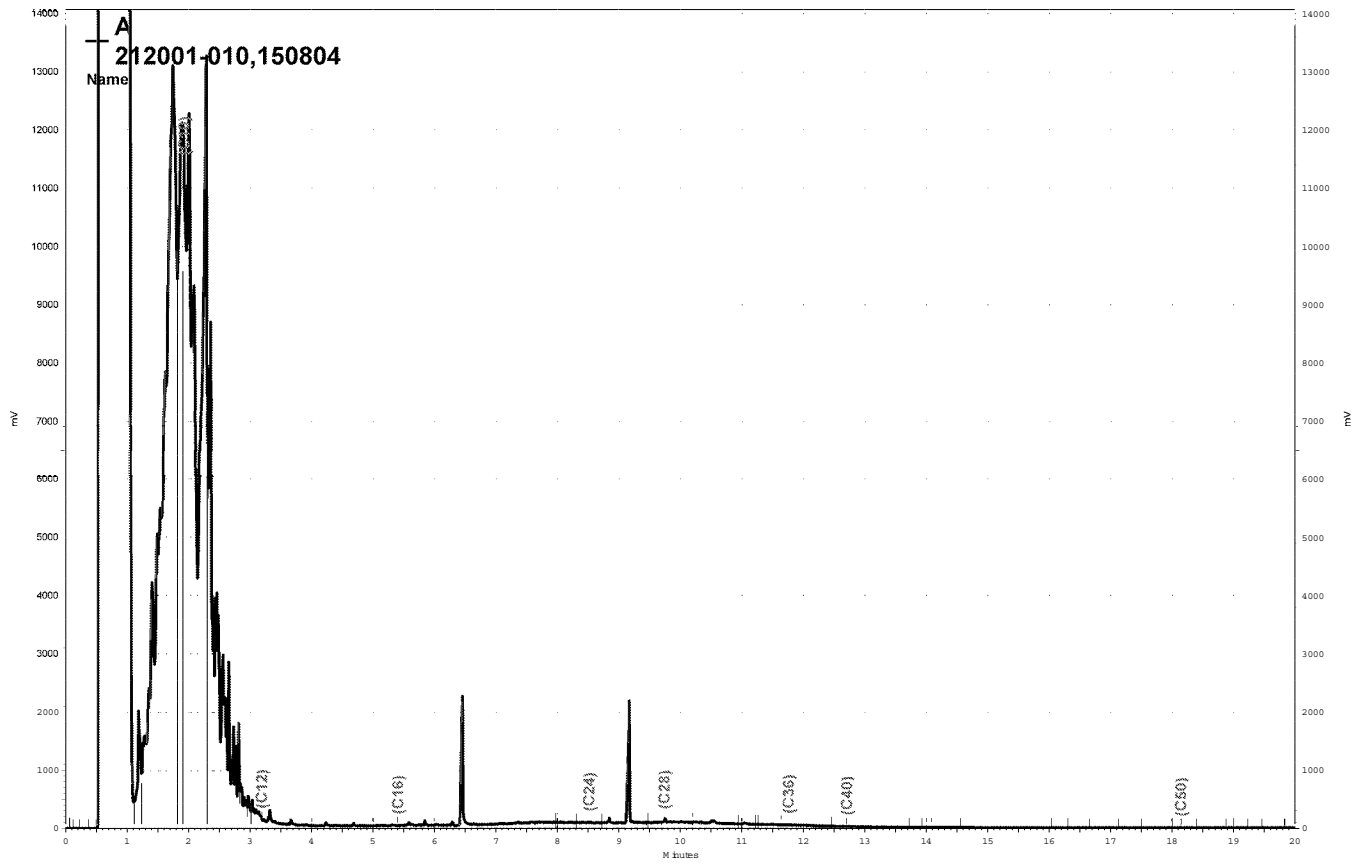
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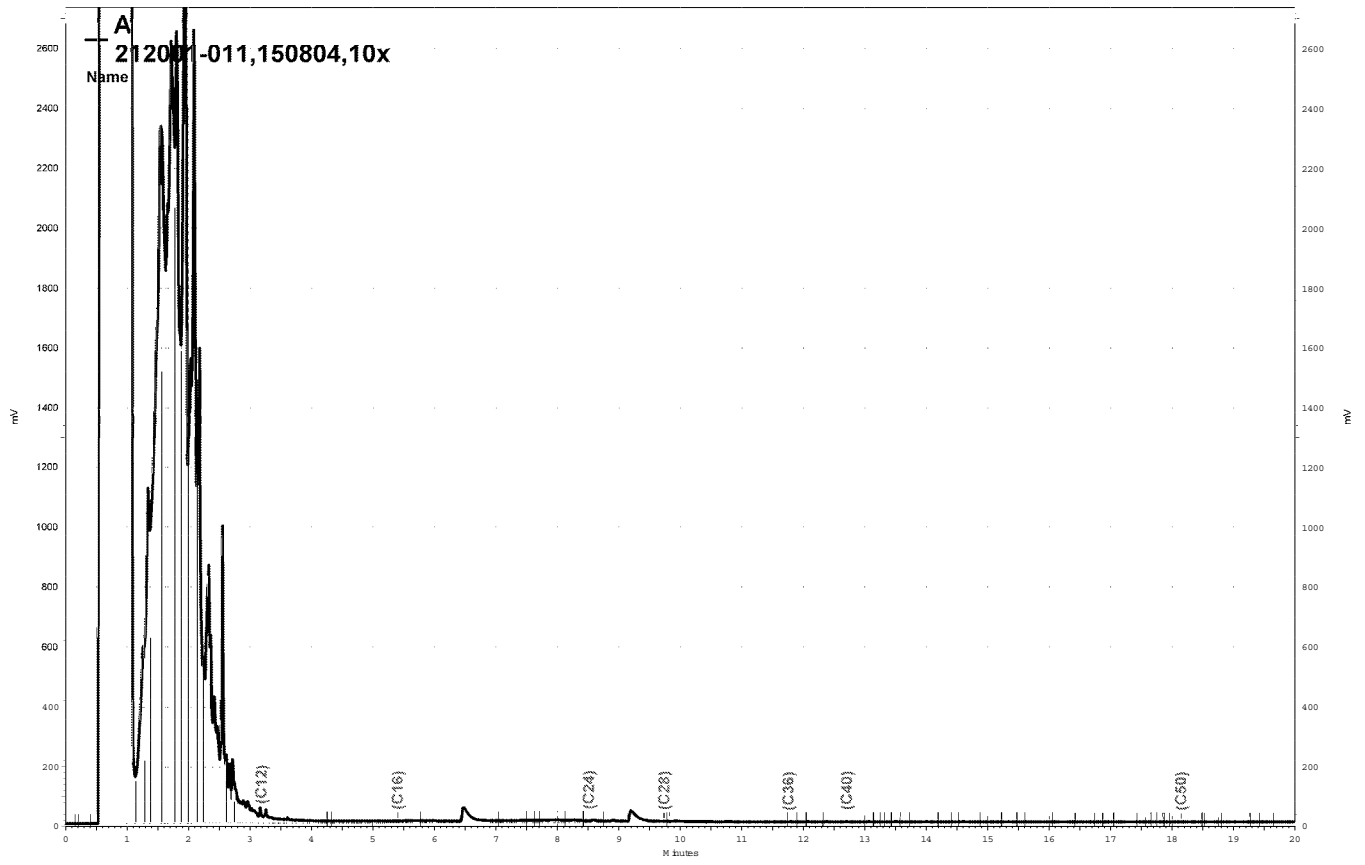
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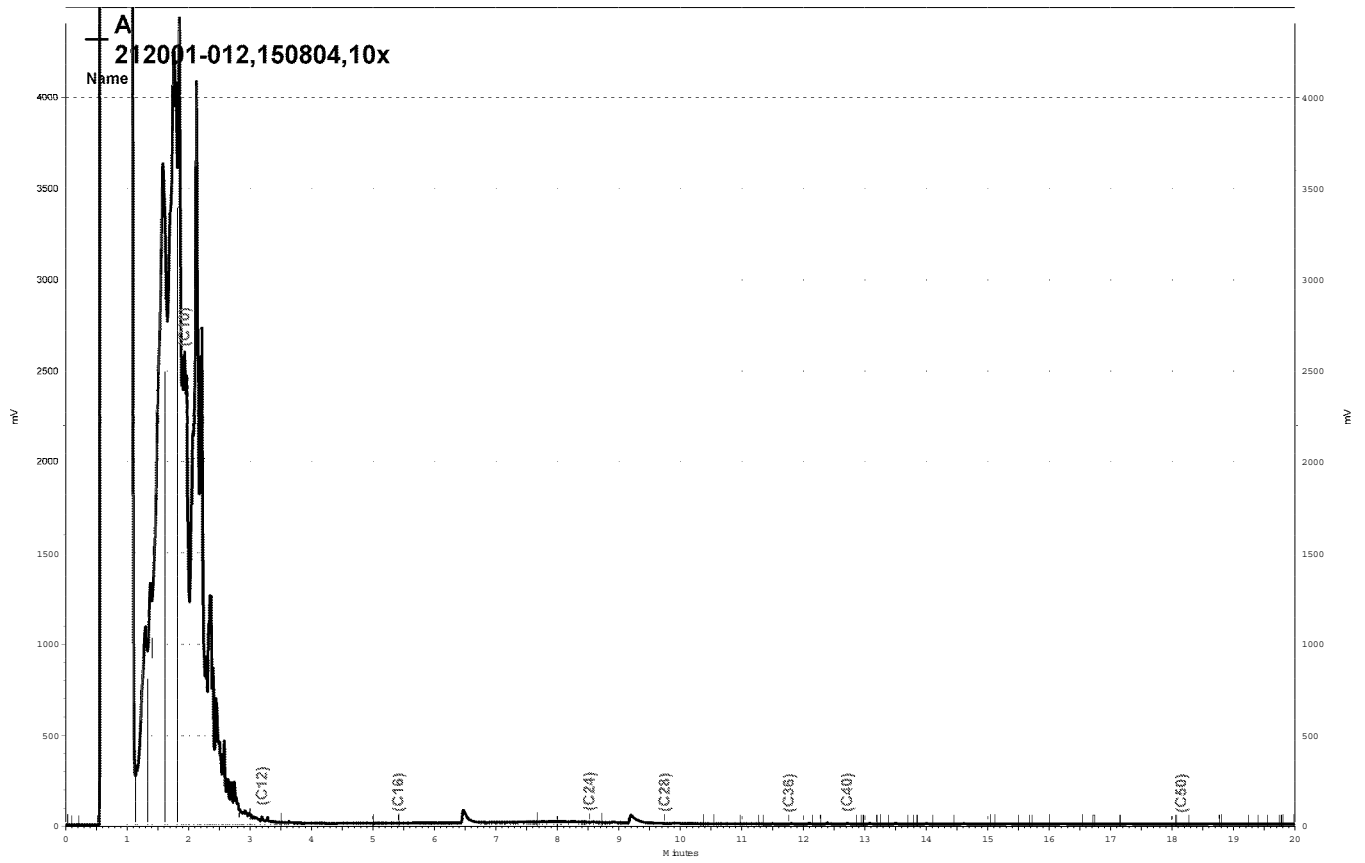
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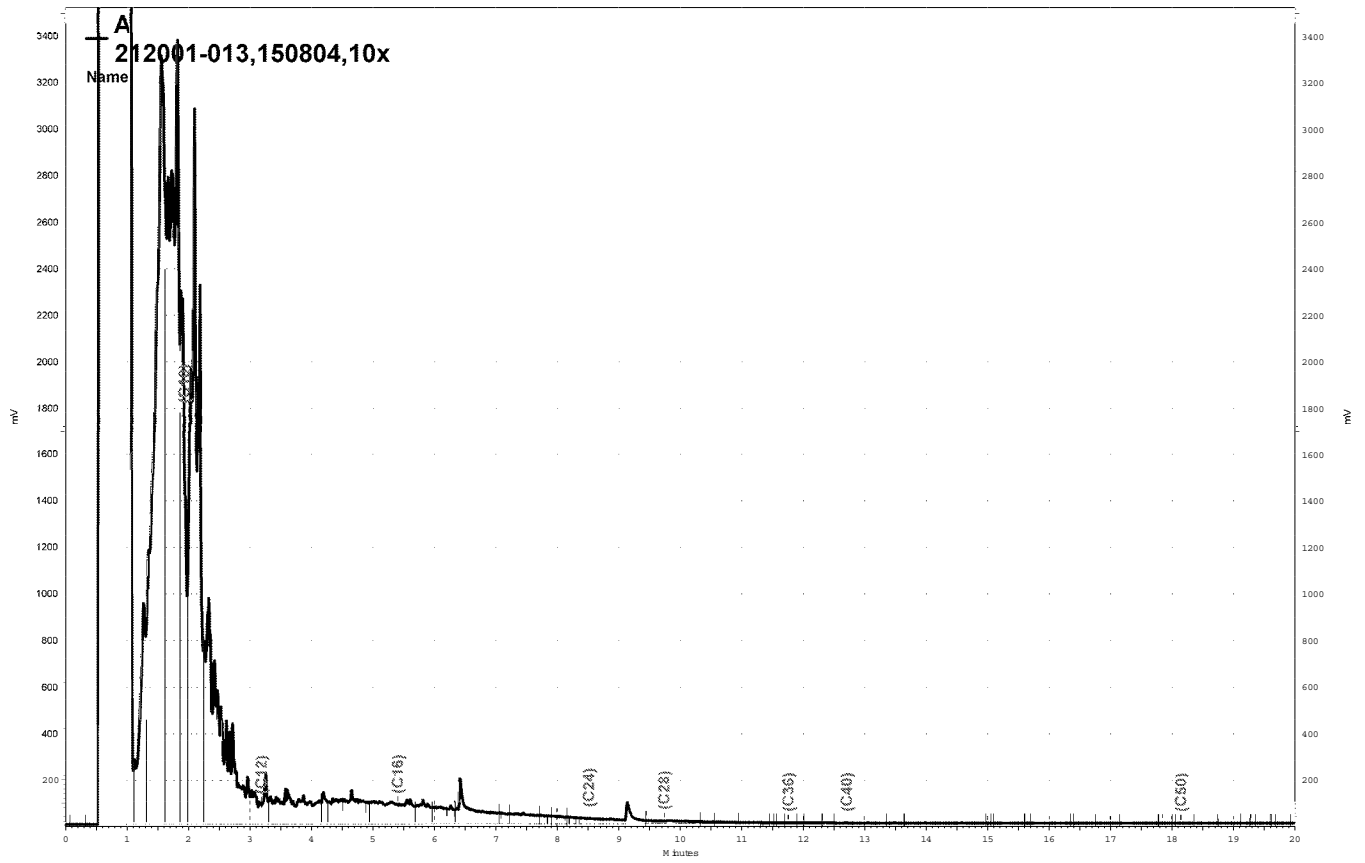
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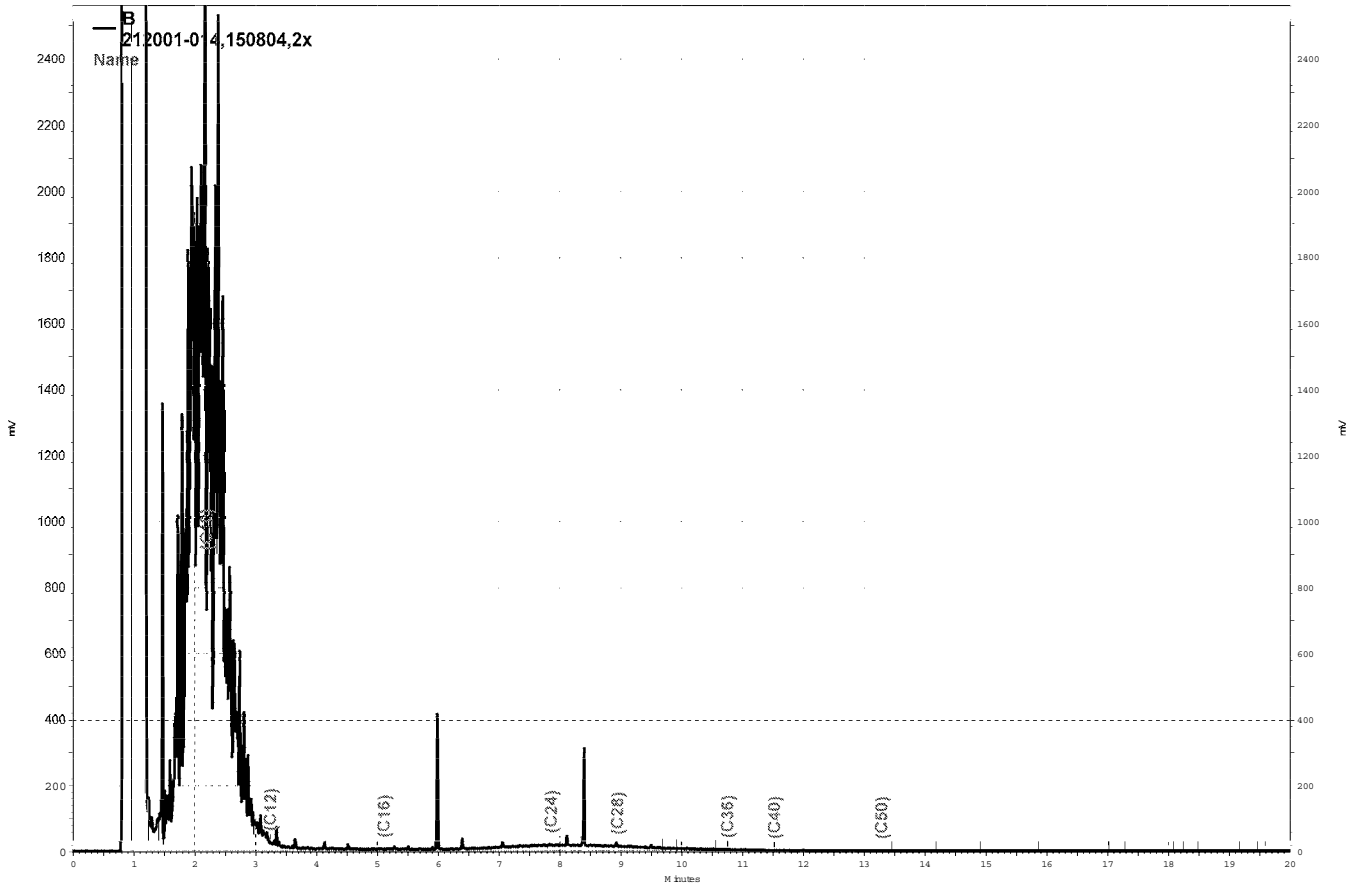
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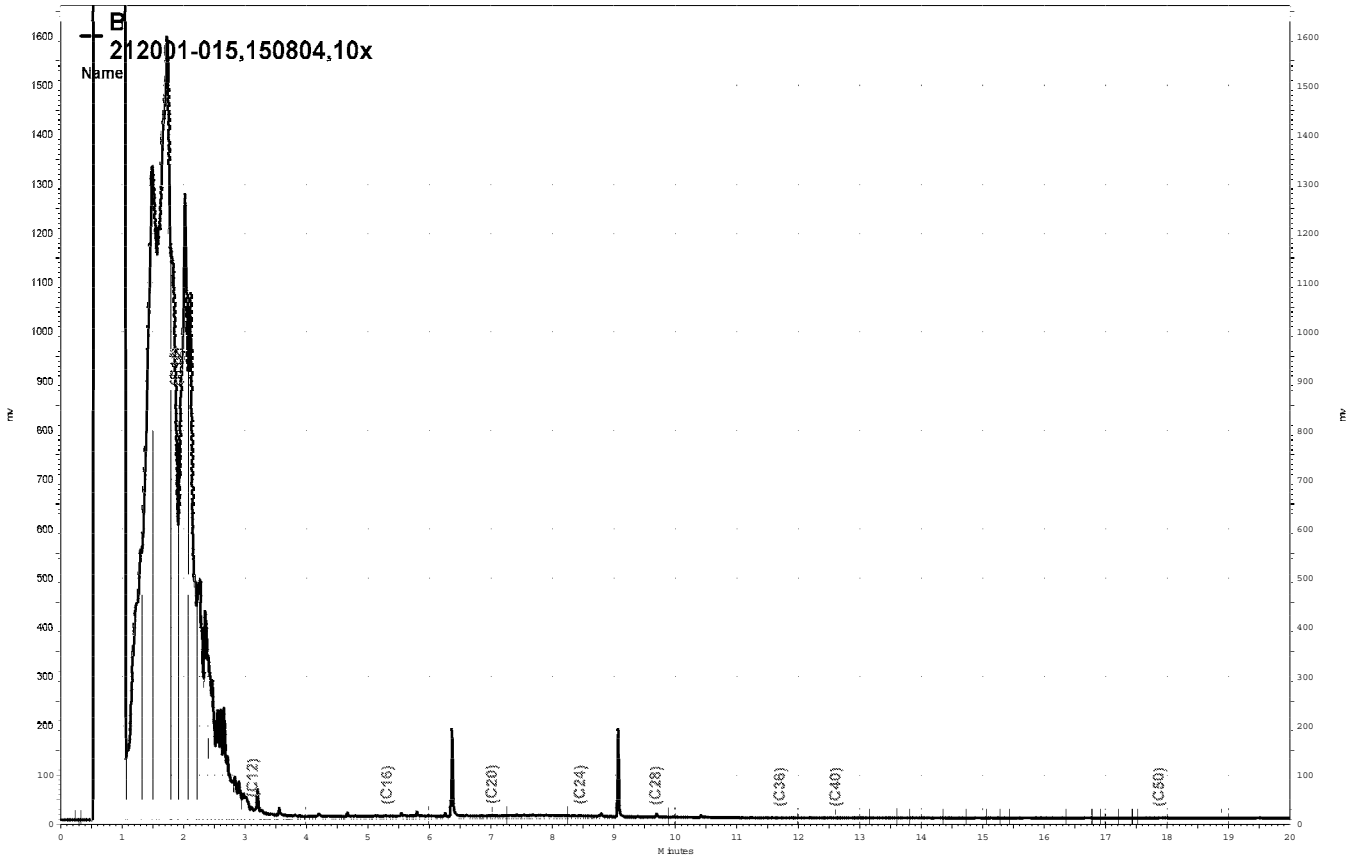
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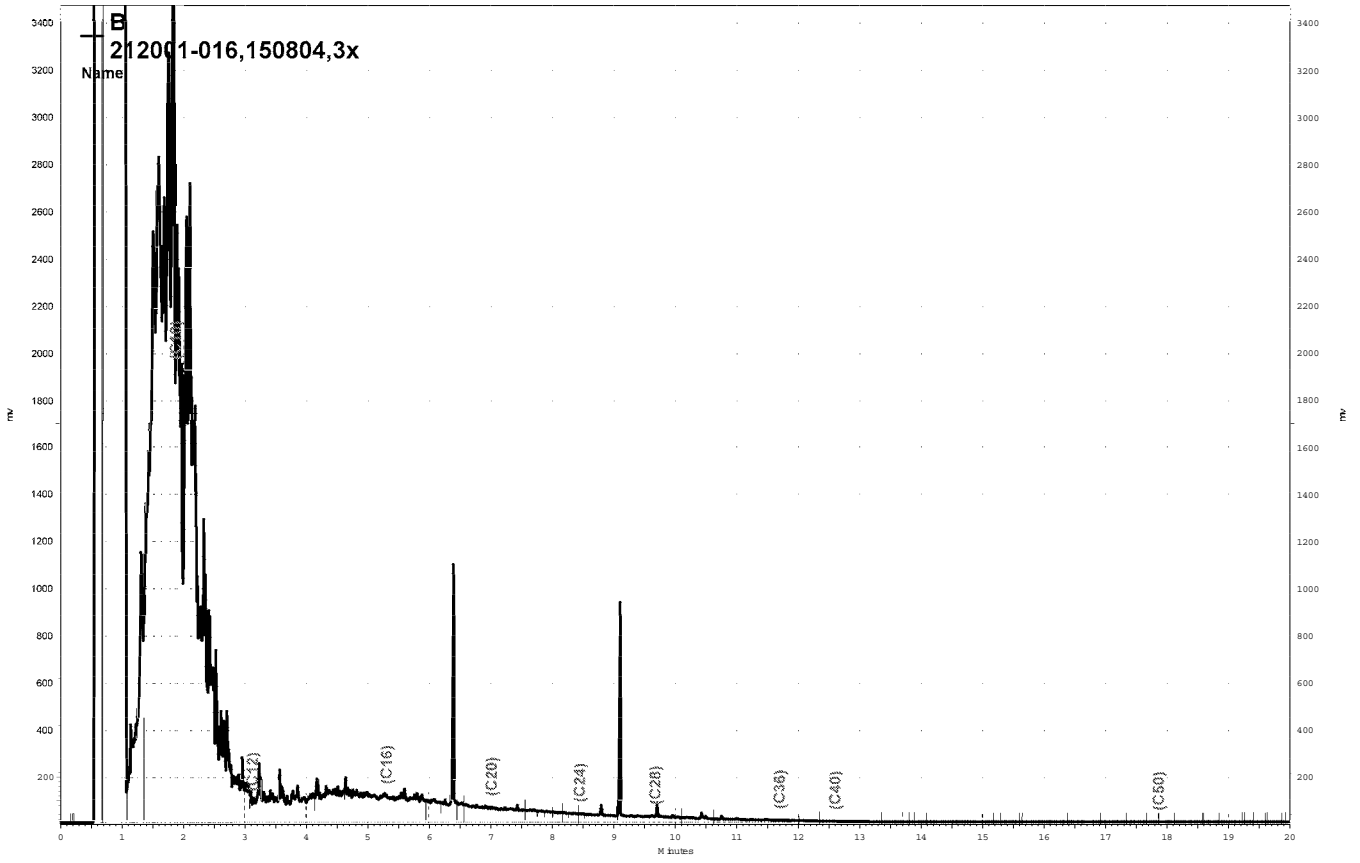
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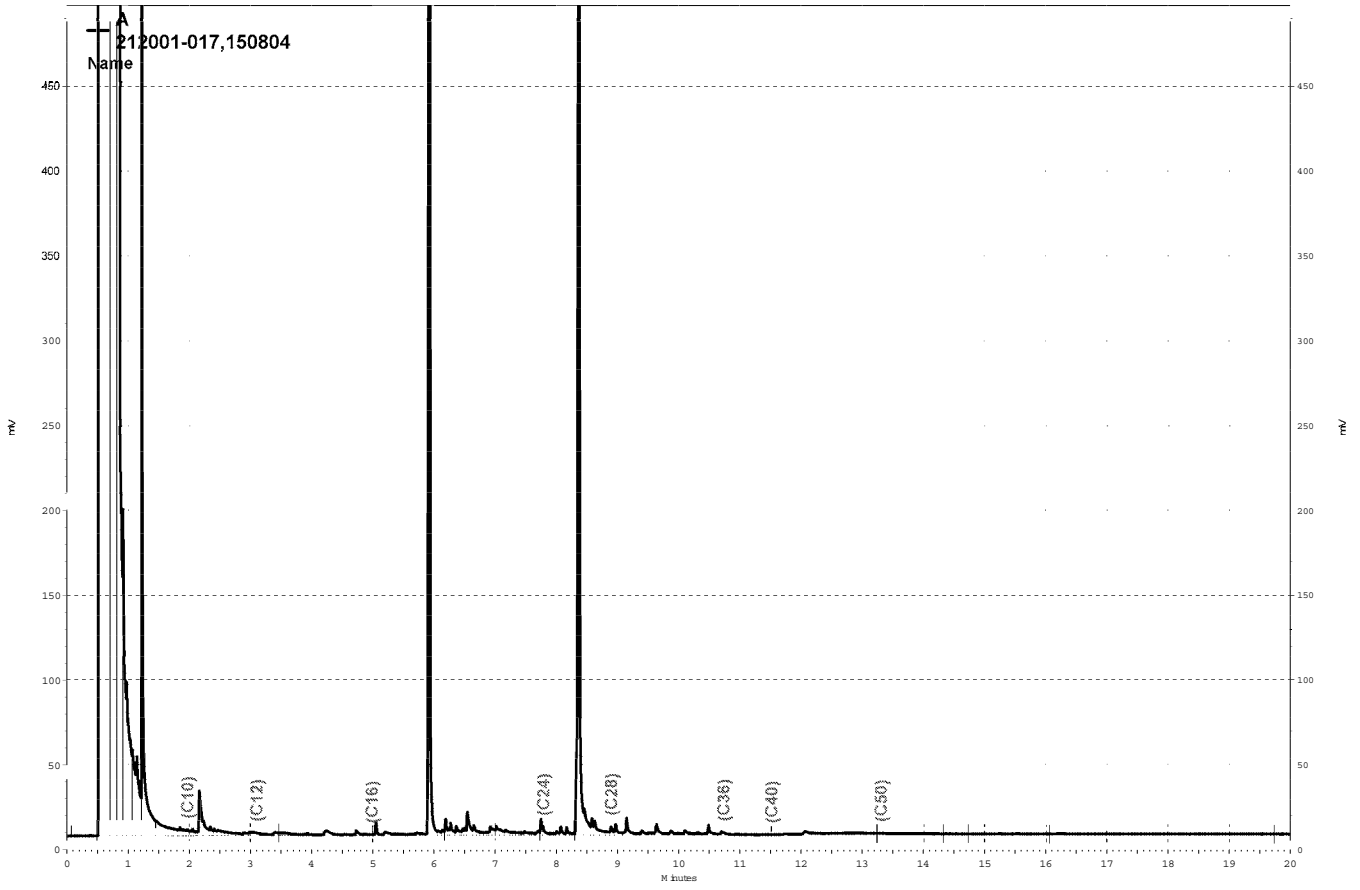
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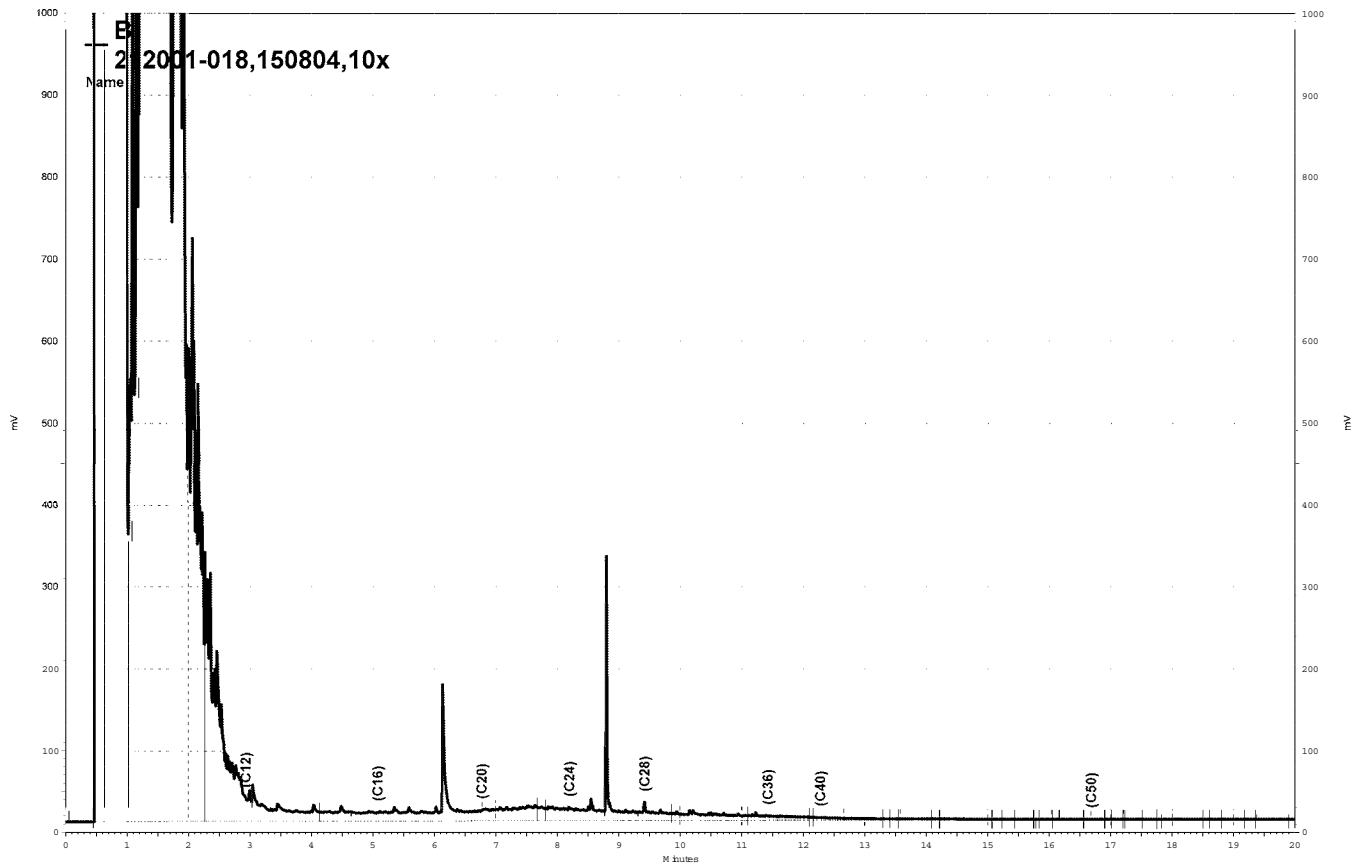
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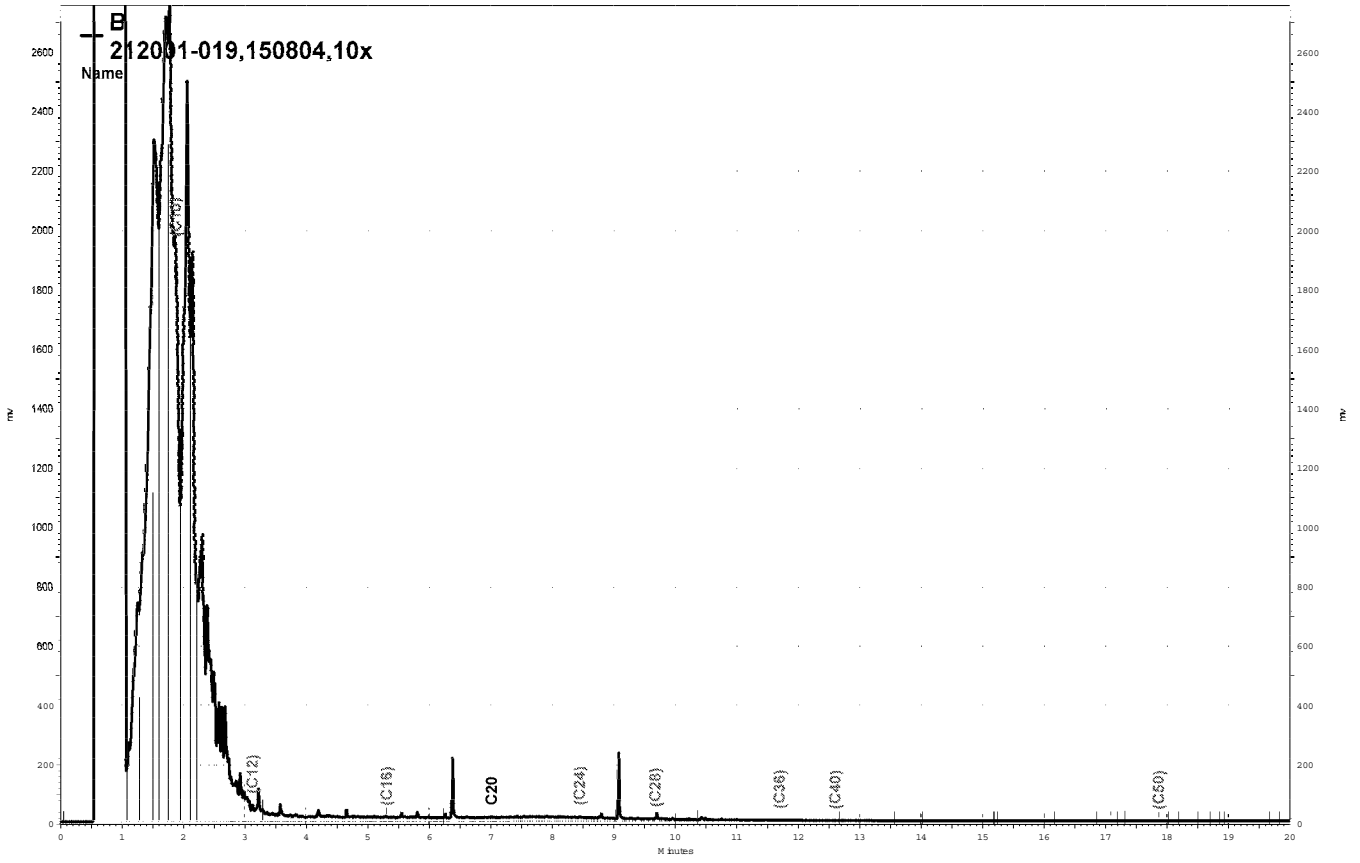
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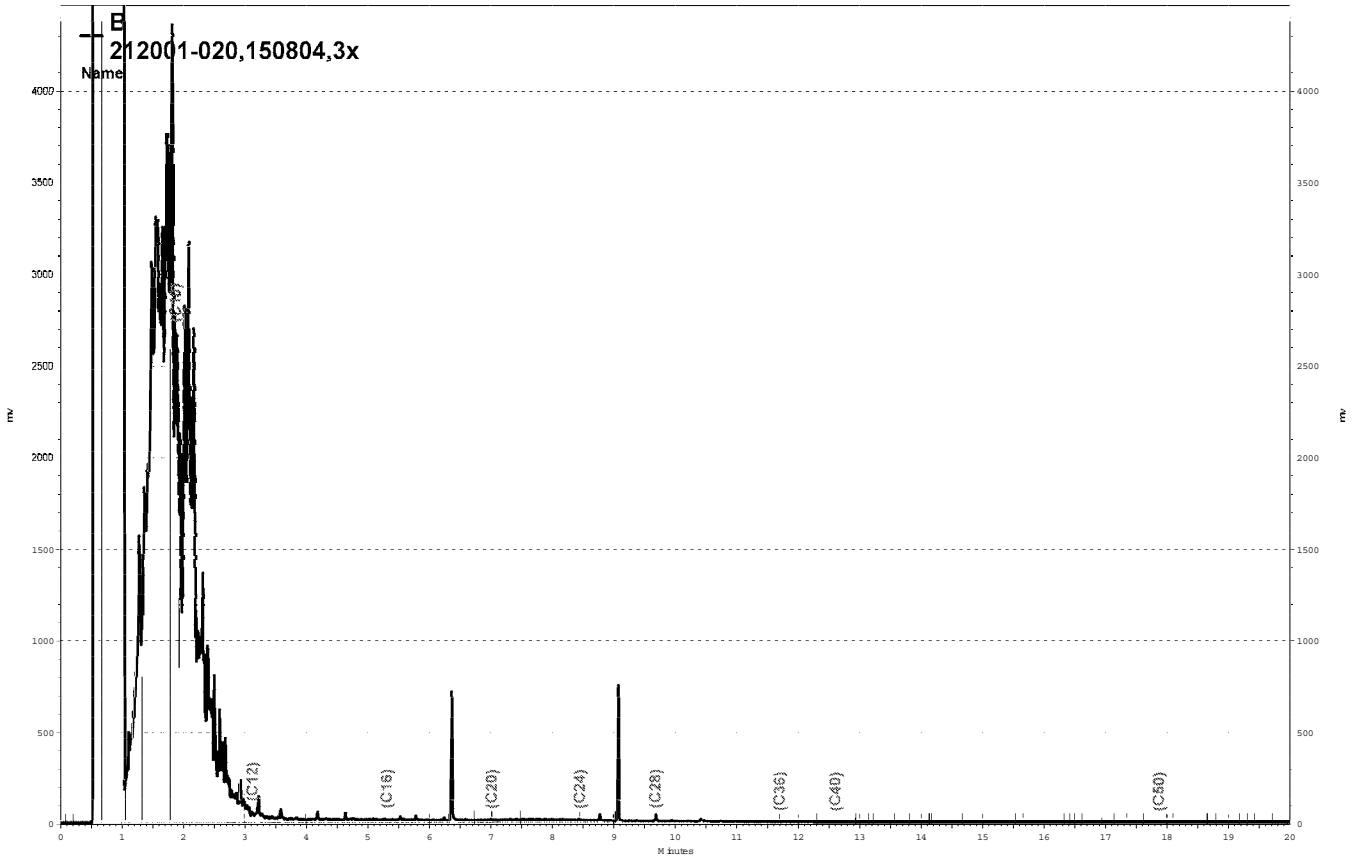
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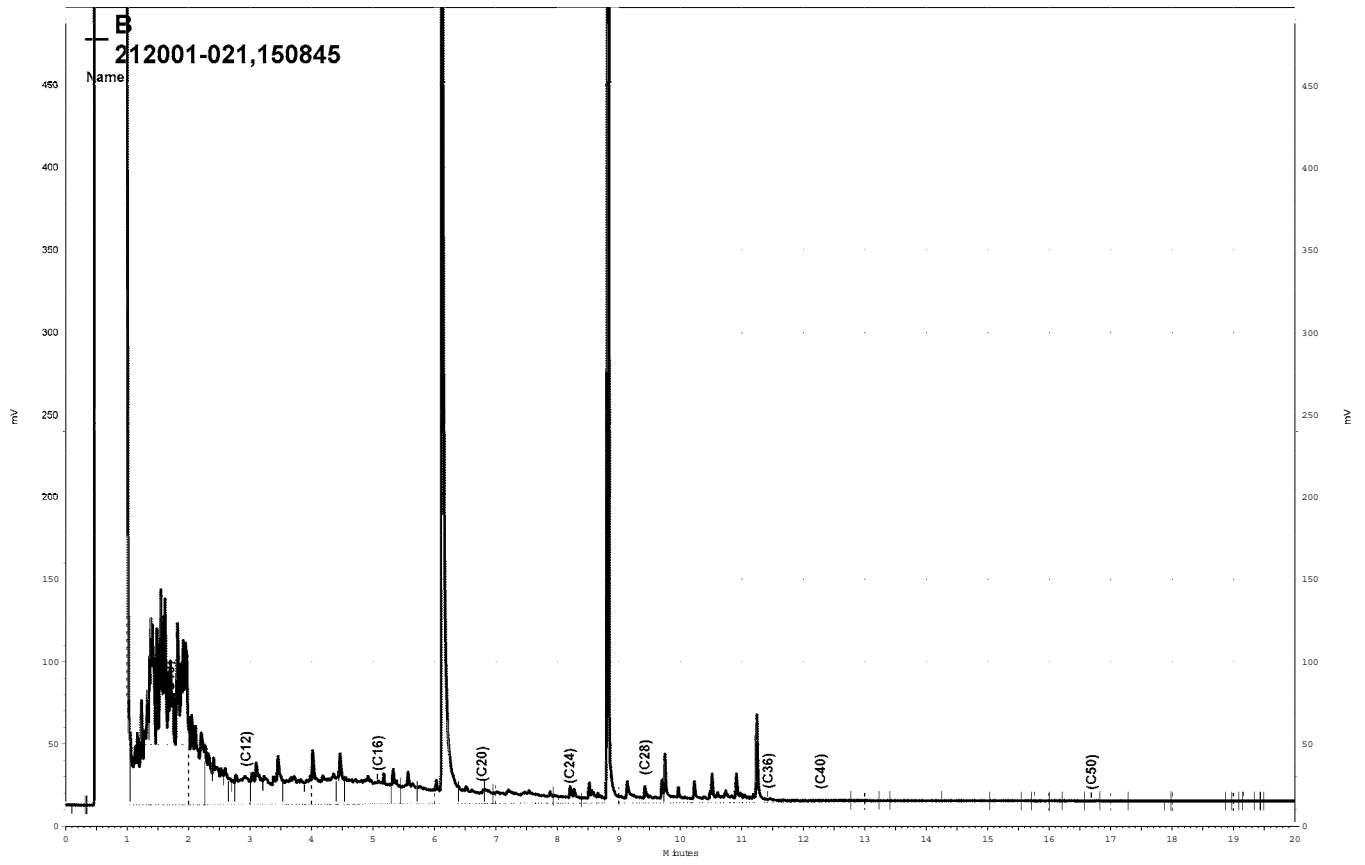
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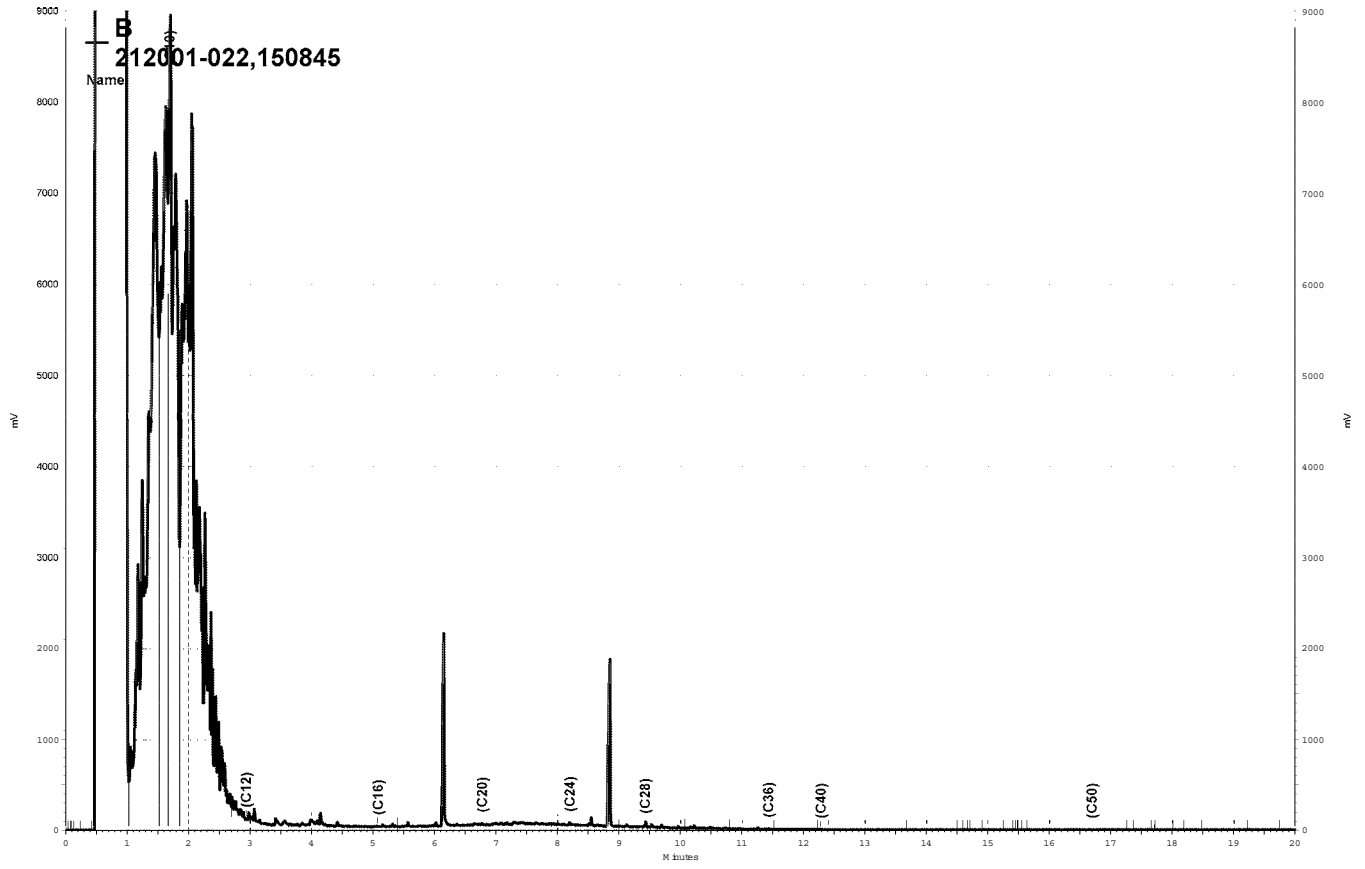
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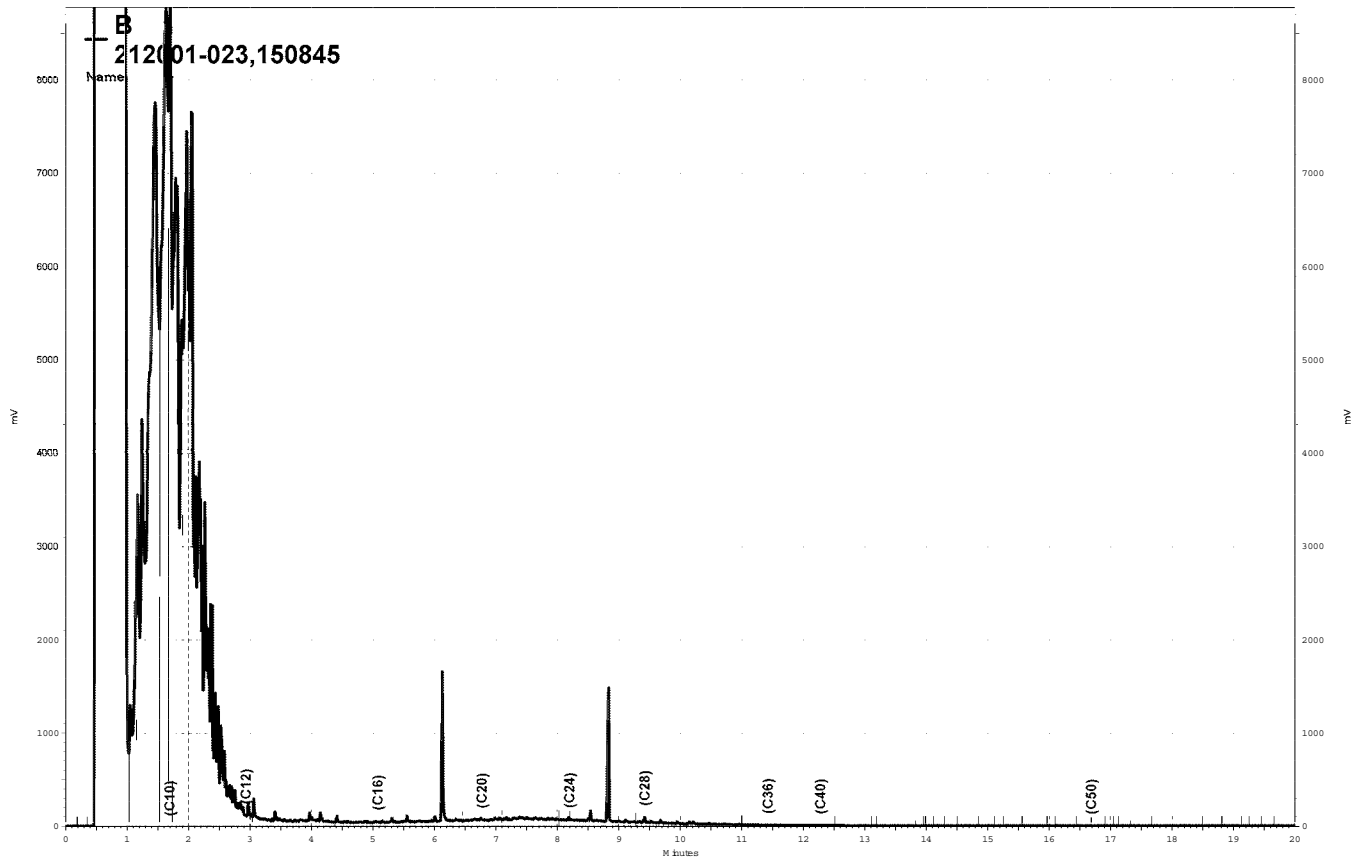
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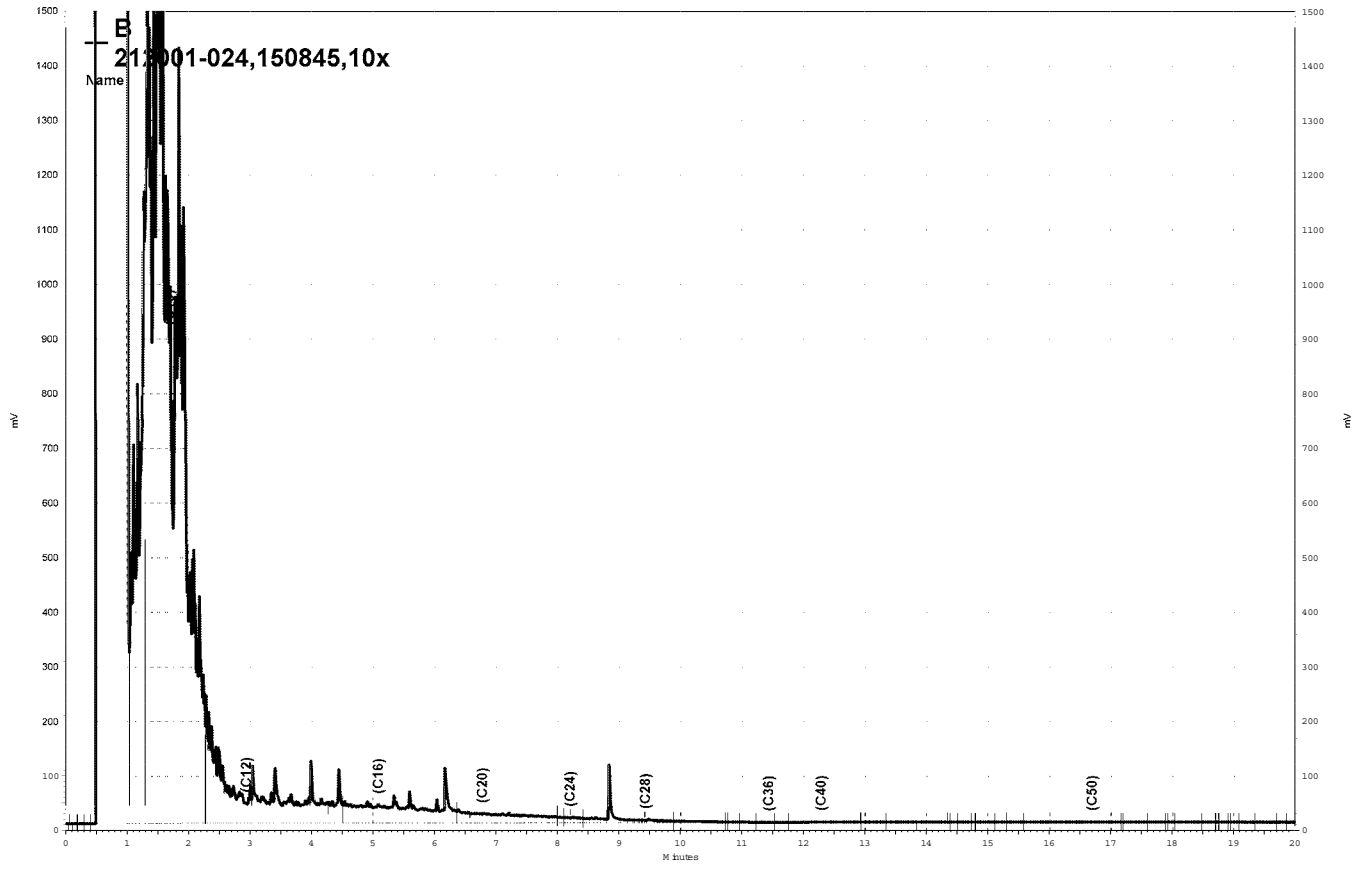
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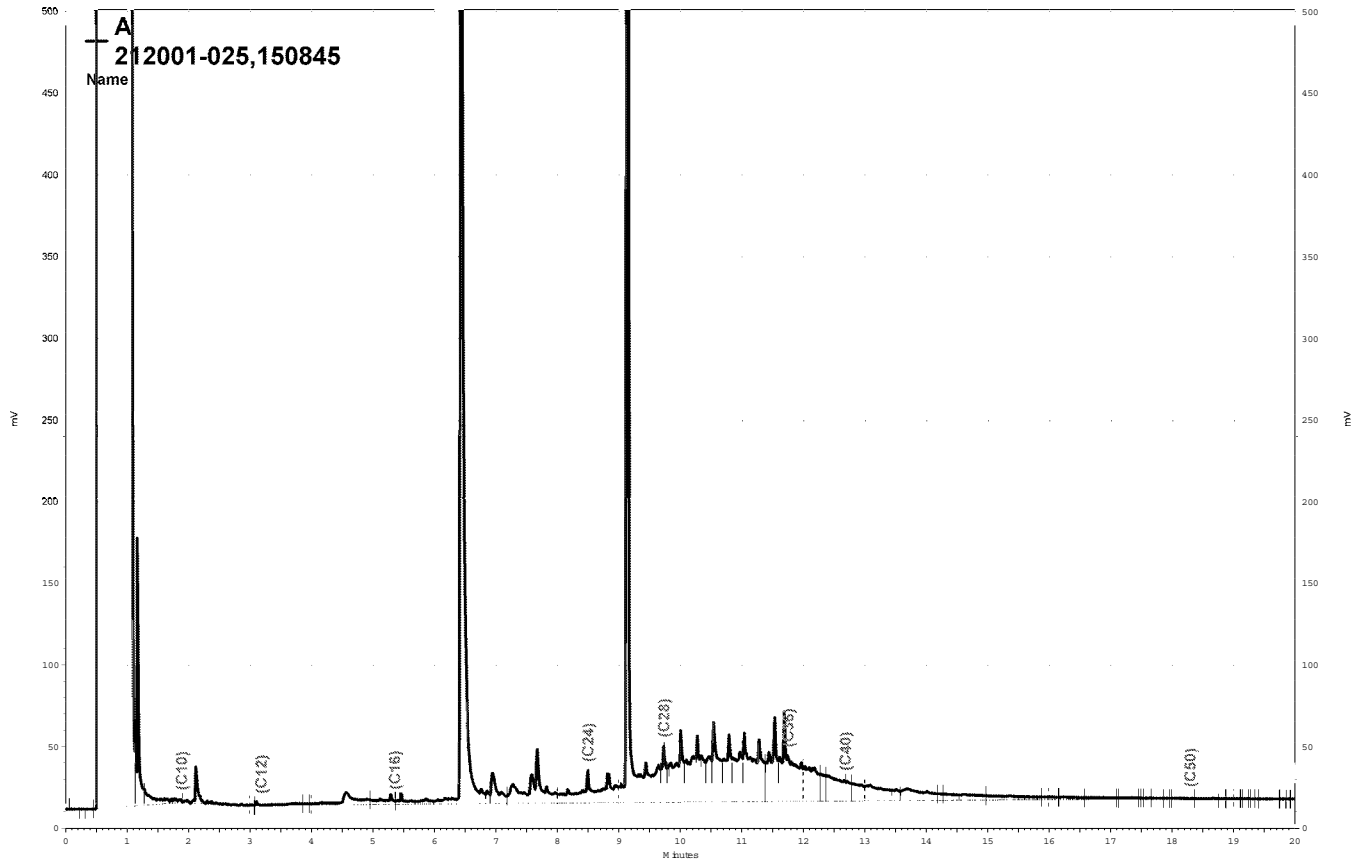
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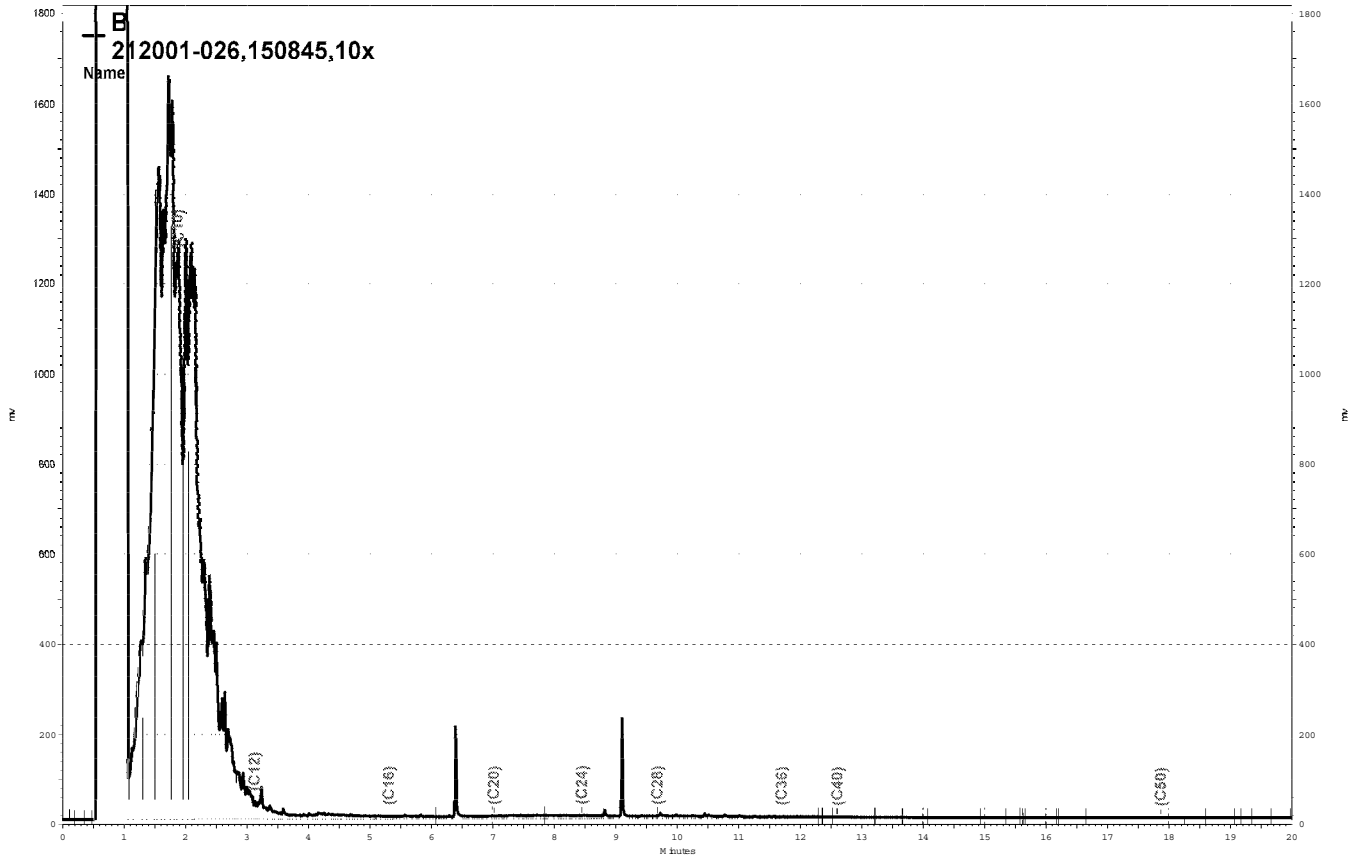
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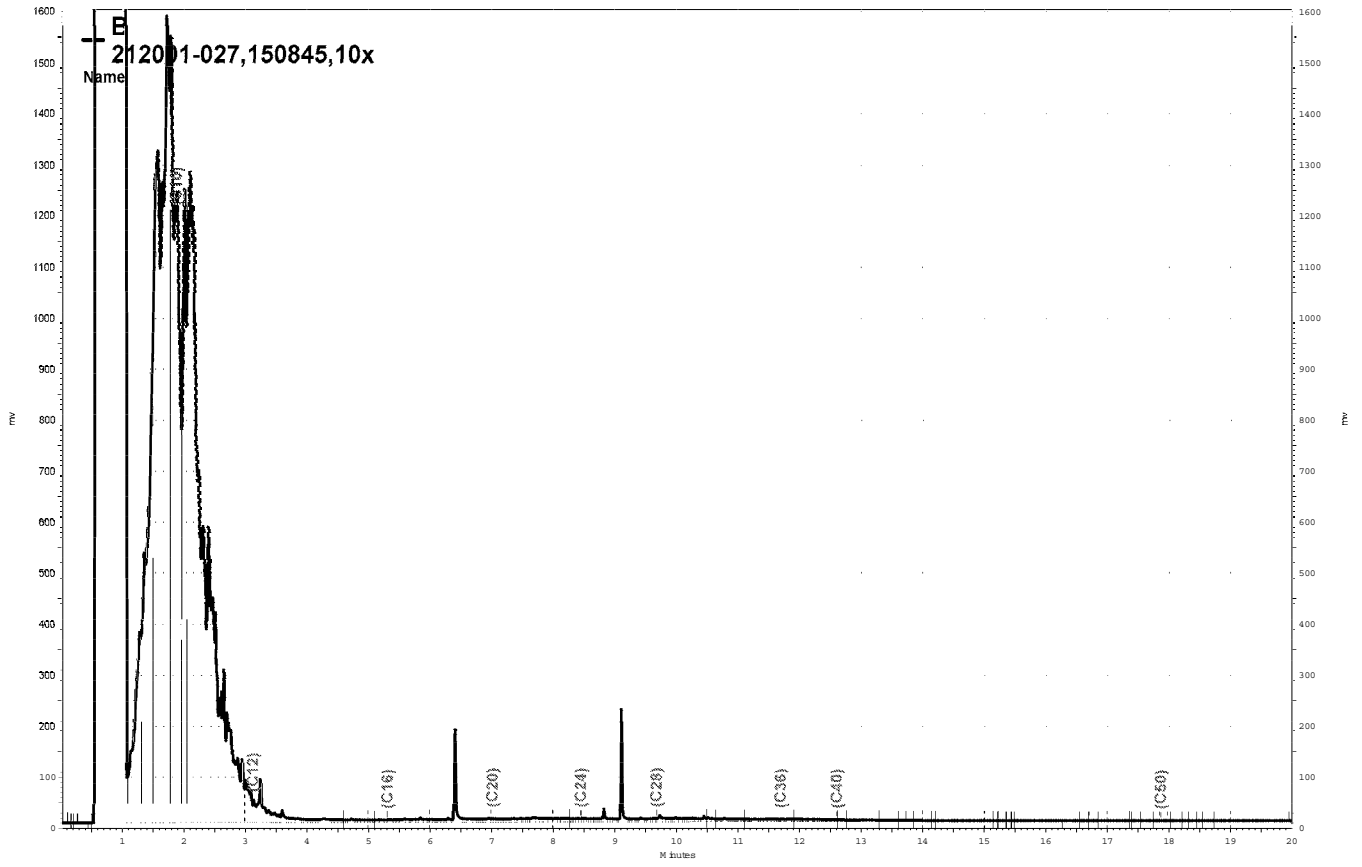
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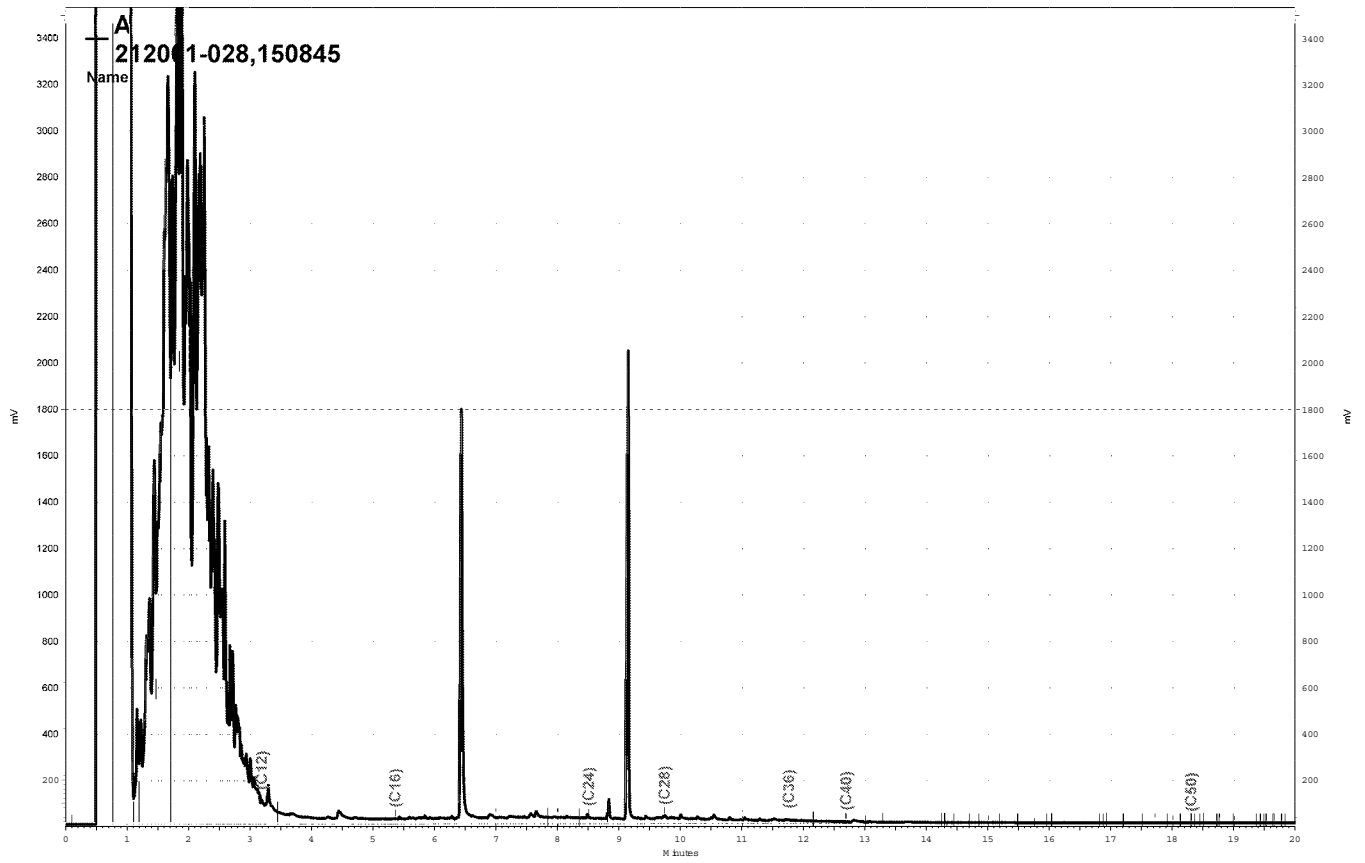
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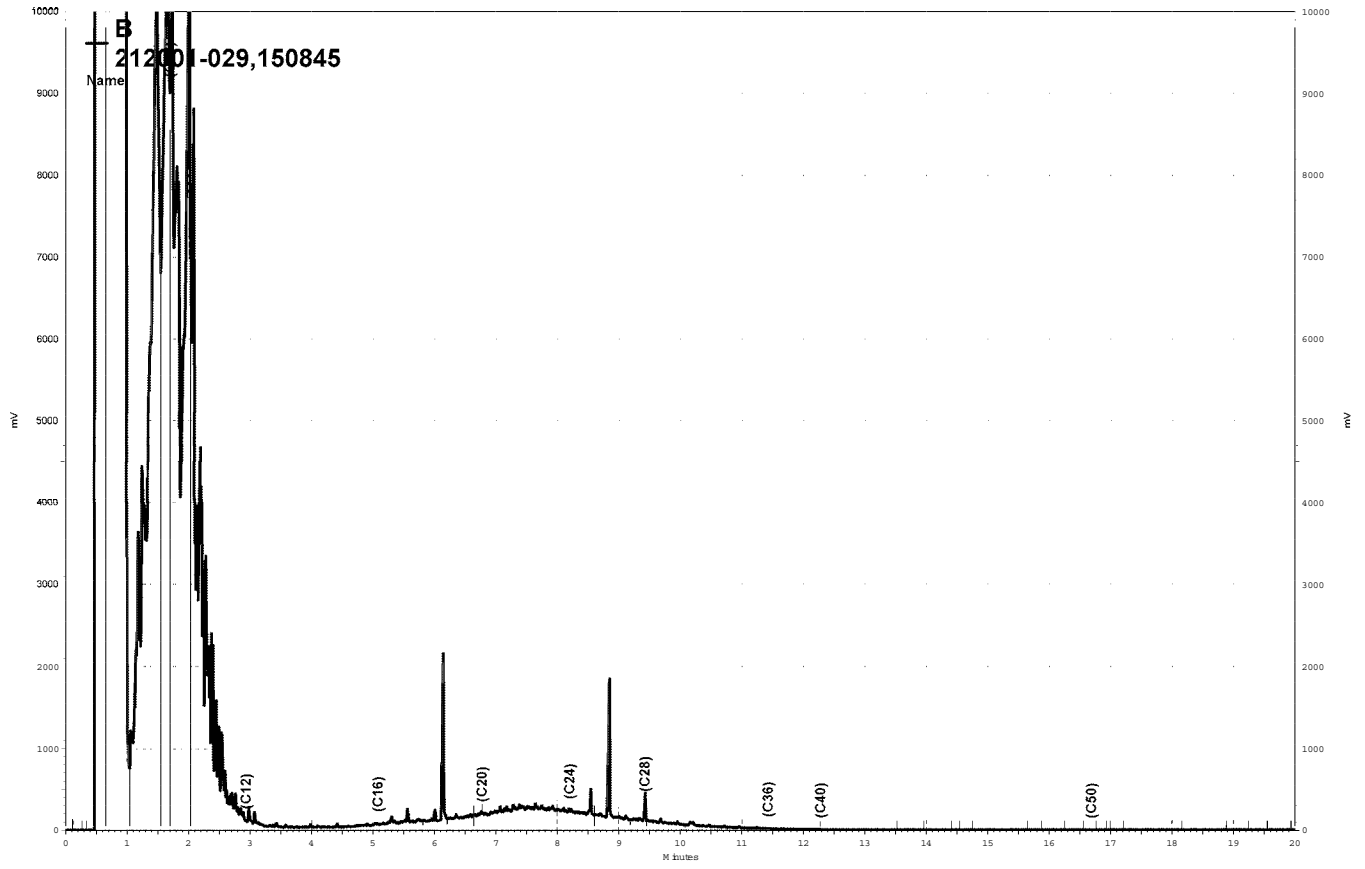
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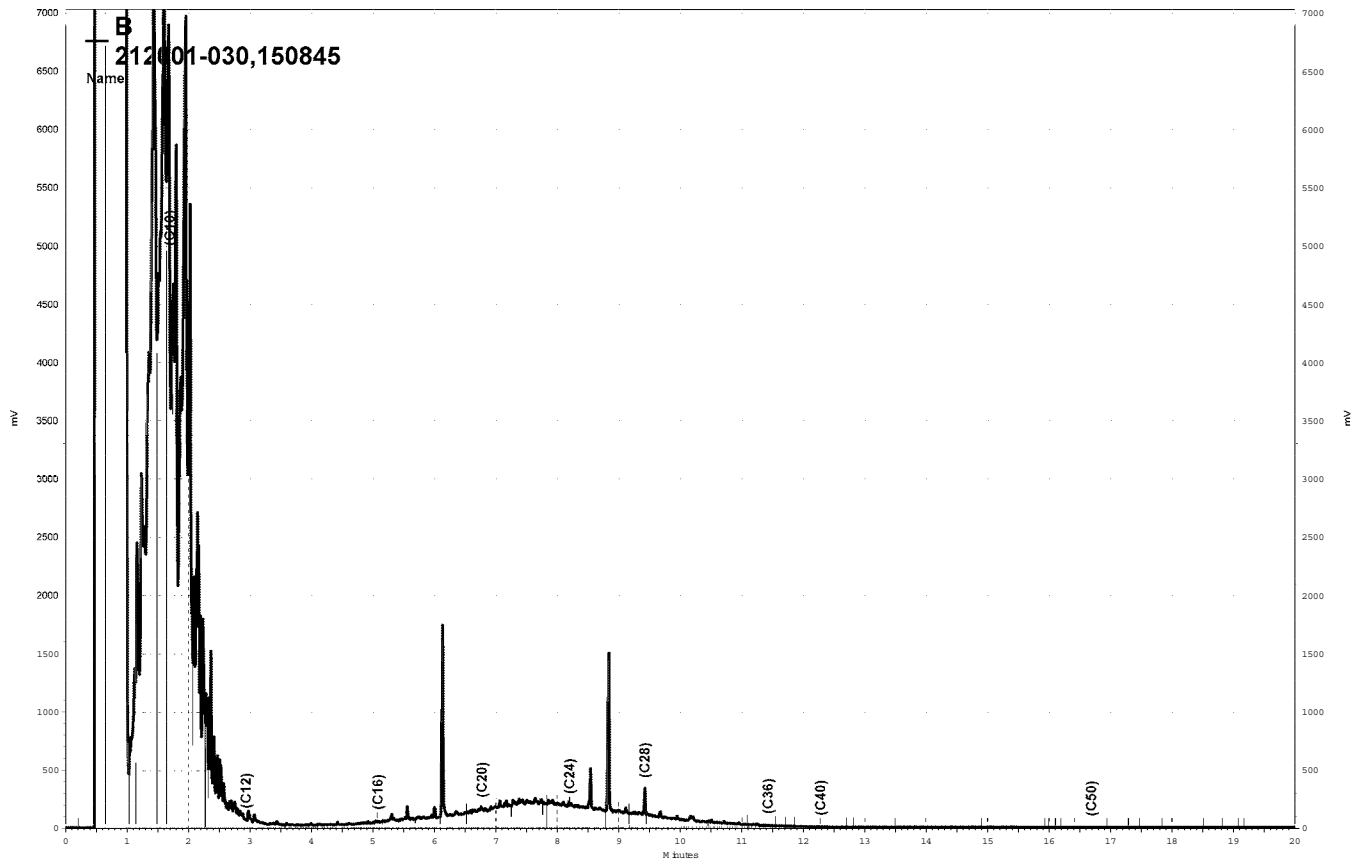
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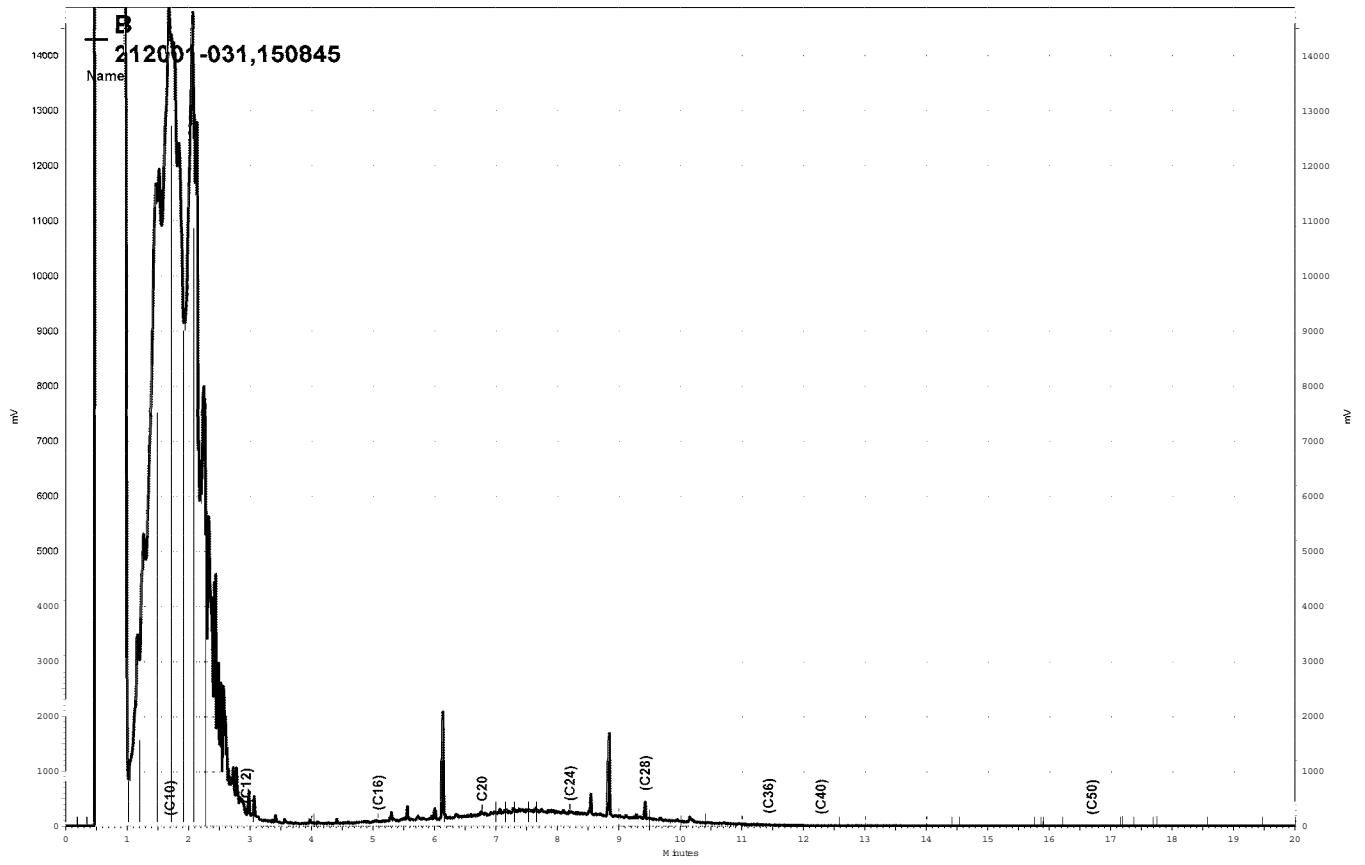
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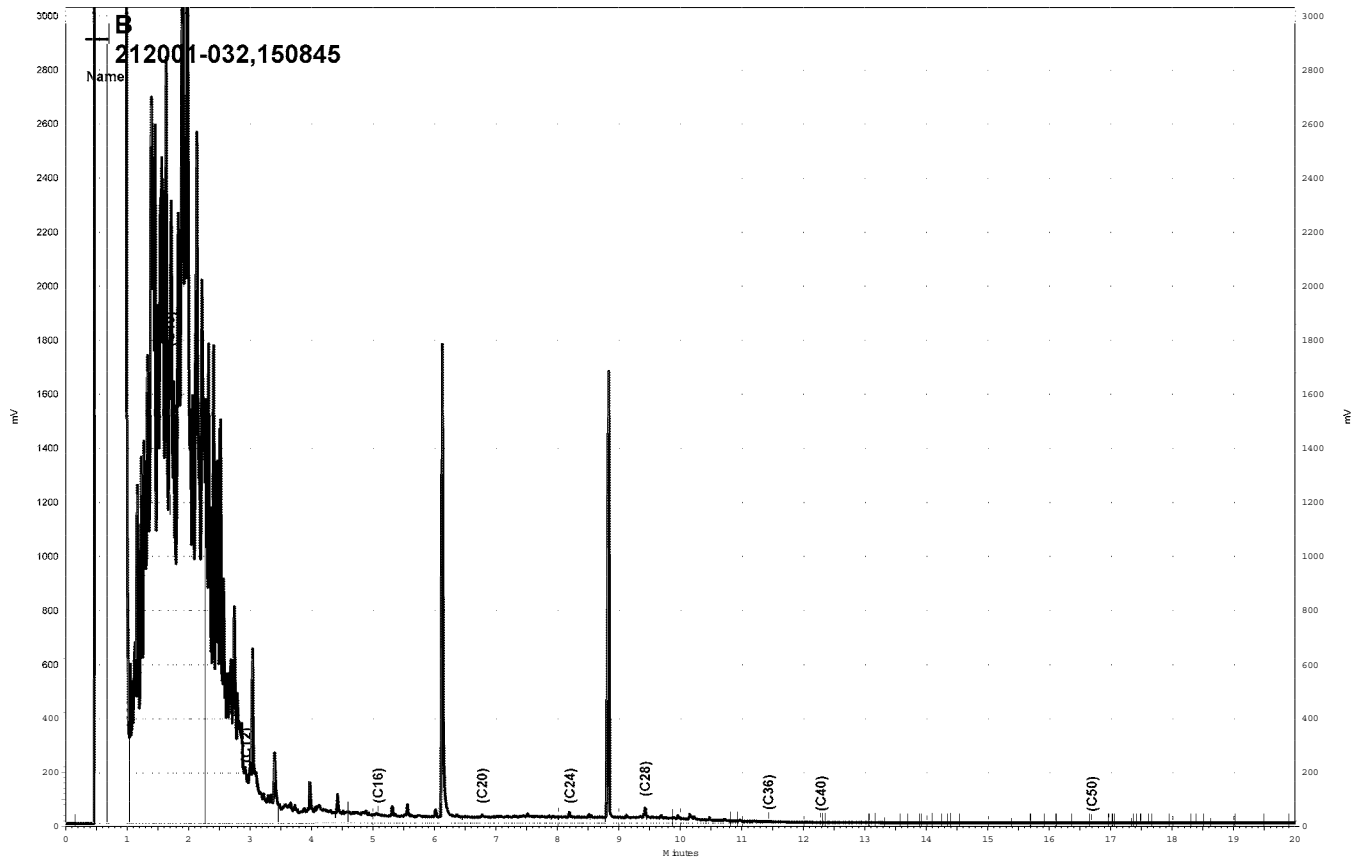
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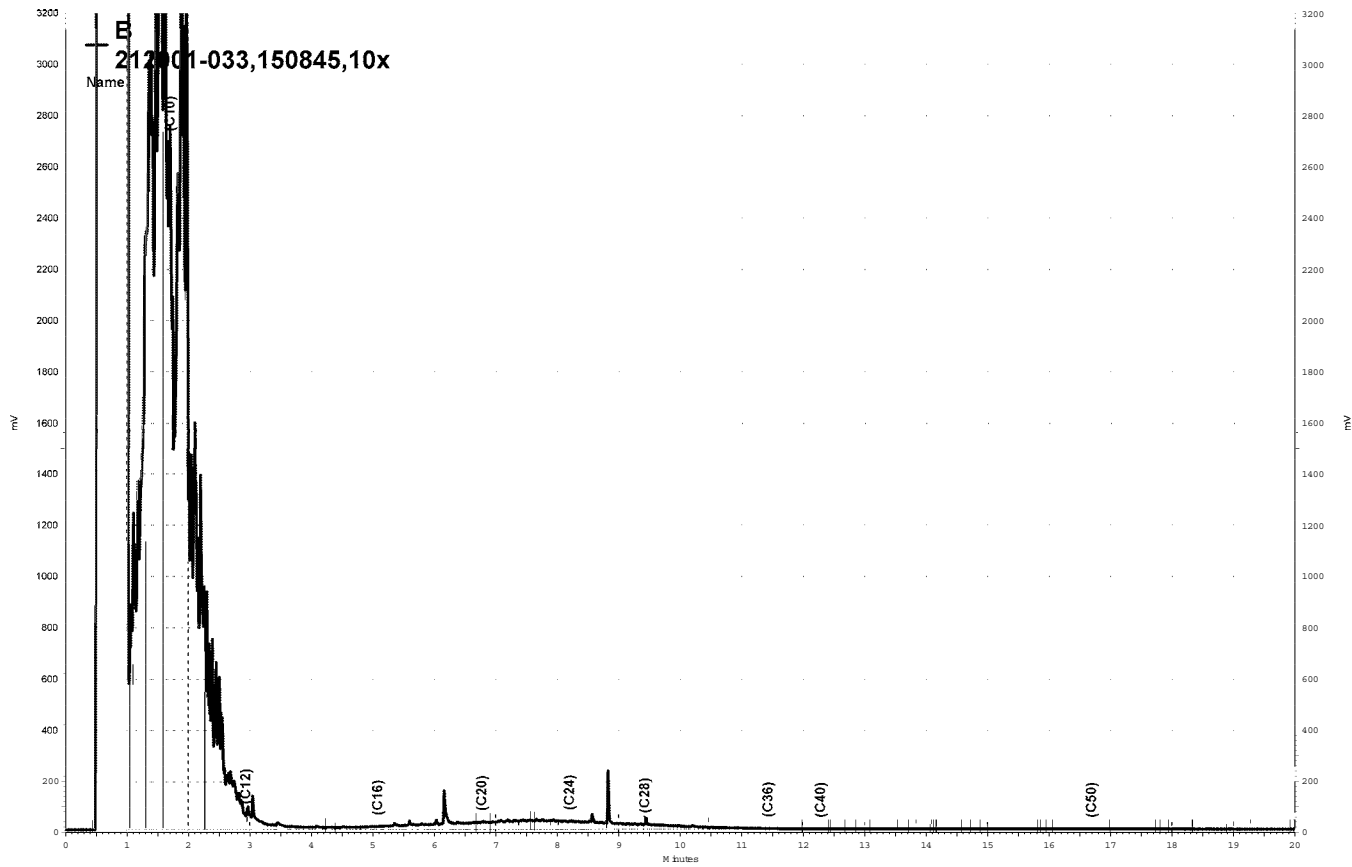
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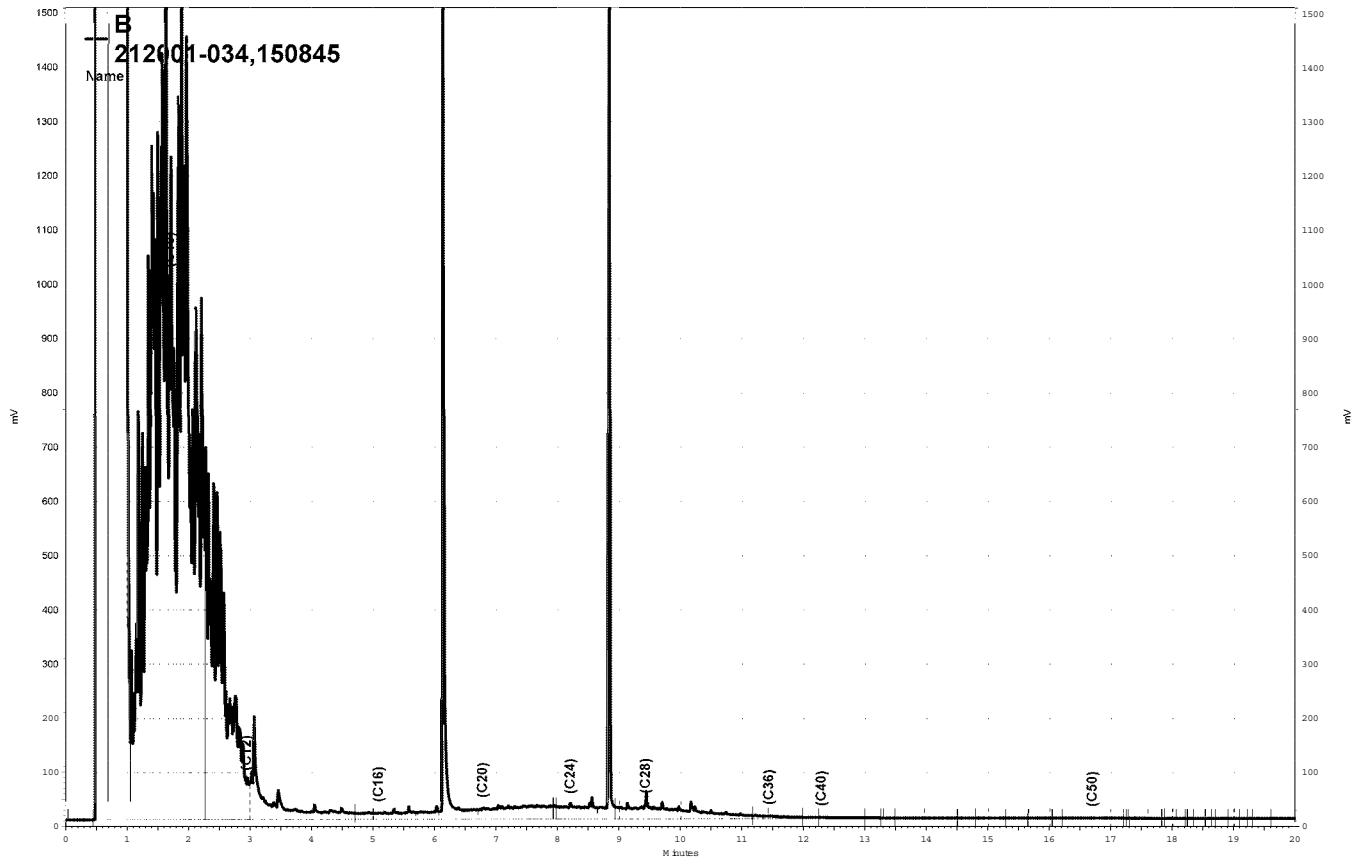
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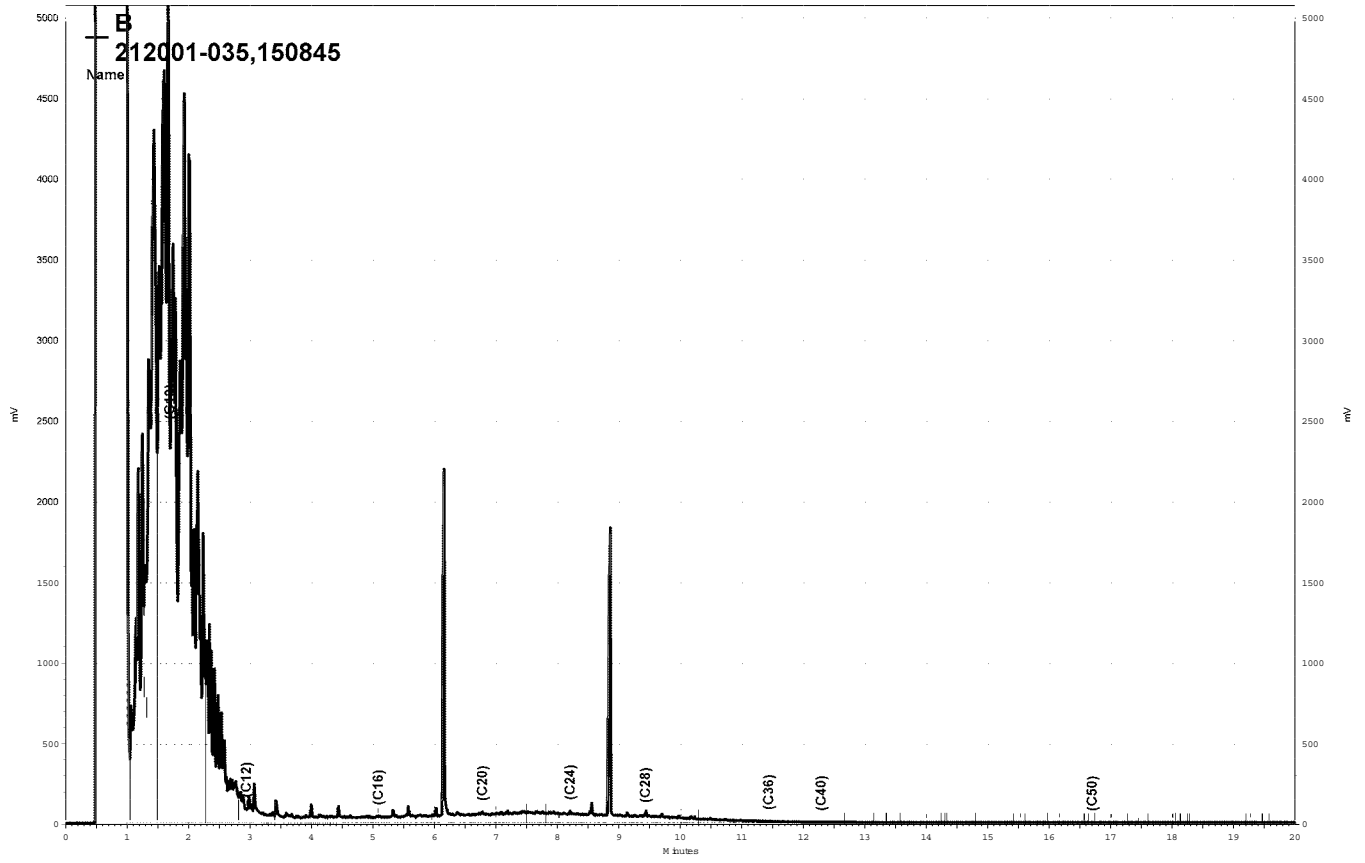
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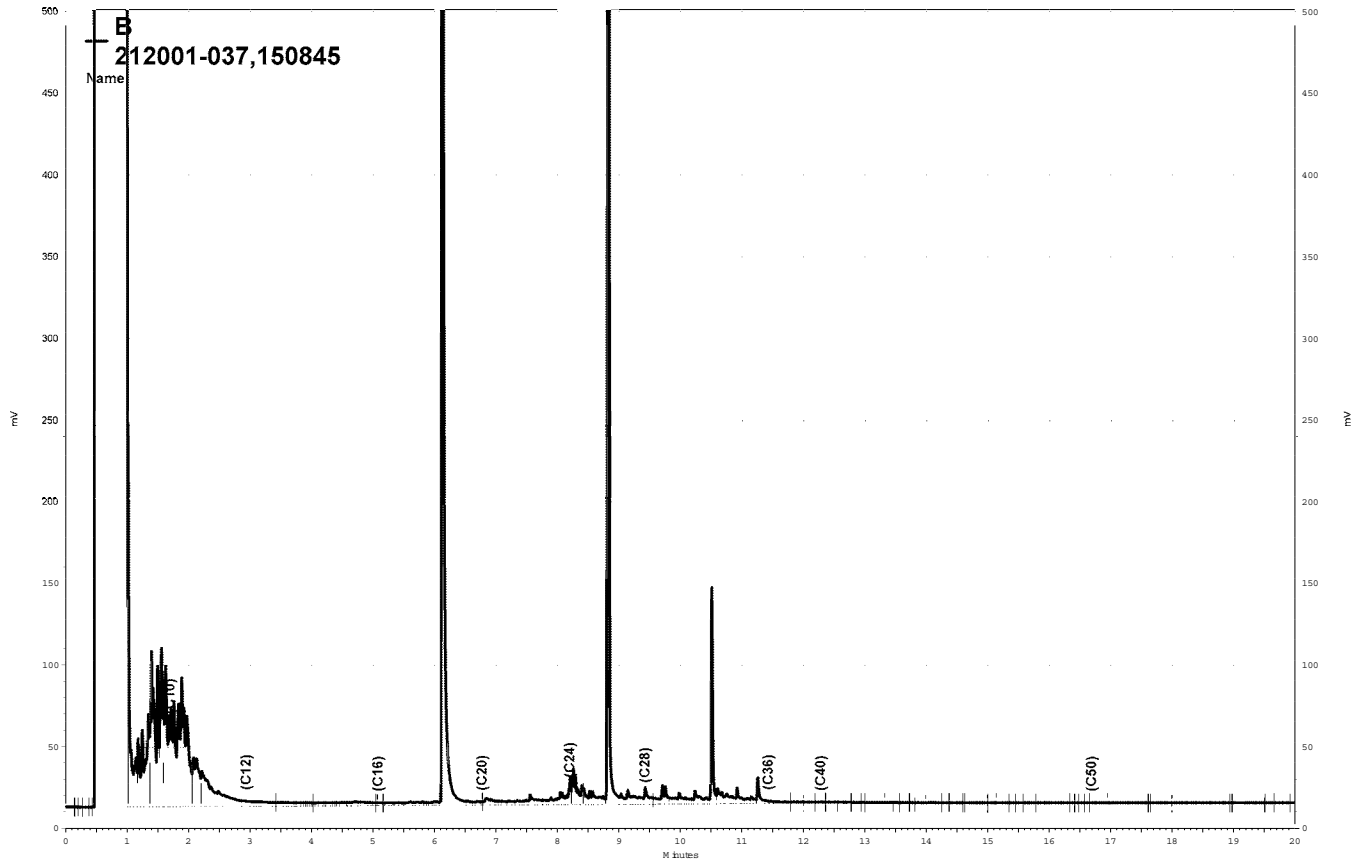
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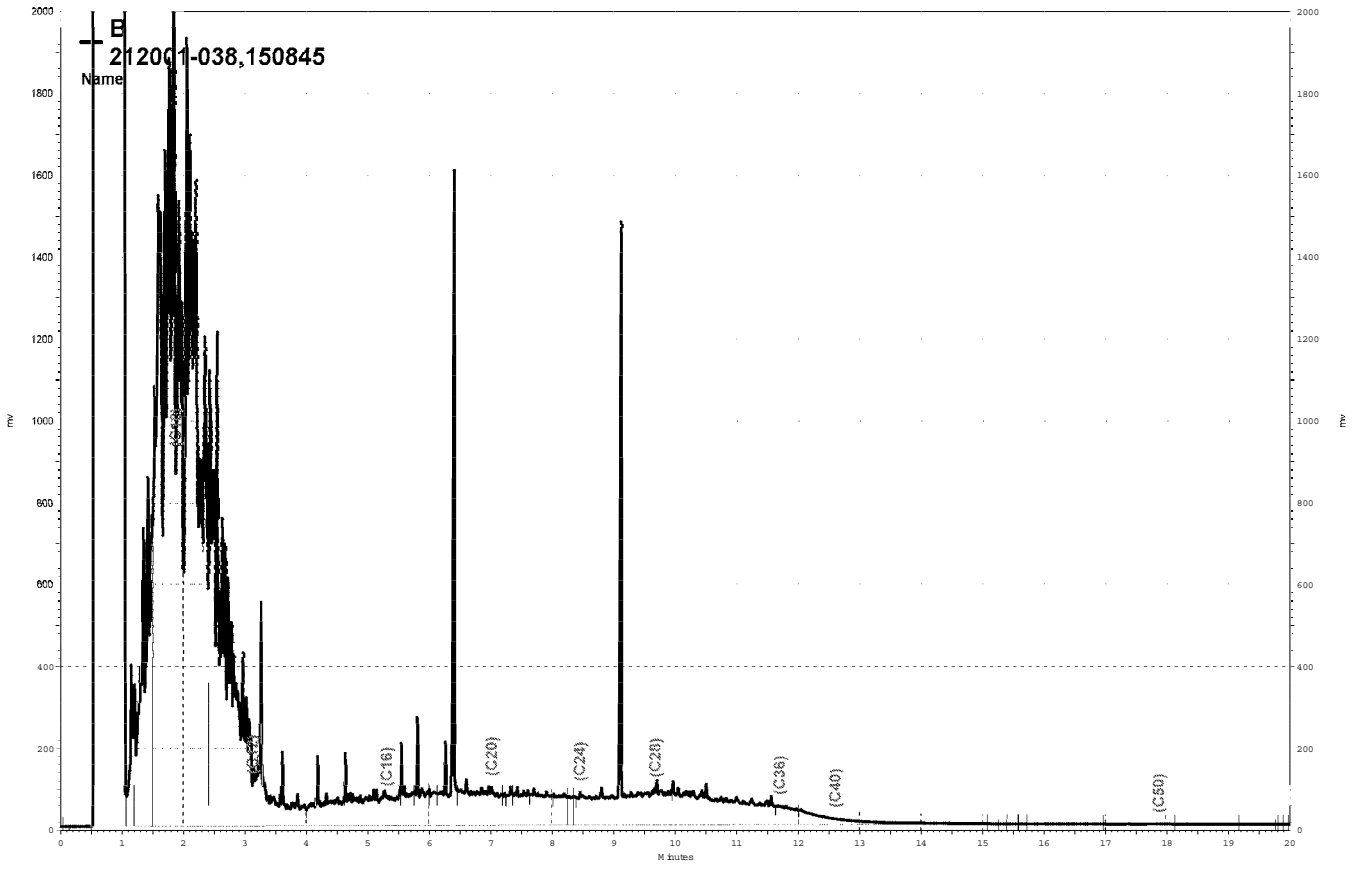
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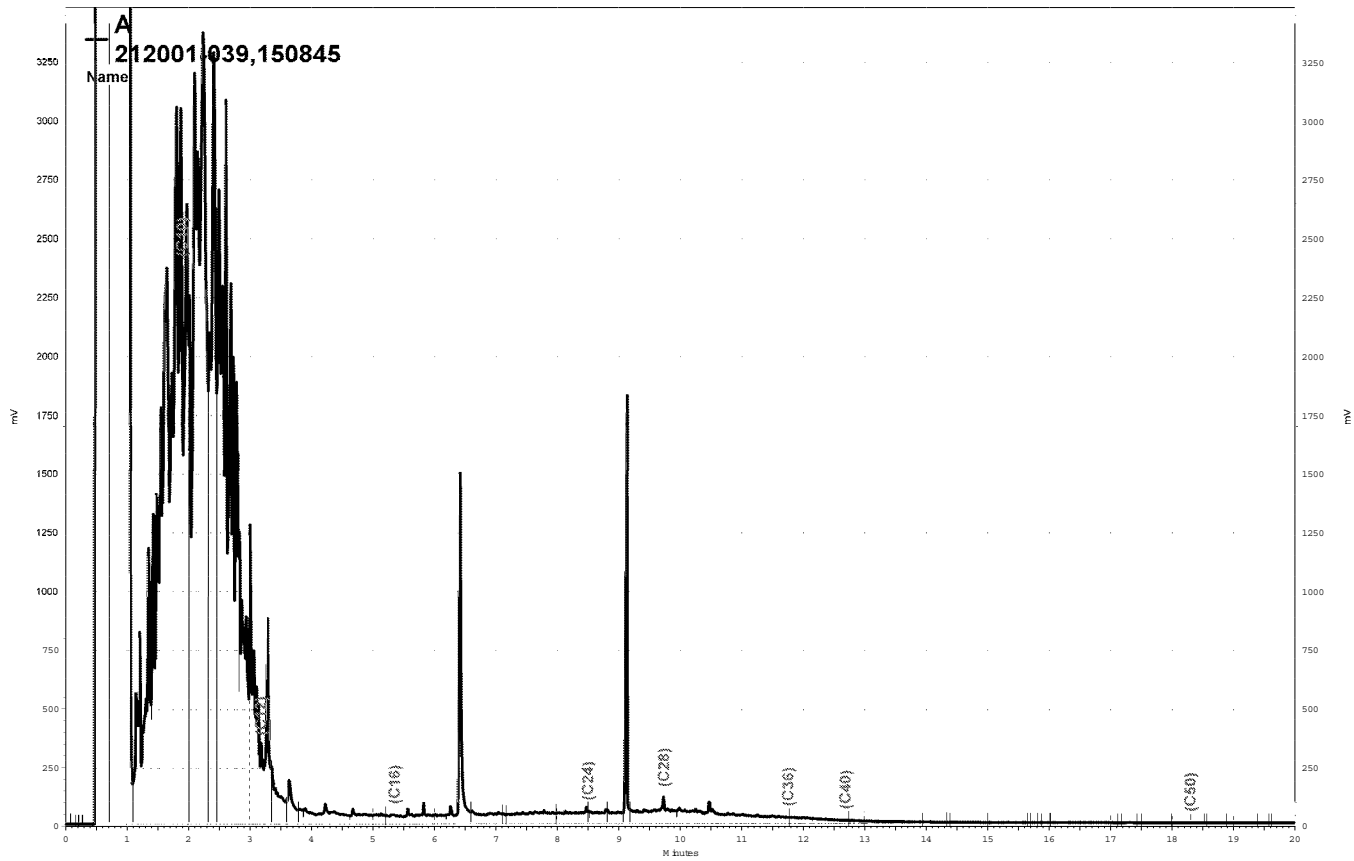
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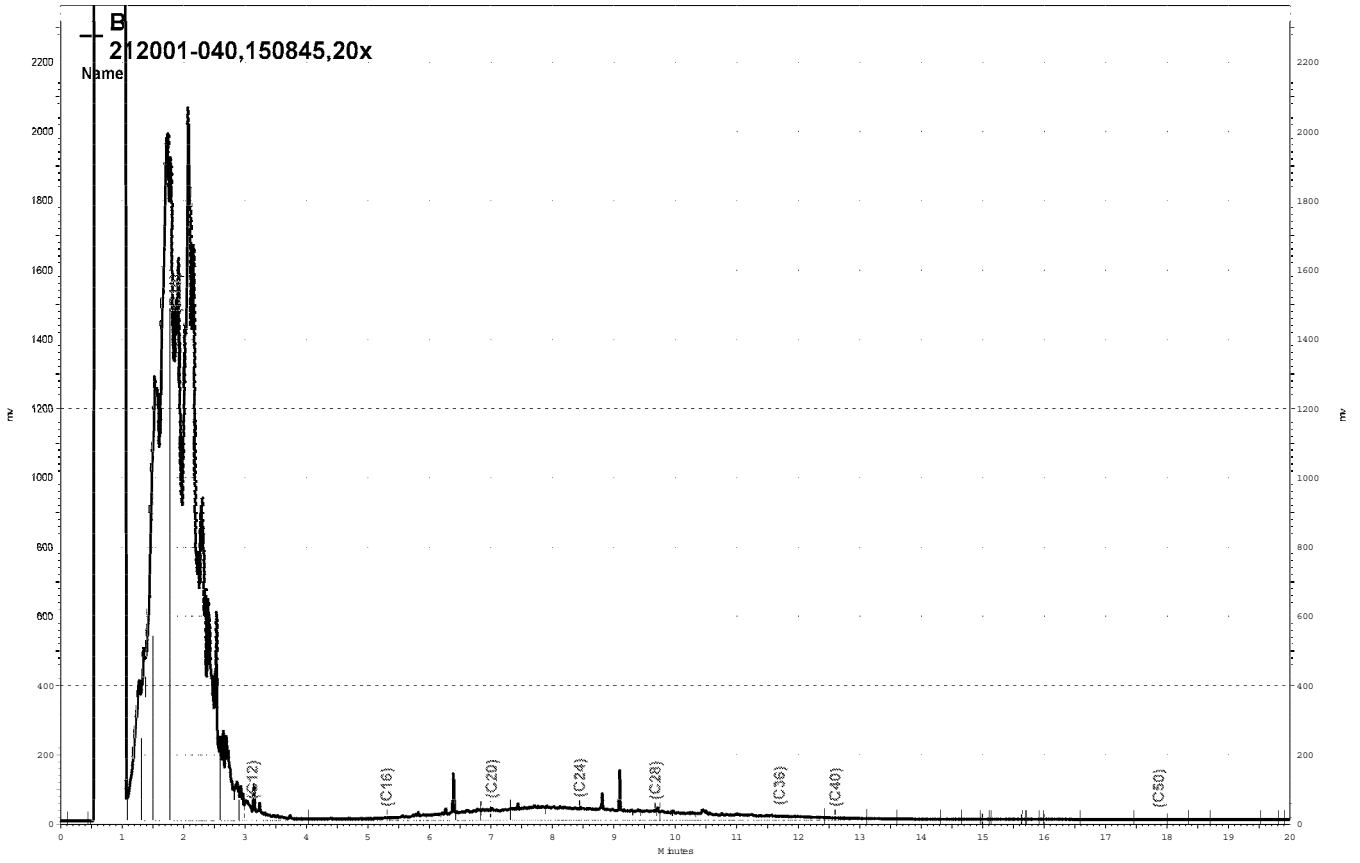
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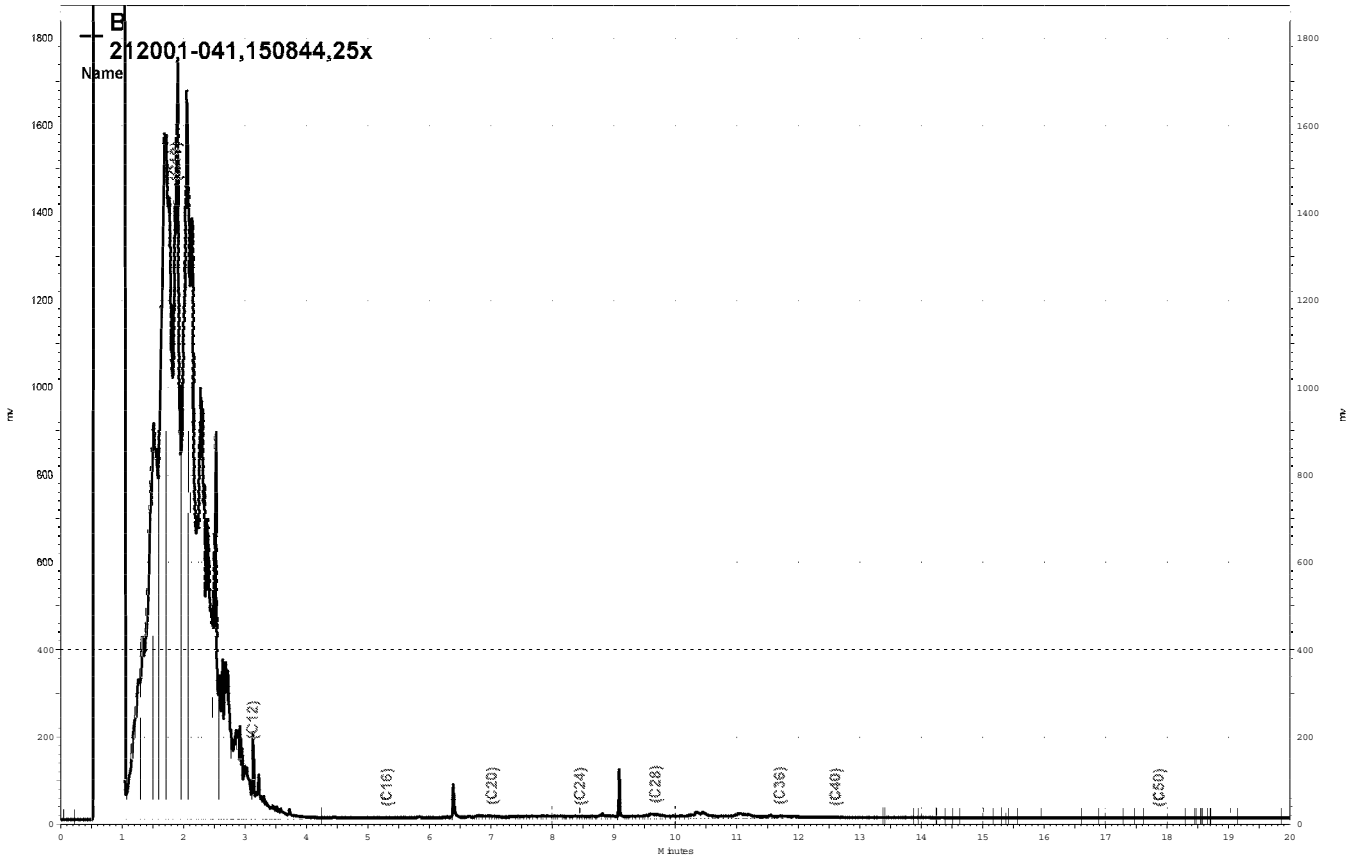
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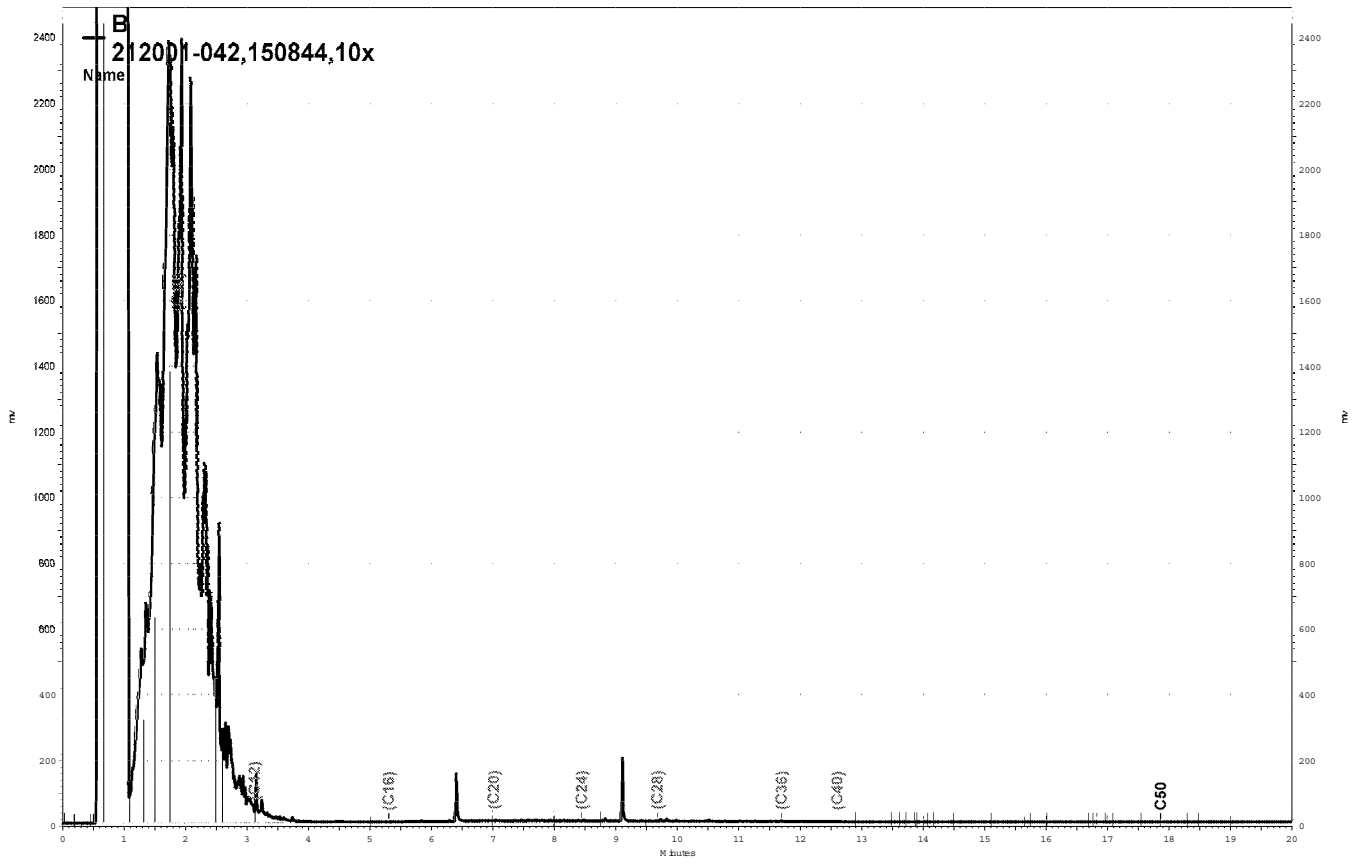
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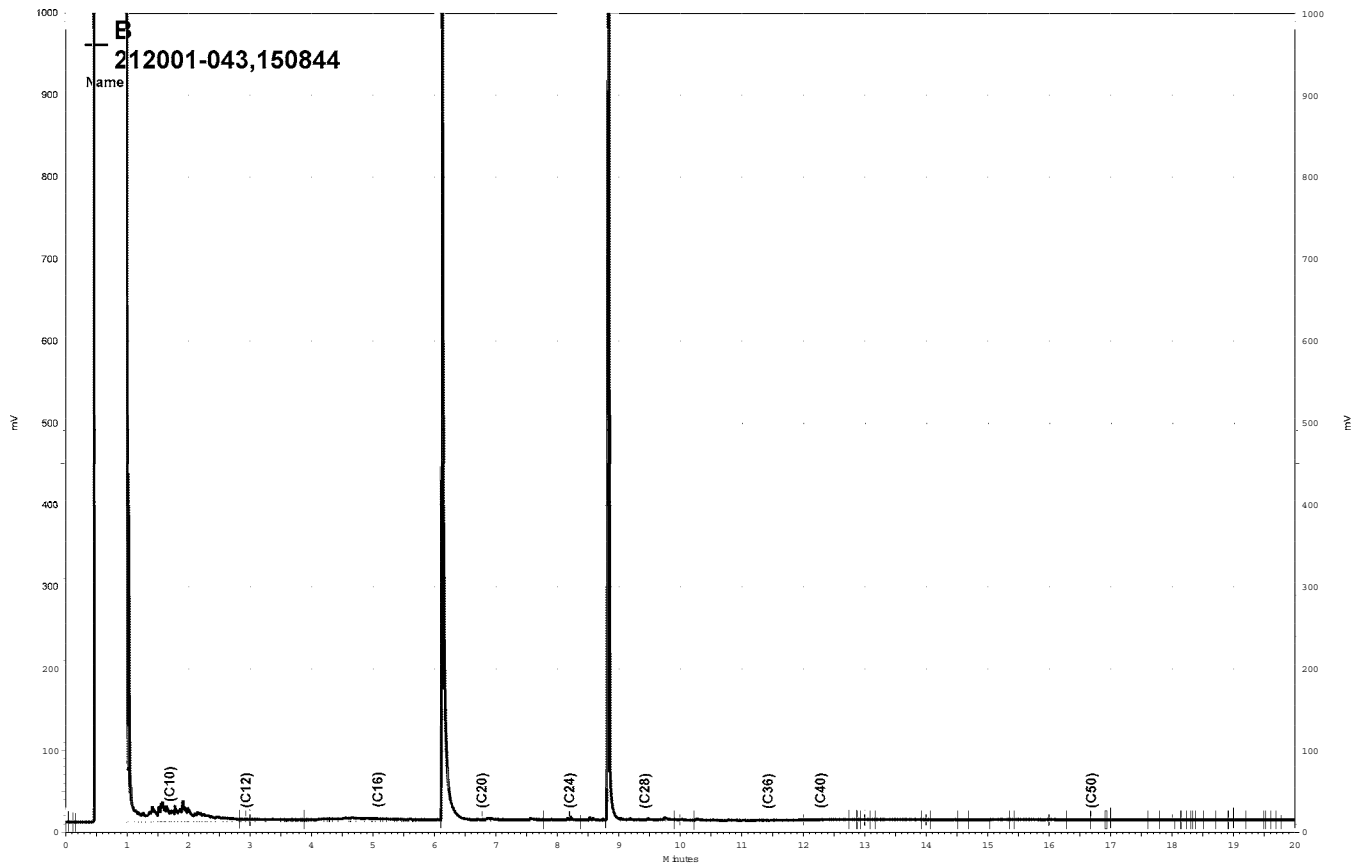
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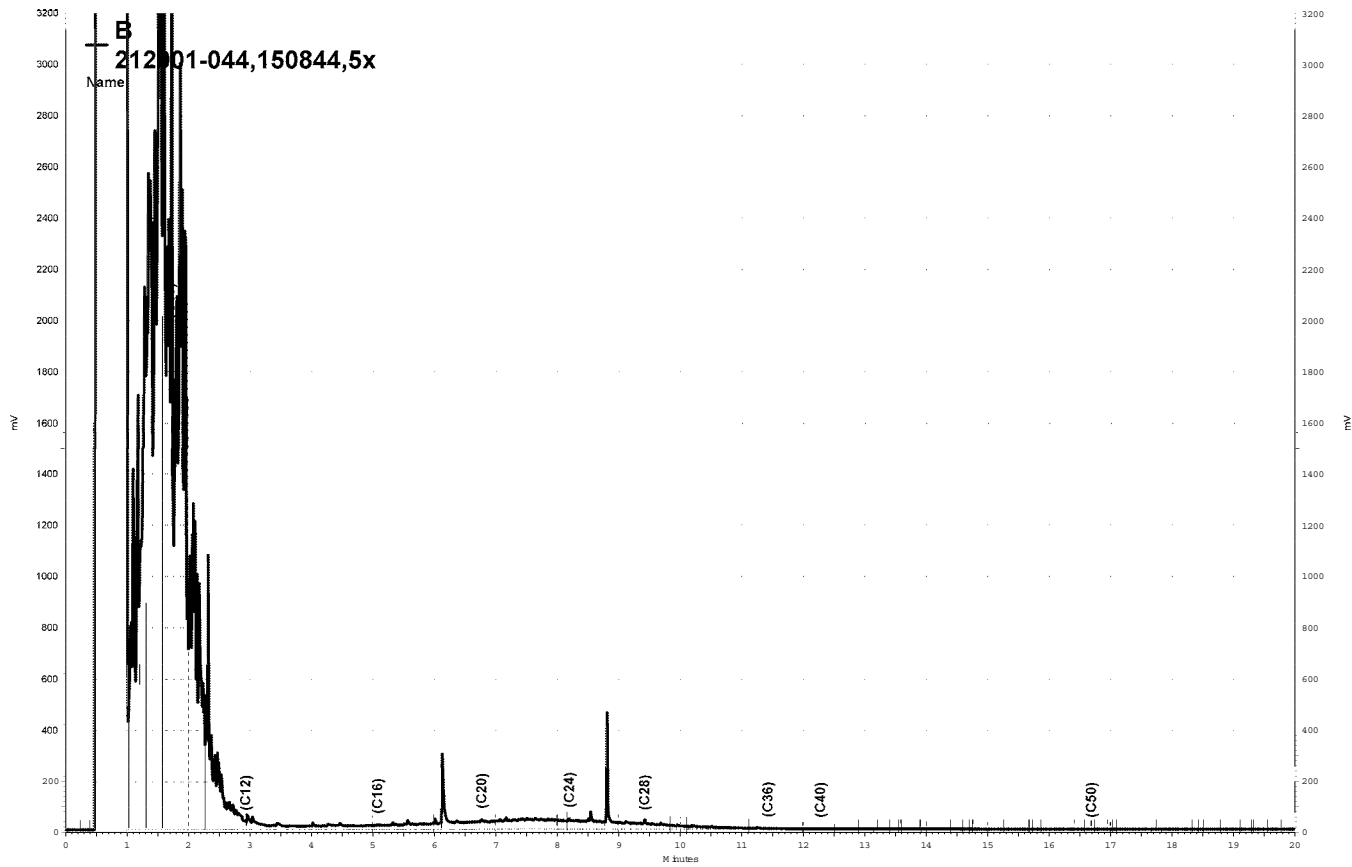
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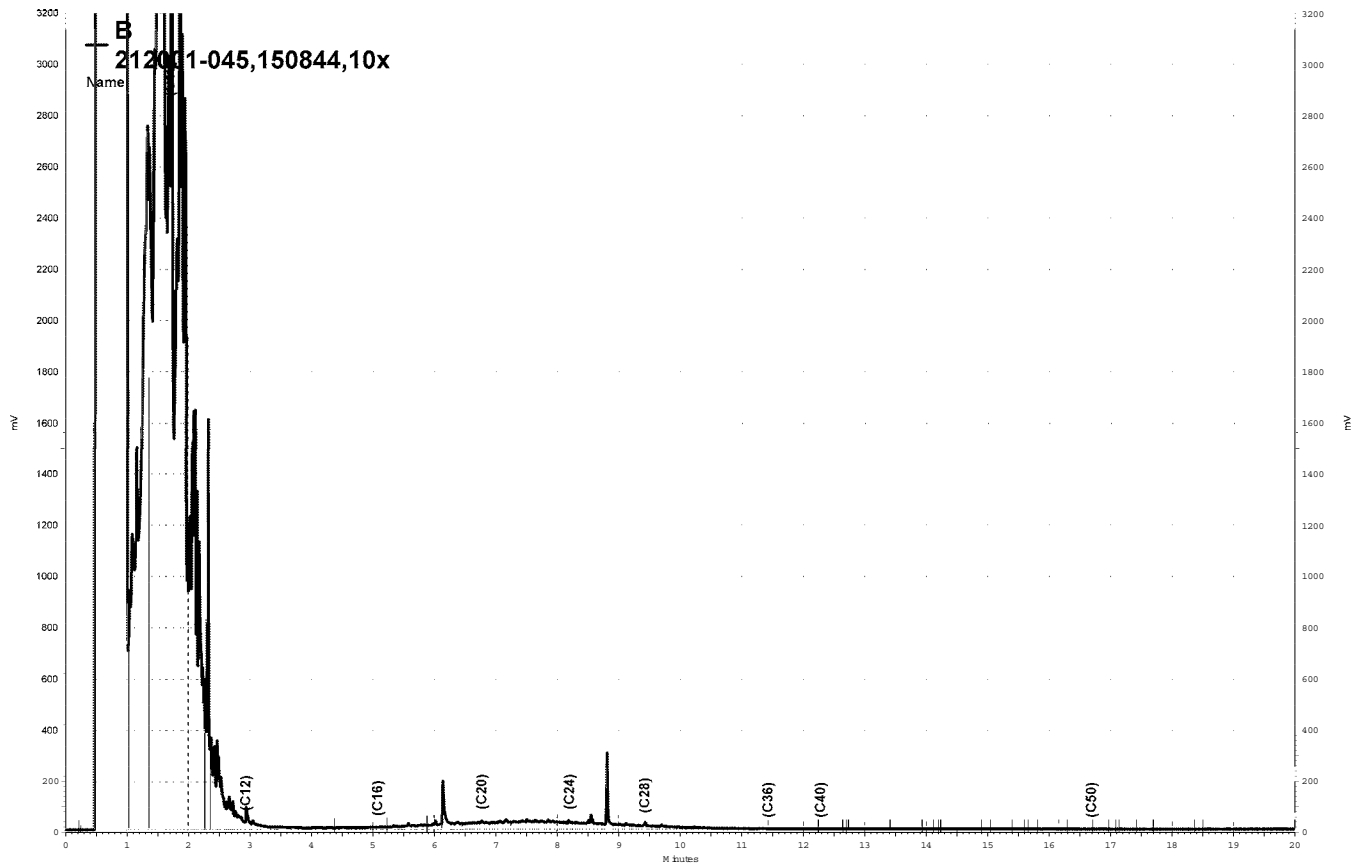
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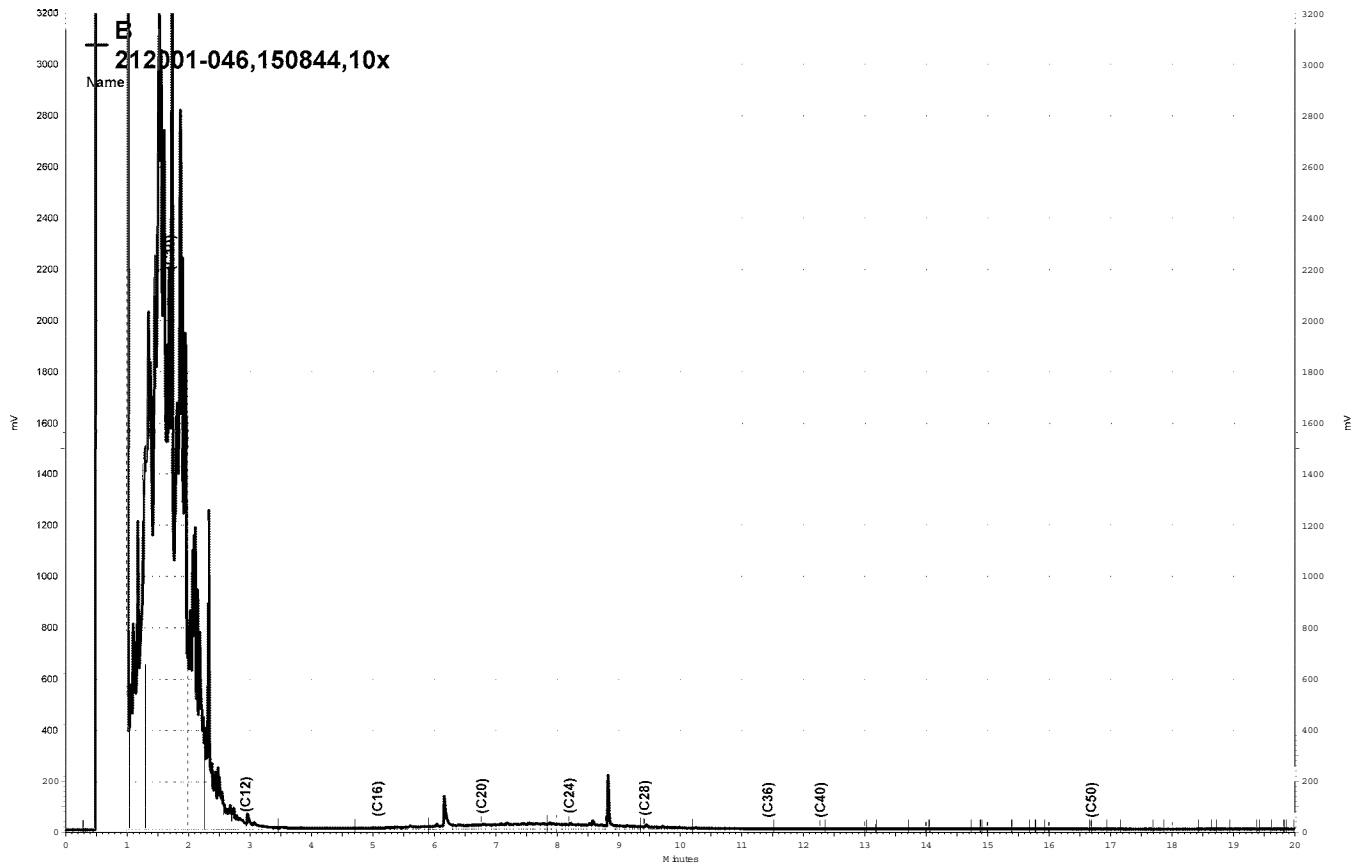
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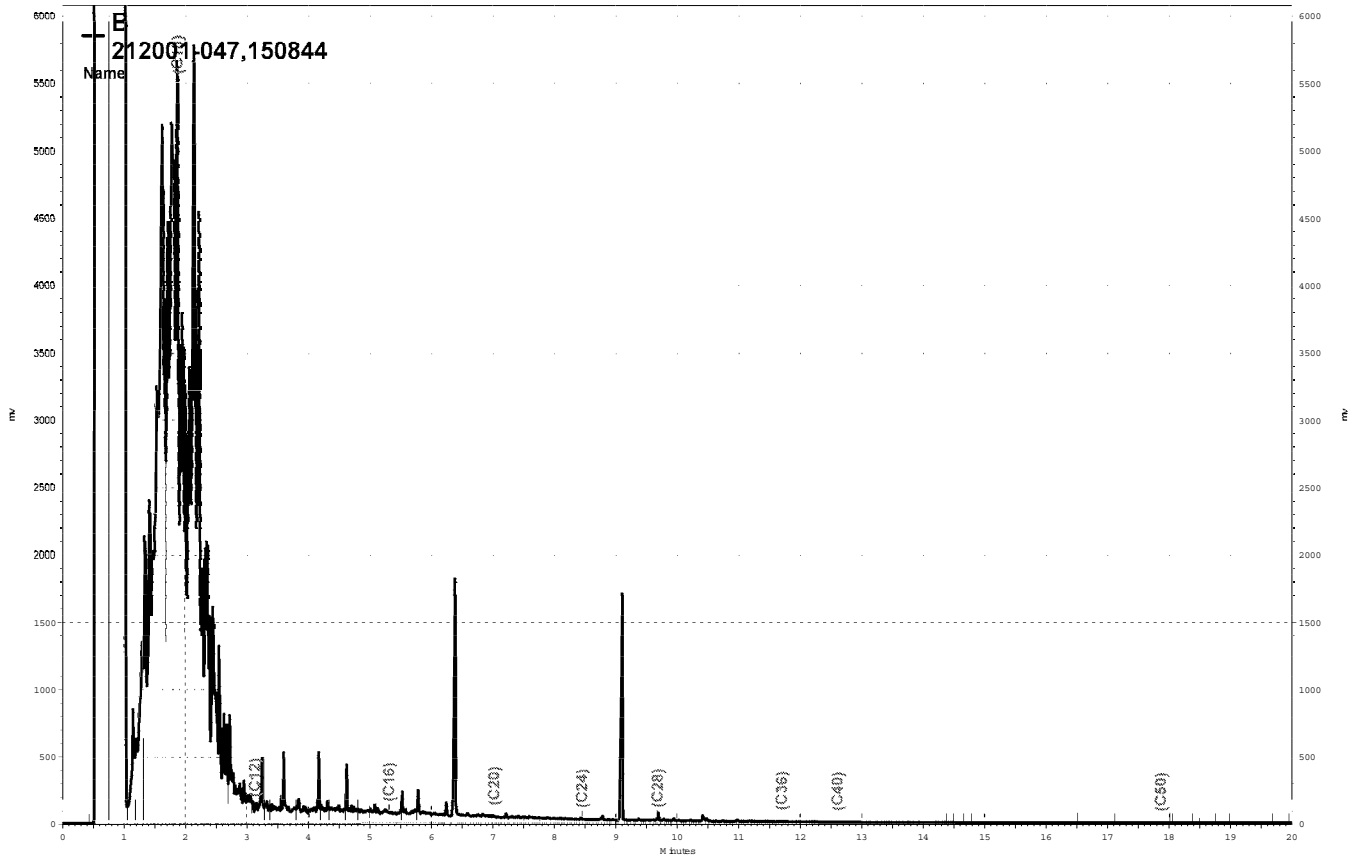
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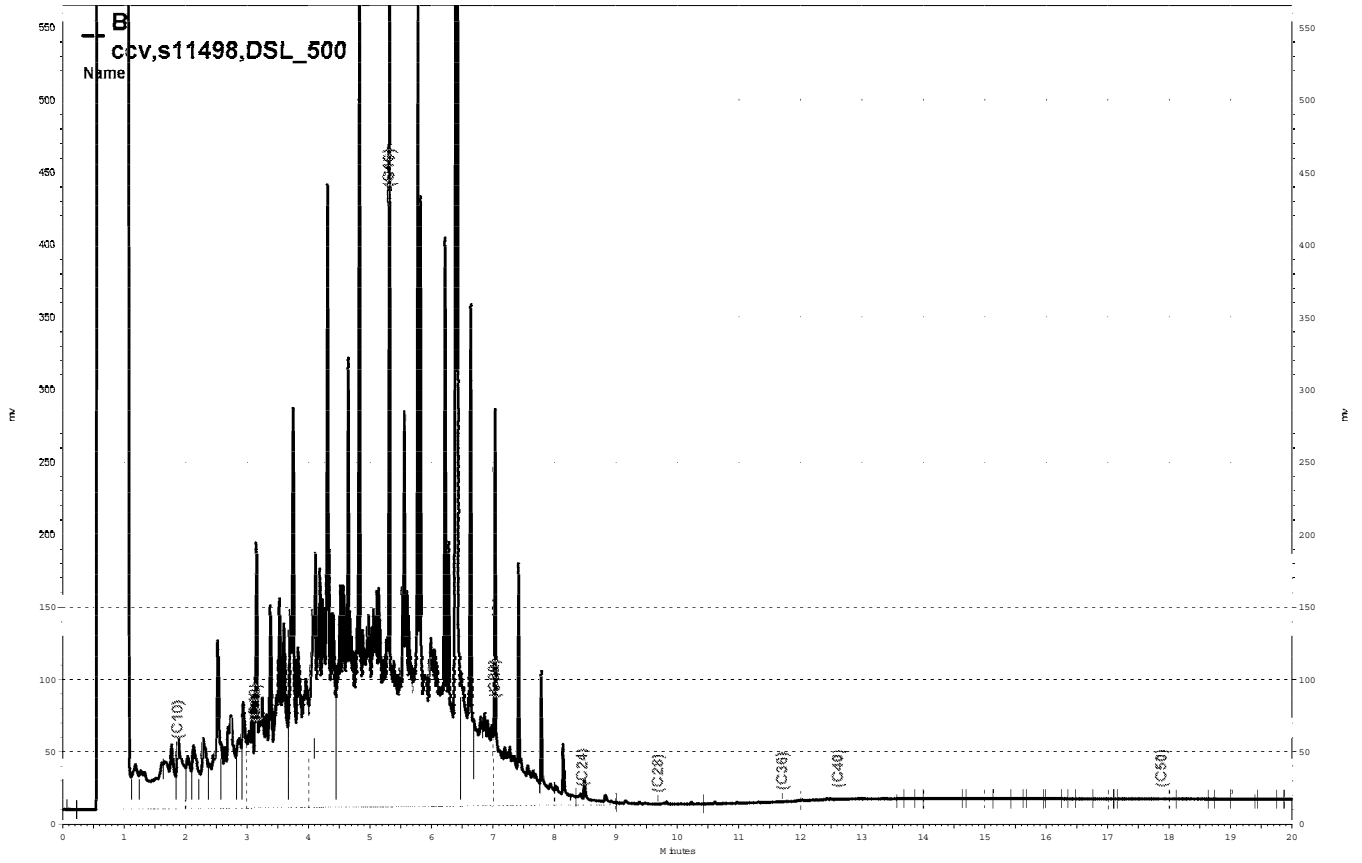
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\\Lin s\drive\ezchrom\Projects\GC15B\Data\131b010,B

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10	Units:	ug/L
Lab ID:	212001-055	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09

Analyte	Result	RL	Diln	Fac	Batch#	Analyzed
Freon 12	ND	33	33.33		150892	05/12/09
tert-Butyl Alcohol (TBA)	ND	330	33.33		150892	05/12/09
Chloromethane	ND	33	33.33		150892	05/12/09
Isopropyl Ether (DIPE)	33	17	33.33		150892	05/12/09
Vinyl Chloride	ND	17	33.33		150892	05/12/09
Bromomethane	ND	33	33.33		150892	05/12/09
Ethyl tert-Butyl Ether (ETBE)	ND	17	33.33		150892	05/12/09
Chloroethane	ND	33	33.33		150892	05/12/09
Methyl tert-Amyl Ether (TAME)	ND	17	33.33		150892	05/12/09
Trichlorofluoromethane	ND	33	33.33		150892	05/12/09
Acetone	ND	330	33.33		150892	05/12/09
Freon 113	ND	67	33.33		150892	05/12/09
1,1-Dichloroethene	ND	17	33.33		150892	05/12/09
Methylene Chloride	ND	330	33.33		150892	05/12/09
Carbon Disulfide	ND	17	33.33		150892	05/12/09
MTBE	94	17	33.33		150892	05/12/09
trans-1,2-Dichloroethene	ND	17	33.33		150892	05/12/09
Vinyl Acetate	ND	330	33.33		150892	05/12/09
1,1-Dichloroethane	ND	17	33.33		150892	05/12/09
2-Butanone	ND	330	33.33		150892	05/12/09
cis-1,2-Dichloroethene	270	17	33.33		150892	05/12/09
2,2-Dichloropropane	ND	17	33.33		150892	05/12/09
Chloroform	ND	17	33.33		150892	05/12/09
Bromochloromethane	ND	17	33.33		150892	05/12/09
1,1,1-Trichloroethane	ND	17	33.33		150892	05/12/09
1,1-Dichloropropene	ND	17	33.33		150892	05/12/09
Carbon Tetrachloride	ND	17	33.33		150892	05/12/09
1,2-Dichloroethane	ND	17	33.33		150892	05/12/09
Benzene	ND	17	33.33		150892	05/12/09
Trichloroethene	480	17	33.33		150892	05/12/09
1,2-Dichloropropane	ND	17	33.33		150892	05/12/09
Bromodichloromethane	ND	17	33.33		150892	05/12/09
Dibromomethane	ND	17	33.33		150892	05/12/09
4-Methyl-2-Pentanone	ND	330	33.33		150892	05/12/09
cis-1,3-Dichloropropene	ND	17	33.33		150892	05/12/09
Toluene	ND	17	33.33		150892	05/12/09
trans-1,3-Dichloropropene	ND	17	33.33		150892	05/12/09
1,1,2-Trichloroethane	ND	17	33.33		150892	05/12/09
2-Hexanone	ND	330	33.33		150892	05/12/09

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10	Units:	ug/L
Lab ID:	212001-055	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	17	33.33	150892	05/12/09
Tetrachloroethene	8,300	83	166.7	150944	05/13/09
Dibromochloromethane	ND	17	33.33	150892	05/12/09
1,2-Dibromoethane	ND	17	33.33	150892	05/12/09
Chlorobenzene	ND	17	33.33	150892	05/12/09
1,1,1,2-Tetrachloroethane	ND	17	33.33	150892	05/12/09
Ethylbenzene	ND	17	33.33	150892	05/12/09
m,p-Xylenes	ND	17	33.33	150892	05/12/09
o-Xylene	ND	17	33.33	150892	05/12/09
Styrene	ND	17	33.33	150892	05/12/09
Bromoform	ND	33	33.33	150892	05/12/09
Isopropylbenzene	ND	17	33.33	150892	05/12/09
1,1,2,2-Tetrachloroethane	ND	17	33.33	150892	05/12/09
1,2,3-Trichloropropane	ND	17	33.33	150892	05/12/09
Propylbenzene	ND	17	33.33	150892	05/12/09
Bromobenzene	ND	17	33.33	150892	05/12/09
1,3,5-Trimethylbenzene	ND	17	33.33	150892	05/12/09
2-Chlorotoluene	ND	17	33.33	150892	05/12/09
4-Chlorotoluene	ND	17	33.33	150892	05/12/09
tert-Butylbenzene	ND	17	33.33	150892	05/12/09
1,2,4-Trimethylbenzene	ND	17	33.33	150892	05/12/09
sec-Butylbenzene	ND	17	33.33	150892	05/12/09
para-Isopropyl Toluene	ND	17	33.33	150892	05/12/09
1,3-Dichlorobenzene	ND	17	33.33	150892	05/12/09
1,4-Dichlorobenzene	ND	17	33.33	150892	05/12/09
n-Butylbenzene	ND	17	33.33	150892	05/12/09
1,2-Dichlorobenzene	ND	17	33.33	150892	05/12/09
1,2-Dibromo-3-Chloropropane	ND	67	33.33	150892	05/12/09
1,2,4-Trichlorobenzene	ND	17	33.33	150892	05/12/09
Hexachlorobutadiene	ND	67	33.33	150892	05/12/09
Naphthalene	ND	67	33.33	150892	05/12/09
1,2,3-Trichlorobenzene	ND	17	33.33	150892	05/12/09

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	113	80-122	33.33	150892	05/12/09
1,2-Dichloroethane-d4	122	77-137	33.33	150892	05/12/09
Toluene-d8	107	80-120	33.33	150892	05/12/09
Bromofluorobenzene	100	80-125	33.33	150892	05/12/09

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12	Batch#:	150944
Lab ID:	212001-057	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Freon 12	ND	50
tert-Butyl Alcohol (TBA)	ND	500
Chloromethane	ND	50
Isopropyl Ether (DIPE)	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	50
Ethyl tert-Butyl Ether (ETBE)	ND	25
Chloroethane	ND	50
Methyl tert-Amyl Ether (TAME)	ND	25
Trichlorofluoromethane	ND	50
Acetone	ND	500
Freon 113	ND	100
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	500
Carbon Disulfide	ND	25
MTBE	90	25
trans-1,2-Dichloroethene	ND	25
Vinyl Acetate	ND	500
1,1-Dichloroethane	ND	25
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	ND	25
Trichloroethene	ND	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	25
Toluene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	500
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	ND	25
m,p-Xylenes	ND	25
o-Xylene	ND	25
Styrene	ND	25
Bromoform	ND	50
Isopropylbenzene	ND	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Propylbenzene	39	25

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12	Batch#:	150944
Lab ID:	212001-057	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	85	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	220	25
sec-Butylbenzene	50	25
para-Isopropyl Toluene	38	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	52	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	100
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	100
Naphthalene	ND	100
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-122
1,2-Dichloroethane-d4	125	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-125

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13	Batch#:	150944
Lab ID:	212001-058	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	2.000		

Analyte	Result	RL
Freon 12	ND	2.0
tert-Butyl Alcohol (TBA)	ND	20
Chloromethane	ND	2.0
Isopropyl Ether (DIPE)	30	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	2.0
Ethyl tert-Butyl Ether (ETBE)	ND	1.0
Chloroethane	ND	2.0
Methyl tert-Amyl Ether (TAME)	ND	1.0
Trichlorofluoromethane	ND	2.0
Acetone	ND	20
Freon 113	ND	4.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	1.0
MTBE	32	1.0
trans-1,2-Dichloroethene	ND	1.0
Vinyl Acetate	ND	20
1,1-Dichloroethane	ND	1.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	67	1.0
2,2-Dichloropropane	ND	1.0
Chloroform	ND	1.0
Bromochloromethane	ND	1.0
1,1,1-Trichloroethane	ND	1.0
1,1-Dichloropropene	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Benzene	1.9	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	23	1.0
Bromodichloromethane	ND	1.0
Dibromomethane	ND	1.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	1.0
Toluene	18	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
2-Hexanone	ND	20
1,3-Dichloropropane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
1,2-Dibromoethane	ND	1.0
Chlorobenzene	ND	1.0
1,1,1,2-Tetrachloroethane	ND	1.0
Ethylbenzene	6.5	1.0
m,p-Xylenes	33	1.0
o-Xylene	20	1.0
Styrene	ND	1.0
Bromoform	ND	2.0
Isopropylbenzene	23	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,2,3-Trichloropropane	ND	1.0
Propylbenzene	43	1.0

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13	Batch#:	150944
Lab ID:	212001-058	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	2.000		

Analyte	Result	RL
Bromobenzene	ND	1.0
1,3,5-Trimethylbenzene	53	1.0
2-Chlorotoluene	ND	1.0
4-Chlorotoluene	ND	1.0
tert-Butylbenzene	1.6	1.0
1,2,4-Trimethylbenzene	180	1.0
sec-Butylbenzene	13	1.0
para-Isopropyl Toluene	7.2	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
n-Butylbenzene	18	1.0
1,2-Dichlorobenzene	1.1	1.0
1,2-Dibromo-3-Chloropropane	ND	4.0
1,2,4-Trichlorobenzene	ND	1.0
Hexachlorobutadiene	ND	4.0
Naphthalene	77	4.0
1,2,3-Trichlorobenzene	ND	1.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	103	80-120
Bromofluorobenzene	93	80-125

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16	Batch#:	150944
Lab ID:	212001-061	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Freon 12	ND	50
tert-Butyl Alcohol (TBA)	ND	500
Chloromethane	ND	50
Isopropyl Ether (DIPE)	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	50
Ethyl tert-Butyl Ether (ETBE)	ND	25
Chloroethane	ND	50
Methyl tert-Amyl Ether (TAME)	ND	25
Trichlorofluoromethane	ND	50
Acetone	ND	500
Freon 113	ND	100
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	500
Carbon Disulfide	ND	25
MTBE	ND	25
trans-1,2-Dichloroethene	ND	25
Vinyl Acetate	ND	500
1,1-Dichloroethane	ND	25
2-Butanone	ND	500
cis-1,2-Dichloroethene	310	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	ND	25
Trichloroethene	ND	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	25
Toluene	45	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	500
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	ND	25
m,p-Xylenes	76	25
o-Xylene	33	25
Styrene	ND	25
Bromoform	ND	50
Isopropylbenzene	61	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Propylbenzene	110	25

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16	Batch#:	150944
Lab ID:	212001-061	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	50.00		

Analyte	Result	RL
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	130	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	400	25
sec-Butylbenzene	130	25
para-Isopropyl Toluene	34	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	120	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	100
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	100
Naphthalene	ND	100
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	105	80-120
Bromofluorobenzene	104	80-125

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	150892
Units:	ug/L	Analyzed:	05/12/09
Diln Fac:	1.000		

Type: BS Lab ID: QC495522

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	81.10	81	55-151
Isopropyl Ether (DIPE)	20.00	20.09	100	65-131
Ethyl tert-Butyl Ether (ETBE)	20.00	19.87	99	75-128
Methyl tert-Amyl Ether (TAME)	20.00	17.77	89	80-121
1,1-Dichloroethene	20.00	21.53	108	74-132
Benzene	20.00	19.29	96	80-120
Trichloroethene	20.00	18.46	92	80-120
Toluene	20.00	19.62	98	80-120
Chlorobenzene	20.00	20.22	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	110	77-137
Toluene-d8	103	80-120
Bromofluorobenzene	93	80-125

Type: BSD Lab ID: QC495523

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	85.85	86	55-151	6	21
Isopropyl Ether (DIPE)	20.00	19.73	99	65-131	2	20
Ethyl tert-Butyl Ether (ETBE)	20.00	19.37	97	75-128	3	20
Methyl tert-Amyl Ether (TAME)	20.00	16.78	84	80-121	6	20
1,1-Dichloroethene	20.00	19.98	100	74-132	8	20
Benzene	20.00	18.44	92	80-120	4	20
Trichloroethene	20.00	19.57	98	80-120	6	20
Toluene	20.00	18.83	94	80-120	4	20
Chlorobenzene	20.00	19.79	99	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	106	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	91	80-125

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495524	Batch#:	150892
Matrix:	Water	Analyzed:	05/12/09
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
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
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495524	Batch#:	150892
Matrix:	Water	Analyzed:	05/12/09
Units:	ug/L		

Analyte	Result	RL
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	108	80-122
1,2-Dichloroethane-d4	111	77-137
Toluene-d8	103	80-120
Bromofluorobenzene	101	80-125

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	150944
Units:	ug/L	Analyzed:	05/13/09
Diln Fac:	1.000		

Type: BS Lab ID: QC495735

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	105.6	106	55-151
Isopropyl Ether (DIPE)	20.00	21.39	107	65-131
Ethyl tert-Butyl Ether (ETBE)	20.00	20.92	105	75-128
Methyl tert-Amyl Ether (TAME)	20.00	18.11	91	80-121
1,1-Dichloroethene	20.00	22.47	112	74-132
Benzene	20.00	19.85	99	80-120
Trichloroethene	20.00	20.05	100	80-120
Toluene	20.00	20.63	103	80-120
Chlorobenzene	20.00	20.50	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	92	80-125

Type: BSD Lab ID: QC495736

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	110.8	111	55-151	5	21
Isopropyl Ether (DIPE)	20.00	22.22	111	65-131	4	20
Ethyl tert-Butyl Ether (ETBE)	20.00	21.38	107	75-128	2	20
Methyl tert-Amyl Ether (TAME)	20.00	19.67	98	80-121	8	20
1,1-Dichloroethene	20.00	23.67	118	74-132	5	20
Benzene	20.00	20.54	103	80-120	3	20
Trichloroethene	20.00	20.44	102	80-120	2	20
Toluene	20.00	20.59	103	80-120	0	20
Chlorobenzene	20.00	20.06	100	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-122
1,2-Dichloroethane-d4	120	77-137
Toluene-d8	105	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495737	Batch#:	150944
Matrix:	Water	Analyzed:	05/13/09
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
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
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495737	Batch#:	150944
Matrix:	Water	Analyzed:	05/13/09
Units:	ug/L		

Analyte	Result	RL
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	113	80-122
1,2-Dichloroethane-d4	117	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-125

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1	Batch#:	151043
Lab ID:	212001-048	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/15/09
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
Acetone	65	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	13	10
cis-1,2-Dichloroethene	3.6	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	1.2	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	0.6	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	0.6	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1	Batch#:	151043
Lab ID:	212001-048	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/15/09
Diln Fac:	1.000		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	0.6	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	1.2	0.5
1,2,4-Trimethylbenzene	1.7	0.5
sec-Butylbenzene	2.2	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	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	97	80-122
1,2-Dichloroethane-d4	95	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-125

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-2	Batch#:	150996
Lab ID:	212001-049	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	16.67		

Analyte	Result	RL
Freon 12	ND	17
tert-Butyl Alcohol (TBA)	ND	170
Chloromethane	ND	17
Isopropyl Ether (DIPE)	ND	8.3
Vinyl Chloride	ND	8.3
Bromomethane	ND	17
Ethyl tert-Butyl Ether (ETBE)	ND	8.3
Chloroethane	ND	17
Methyl tert-Amyl Ether (TAME)	ND	8.3
Trichlorofluoromethane	ND	17
Acetone	ND	170
Freon 113	ND	33
1,1-Dichloroethene	ND	8.3
Methylene Chloride	ND	170
Carbon Disulfide	ND	8.3
MTBE	ND	8.3
trans-1,2-Dichloroethene	ND	8.3
Vinyl Acetate	ND	170
1,1-Dichloroethane	ND	8.3
2-Butanone	ND	170
cis-1,2-Dichloroethene	920	8.3
2,2-Dichloropropane	ND	8.3
Chloroform	ND	8.3
Bromochloromethane	ND	8.3
1,1,1-Trichloroethane	ND	8.3
1,1-Dichloropropene	ND	8.3
Carbon Tetrachloride	ND	8.3
1,2-Dichloroethane	ND	8.3
Benzene	8.7	8.3
Trichloroethene	ND	8.3
1,2-Dichloropropane	ND	8.3
Bromodichloromethane	ND	8.3
Dibromomethane	ND	8.3
4-Methyl-2-Pentanone	ND	170
cis-1,3-Dichloropropene	ND	8.3
Toluene	ND	8.3
trans-1,3-Dichloropropene	ND	8.3
1,1,2-Trichloroethane	ND	8.3
2-Hexanone	ND	170
1,3-Dichloropropane	ND	8.3
Tetrachloroethene	ND	8.3
Dibromochloromethane	ND	8.3
1,2-Dibromoethane	ND	8.3
Chlorobenzene	ND	8.3
1,1,1,2-Tetrachloroethane	ND	8.3
Ethylbenzene	ND	8.3
m,p-Xylenes	ND	8.3
o-Xylene	ND	8.3
Styrene	ND	8.3
Bromoform	ND	17
Isopropylbenzene	ND	8.3
1,1,2,2-Tetrachloroethane	ND	8.3
1,2,3-Trichloropropane	ND	8.3
Propylbenzene	ND	8.3

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-2	Batch#:	150996
Lab ID:	212001-049	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	16.67		

Analyte	Result	RL
Bromobenzene	ND	8.3
1,3,5-Trimethylbenzene	ND	8.3
2-Chlorotoluene	ND	8.3
4-Chlorotoluene	ND	8.3
tert-Butylbenzene	ND	8.3
1,2,4-Trimethylbenzene	ND	8.3
sec-Butylbenzene	ND	8.3
para-Isopropyl Toluene	ND	8.3
1,3-Dichlorobenzene	ND	8.3
1,4-Dichlorobenzene	ND	8.3
n-Butylbenzene	ND	8.3
1,2-Dichlorobenzene	ND	8.3
1,2-Dibromo-3-Chloropropane	ND	33
1,2,4-Trichlorobenzene	ND	8.3
Hexachlorobutadiene	ND	33
Naphthalene	ND	33
1,2,3-Trichlorobenzene	ND	8.3

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-122
1,2-Dichloroethane-d4	123	77-137
Toluene-d8	104	80-120
Bromofluorobenzene	100	80-125

ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4	Units:	ug/L
Lab ID:	212001-050	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	3.3	3.333	151043	05/15/09
tert-Butyl Alcohol (TBA)	ND	33	3.333	151043	05/15/09
Chloromethane	ND	3.3	3.333	151043	05/15/09
Isopropyl Ether (DIPE)	ND	1.7	3.333	151043	05/15/09
Vinyl Chloride	ND	1.7	3.333	151043	05/15/09
Bromomethane	ND	3.3	3.333	151043	05/15/09
Ethyl tert-Butyl Ether (ETBE)	ND	1.7	3.333	151043	05/15/09
Chloroethane	ND	3.3	3.333	151043	05/15/09
Methyl tert-Amyl Ether (TAME)	ND	1.7	3.333	151043	05/15/09
Trichlorofluoromethane	ND	3.3	3.333	151043	05/15/09
Acetone	ND	33	3.333	151043	05/15/09
Freon 113	ND	6.7	3.333	151043	05/15/09
1,1-Dichloroethene	ND	1.7	3.333	151043	05/15/09
Methylene Chloride	ND	33	3.333	151043	05/15/09
Carbon Disulfide	ND	1.7	3.333	151043	05/15/09
MTBE	32	1.7	3.333	151043	05/15/09
trans-1,2-Dichloroethene	ND	1.7	3.333	151043	05/15/09
Vinyl Acetate	ND	33	3.333	151043	05/15/09
1,1-Dichloroethane	ND	1.7	3.333	151043	05/15/09
2-Butanone	ND	33	3.333	151043	05/15/09
cis-1,2-Dichloroethene	68	1.7	3.333	151043	05/15/09
2,2-Dichloropropane	ND	1.7	3.333	151043	05/15/09
Chloroform	ND	1.7	3.333	151043	05/15/09
Bromochloromethane	ND	1.7	3.333	151043	05/15/09
1,1,1-Trichloroethane	ND	1.7	3.333	151043	05/15/09
1,1-Dichloropropene	ND	1.7	3.333	151043	05/15/09
Carbon Tetrachloride	ND	1.7	3.333	151043	05/15/09
1,2-Dichloroethane	ND	1.7	3.333	151043	05/15/09
Benzene	7.2	1.7	3.333	151043	05/15/09
Trichloroethene	ND	1.7	3.333	151043	05/15/09
1,2-Dichloropropane	ND	1.7	3.333	151043	05/15/09
Bromodichloromethane	ND	1.7	3.333	151043	05/15/09
Dibromomethane	ND	1.7	3.333	151043	05/15/09
4-Methyl-2-Pentanone	ND	33	3.333	151043	05/15/09
cis-1,3-Dichloropropene	ND	1.7	3.333	151043	05/15/09
Toluene	9.4	1.7	3.333	151043	05/15/09
trans-1,3-Dichloropropene	ND	1.7	3.333	151043	05/15/09
1,1,2-Trichloroethane	ND	1.7	3.333	151043	05/15/09
2-Hexanone	ND	33	3.333	151043	05/15/09

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4	Units:	ug/L
Lab ID:	212001-050	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	1.7	3.333	151043	05/15/09
Tetrachloroethene	2.9	1.7	3.333	151043	05/15/09
Dibromochloromethane	ND	1.7	3.333	151043	05/15/09
1,2-Dibromoethane	ND	1.7	3.333	151043	05/15/09
Chlorobenzene	ND	1.7	3.333	151043	05/15/09
1,1,1,2-Tetrachloroethane	ND	1.7	3.333	151043	05/15/09
Ethylbenzene	7.8	1.7	3.333	151043	05/15/09
m,p-Xylenes	61	1.7	3.333	151043	05/15/09
o-Xylene	18	1.7	3.333	151043	05/15/09
Styrene	ND	1.7	3.333	151043	05/15/09
Bromoform	ND	3.3	3.333	151043	05/15/09
Isopropylbenzene	10	1.7	3.333	151043	05/15/09
1,1,2,2-Tetrachloroethane	ND	1.7	3.333	151043	05/15/09
1,2,3-Trichloropropane	ND	1.7	3.333	151043	05/15/09
Propylbenzene	26	1.7	3.333	151043	05/15/09
Bromobenzene	ND	1.7	3.333	151043	05/15/09
1,3,5-Trimethylbenzene	95	1.7	3.333	151043	05/15/09
2-Chlorotoluene	ND	1.7	3.333	151043	05/15/09
4-Chlorotoluene	ND	1.7	3.333	151043	05/15/09
tert-Butylbenzene	5.3	1.7	3.333	151043	05/15/09
1,2,4-Trimethylbenzene	240	20	40.00	150997	05/14/09
sec-Butylbenzene	27	1.7	3.333	151043	05/15/09
para-Isopropyl Toluene	13	1.7	3.333	151043	05/15/09
1,3-Dichlorobenzene	ND	1.7	3.333	151043	05/15/09
1,4-Dichlorobenzene	ND	1.7	3.333	151043	05/15/09
n-Butylbenzene	ND	1.7	3.333	151043	05/15/09
1,2-Dichlorobenzene	ND	1.7	3.333	151043	05/15/09
1,2-Dibromo-3-Chloropropane	ND	6.7	3.333	151043	05/15/09
1,2,4-Trichlorobenzene	ND	1.7	3.333	151043	05/15/09
Hexachlorobutadiene	ND	6.7	3.333	151043	05/15/09
Naphthalene	7.9	6.7	3.333	151043	05/15/09
1,2,3-Trichlorobenzene	ND	1.7	3.333	151043	05/15/09

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	94	80-122	3.333	151043	05/15/09
1,2-Dichloroethane-d4	92	77-137	3.333	151043	05/15/09
Toluene-d8	98	80-120	3.333	151043	05/15/09
Bromofluorobenzene	121	80-125	3.333	151043	05/15/09

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-5	Batch#:	150997
Lab ID:	212001-051	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	25.00		

Analyte	Result	RL
Freon 12	ND	25
tert-Butyl Alcohol (TBA)	ND	250
Chloromethane	ND	25
Isopropyl Ether (DIPE)	ND	13
Vinyl Chloride	ND	13
Bromomethane	ND	25
Ethyl tert-Butyl Ether (ETBE)	ND	13
Chloroethane	ND	25
Methyl tert-Amyl Ether (TAME)	ND	13
Trichlorofluoromethane	ND	25
Acetone	ND	250
Freon 113	ND	50
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	250
Carbon Disulfide	ND	13
MTBE	ND	13
trans-1,2-Dichloroethene	ND	13
Vinyl Acetate	ND	250
1,1-Dichloroethane	ND	13
2-Butanone	ND	250
cis-1,2-Dichloroethene	1,700	13
2,2-Dichloropropane	ND	13
Chloroform	ND	13
Bromochloromethane	ND	13
1,1,1-Trichloroethane	ND	13
1,1-Dichloropropene	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Benzene	ND	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
Dibromomethane	ND	13
4-Methyl-2-Pentanone	ND	250
cis-1,3-Dichloropropene	ND	13
Toluene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
2-Hexanone	ND	250
1,3-Dichloropropane	ND	13
Tetrachloroethene	ND	13
Dibromochloromethane	ND	13
1,2-Dibromoethane	ND	13
Chlorobenzene	ND	13
1,1,1,2-Tetrachloroethane	ND	13
Ethylbenzene	ND	13
m,p-Xylenes	ND	13
o-Xylene	ND	13
Styrene	ND	13
Bromoform	ND	25
Isopropylbenzene	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,2,3-Trichloropropane	ND	13
Propylbenzene	ND	13

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-5	Batch#:	150997
Lab ID:	212001-051	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	25.00		

Analyte	Result	RL
Bromobenzene	ND	13
1,3,5-Trimethylbenzene	ND	13
2-Chlorotoluene	ND	13
4-Chlorotoluene	ND	13
tert-Butylbenzene	ND	13
1,2,4-Trimethylbenzene	ND	13
sec-Butylbenzene	ND	13
para-Isopropyl Toluene	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
n-Butylbenzene	ND	13
1,2-Dichlorobenzene	ND	13
1,2-Dibromo-3-Chloropropane	ND	50
1,2,4-Trichlorobenzene	ND	13
Hexachlorobutadiene	ND	50
Naphthalene	ND	50
1,2,3-Trichlorobenzene	ND	13

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	96	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-125

ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7	Units:	ug/L
Lab ID:	212001-052	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	151043	05/15/09
tert-Butyl Alcohol (TBA)	ND	10	1.000	151043	05/15/09
Chloromethane	ND	1.0	1.000	151043	05/15/09
Isopropyl Ether (DIPE)	ND	0.5	1.000	151043	05/15/09
Vinyl Chloride	ND	0.5	1.000	151043	05/15/09
Bromomethane	ND	1.0	1.000	151043	05/15/09
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	151043	05/15/09
Chloroethane	ND	1.0	1.000	151043	05/15/09
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	151043	05/15/09
Trichlorofluoromethane	ND	1.0	1.000	151043	05/15/09
Acetone	ND	10	1.000	151043	05/15/09
Freon 113	ND	2.0	1.000	151043	05/15/09
1,1-Dichloroethene	ND	0.5	1.000	151043	05/15/09
Methylene Chloride	ND	10	1.000	151043	05/15/09
Carbon Disulfide	ND	0.5	1.000	151043	05/15/09
MTBE	ND	0.5	1.000	151043	05/15/09
trans-1,2-Dichloroethene	9.7	0.5	1.000	151043	05/15/09
Vinyl Acetate	ND	10	1.000	151043	05/15/09
1,1-Dichloroethane	ND	0.5	1.000	151043	05/15/09
2-Butanone	ND	10	1.000	151043	05/15/09
cis-1,2-Dichloroethene	77	1.3	2.500	150997	05/14/09
2,2-Dichloropropane	ND	0.5	1.000	151043	05/15/09
Chloroform	ND	0.5	1.000	151043	05/15/09
Bromochloromethane	ND	0.5	1.000	151043	05/15/09
1,1,1-Trichloroethane	ND	0.5	1.000	151043	05/15/09
1,1-Dichloropropene	ND	0.5	1.000	151043	05/15/09
Carbon Tetrachloride	ND	0.5	1.000	151043	05/15/09
1,2-Dichloroethane	ND	0.5	1.000	151043	05/15/09
Benzene	ND	0.5	1.000	151043	05/15/09
Trichloroethene	1.8	0.5	1.000	151043	05/15/09
1,2-Dichloropropane	ND	0.5	1.000	151043	05/15/09
Bromodichloromethane	ND	0.5	1.000	151043	05/15/09
Dibromomethane	ND	0.5	1.000	151043	05/15/09
4-Methyl-2-Pentanone	ND	10	1.000	151043	05/15/09
cis-1,3-Dichloropropene	ND	0.5	1.000	151043	05/15/09
Toluene	ND	0.5	1.000	151043	05/15/09
trans-1,3-Dichloropropene	ND	0.5	1.000	151043	05/15/09
1,1,2-Trichloroethane	ND	0.5	1.000	151043	05/15/09
2-Hexanone	ND	10	1.000	151043	05/15/09

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7	Units:	ug/L
Lab ID:	212001-052	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	0.5	1.000	151043	05/15/09
Tetrachloroethene	5.2	0.5	1.000	151043	05/15/09
Dibromochloromethane	ND	0.5	1.000	151043	05/15/09
1,2-Dibromoethane	ND	0.5	1.000	151043	05/15/09
Chlorobenzene	ND	0.5	1.000	151043	05/15/09
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	151043	05/15/09
Ethylbenzene	ND	0.5	1.000	151043	05/15/09
m,p-Xylenes	3.2	0.5	1.000	151043	05/15/09
o-Xylene	ND	0.5	1.000	151043	05/15/09
Styrene	ND	0.5	1.000	151043	05/15/09
Bromoform	ND	1.0	1.000	151043	05/15/09
Isopropylbenzene	0.5	0.5	1.000	151043	05/15/09
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	151043	05/15/09
1,2,3-Trichloropropane	ND	0.5	1.000	151043	05/15/09
Propylbenzene	0.9	0.5	1.000	151043	05/15/09
Bromobenzene	ND	0.5	1.000	151043	05/15/09
1,3,5-Trimethylbenzene	8.6	0.5	1.000	151043	05/15/09
2-Chlorotoluene	ND	0.5	1.000	151043	05/15/09
4-Chlorotoluene	ND	0.5	1.000	151043	05/15/09
tert-Butylbenzene	0.7	0.5	1.000	151043	05/15/09
1,2,4-Trimethylbenzene	28	0.5	1.000	151043	05/15/09
sec-Butylbenzene	1.8	0.5	1.000	151043	05/15/09
para-Isopropyl Toluene	2.8	0.5	1.000	151043	05/15/09
1,3-Dichlorobenzene	ND	0.5	1.000	151043	05/15/09
1,4-Dichlorobenzene	ND	0.5	1.000	151043	05/15/09
n-Butylbenzene	2.1	0.5	1.000	151043	05/15/09
1,2-Dichlorobenzene	ND	0.5	1.000	151043	05/15/09
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	151043	05/15/09
1,2,4-Trichlorobenzene	ND	0.5	1.000	151043	05/15/09
Hexachlorobutadiene	ND	2.0	1.000	151043	05/15/09
Naphthalene	ND	2.0	1.000	151043	05/15/09
1,2,3-Trichlorobenzene	ND	0.5	1.000	151043	05/15/09

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	95	80-122	1.000	151043	05/15/09
1,2-Dichloroethane-d4	92	77-137	1.000	151043	05/15/09
Toluene-d8	97	80-120	1.000	151043	05/15/09
Bromofluorobenzene	98	80-125	1.000	151043	05/15/09

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8	Batch#:	151043
Lab ID:	212001-053	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/15/09
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)	3.0	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
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	0.7	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	82	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	25	0.5
1,2-Dichloropropane	0.8	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	94	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
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8	Batch#:	151043
Lab ID:	212001-053	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/15/09
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5	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	94	80-122
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-125

ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9	Batch#:	150997
Lab ID:	212001-054	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
tert-Butyl Alcohol (TBA)	ND	50
Chloromethane	ND	5.0
Isopropyl Ether (DIPE)	3.1	2.5
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.5
Chloroethane	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	2.5
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	4.2	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	240	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	29	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	15	2.5
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9	Batch#:	150997
Lab ID:	212001-054	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	5.000		

Analyte	Result	RL
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	3.8	2.5
1,2,4-Trimethylbenzene	9.8	2.5
sec-Butylbenzene	9.2	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	6.9	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	95	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-125

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11	Batch#:	150997
Lab ID:	212001-056	Sampled:	05/04/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	3.333		

Analyte	Result	RL
Freon 12	ND	3.3
tert-Butyl Alcohol (TBA)	ND	33
Chloromethane	ND	3.3
Isopropyl Ether (DIPE)	ND	1.7
Vinyl Chloride	ND	1.7
Bromomethane	ND	3.3
Ethyl tert-Butyl Ether (ETBE)	ND	1.7
Chloroethane	ND	3.3
Methyl tert-Amyl Ether (TAME)	ND	1.7
Trichlorofluoromethane	ND	3.3
Acetone	ND	33
Freon 113	ND	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	33
Carbon Disulfide	ND	1.7
MTBE	ND	1.7
trans-1,2-Dichloroethene	ND	1.7
Vinyl Acetate	ND	33
1,1-Dichloroethane	ND	1.7
2-Butanone	ND	33
cis-1,2-Dichloroethene	ND	1.7
2,2-Dichloropropane	ND	1.7
Chloroform	ND	1.7
Bromochloromethane	ND	1.7
1,1,1-Trichloroethane	ND	1.7
1,1-Dichloropropene	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Benzene	ND	1.7
Trichloroethene	ND	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
Dibromomethane	ND	1.7
4-Methyl-2-Pentanone	ND	33
cis-1,3-Dichloropropene	ND	1.7
Toluene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
2-Hexanone	ND	33
1,3-Dichloropropane	ND	1.7
Tetrachloroethene	ND	1.7
Dibromochloromethane	ND	1.7
1,2-Dibromoethane	ND	1.7
Chlorobenzene	ND	1.7
1,1,1,2-Tetrachloroethane	ND	1.7
Ethylbenzene	ND	1.7
m,p-Xylenes	ND	1.7
o-Xylene	ND	1.7
Styrene	ND	1.7
Bromoform	ND	3.3
Isopropylbenzene	ND	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,2,3-Trichloropropane	ND	1.7
Propylbenzene	ND	1.7

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11	Batch#:	150997
Lab ID:	212001-056	Sampled:	05/04/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	3.333		

Analyte	Result	RL
Bromobenzene	ND	1.7
1,3,5-Trimethylbenzene	ND	1.7
2-Chlorotoluene	ND	1.7
4-Chlorotoluene	ND	1.7
tert-Butylbenzene	4.3	1.7
1,2,4-Trimethylbenzene	ND	1.7
sec-Butylbenzene	3.3	1.7
para-Isopropyl Toluene	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
n-Butylbenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7
1,2-Dibromo-3-Chloropropane	ND	6.7
1,2,4-Trichlorobenzene	ND	1.7
Hexachlorobutadiene	ND	6.7
Naphthalene	ND	6.7
1,2,3-Trichlorobenzene	ND	1.7

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	117	80-125

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14	Batch#:	150997
Lab ID:	212001-059	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
tert-Butyl Alcohol (TBA)	ND	50
Chloromethane	ND	5.0
Isopropyl Ether (DIPE)	ND	2.5
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.5
Chloroethane	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	2.5
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	4.5	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	220	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14	Batch#:	150997
Lab ID:	212001-059	Sampled:	05/06/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	5.000		

Analyte	Result	RL
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	3.0	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	4.3	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	92	80-125

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15	Batch#:	150997
Lab ID:	212001-060	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	50.00		

Analyte	Result	RL
Freon 12	ND	50
tert-Butyl Alcohol (TBA)	ND	500
Chloromethane	ND	50
Isopropyl Ether (DIPE)	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	50
Ethyl tert-Butyl Ether (ETBE)	ND	25
Chloroethane	ND	50
Methyl tert-Amyl Ether (TAME)	ND	25
Trichlorofluoromethane	ND	50
Acetone	ND	500
Freon 113	ND	100
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	500
Carbon Disulfide	ND	25
MTBE	ND	25
trans-1,2-Dichloroethene	ND	25
Vinyl Acetate	ND	500
1,1-Dichloroethane	ND	25
2-Butanone	ND	500
cis-1,2-Dichloroethene	530	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	ND	25
Trichloroethene	ND	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	25
Toluene	83	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	500
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	38	25
m,p-Xylenes	200	25
o-Xylene	140	25
Styrene	ND	25
Bromoform	ND	50
Isopropylbenzene	55	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Propylbenzene	130	25

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15	Batch#:	150997
Lab ID:	212001-060	Sampled:	05/05/09
Matrix:	Water	Received:	05/07/09
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	50.00		

Analyte	Result	RL
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	370	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	1,300	25
sec-Butylbenzene	49	25
para-Isopropyl Toluene	41	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	66	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	100
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	100
Naphthalene	ND	100
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-125

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	150996
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	1.000		

Type: BS Lab ID: QC495936

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	95.10	95	55-151
Isopropyl Ether (DIPE)	20.00	21.22	106	65-131
Ethyl tert-Butyl Ether (ETBE)	20.00	19.63	98	75-128
Methyl tert-Amyl Ether (TAME)	20.00	18.26	91	80-121
1,1-Dichloroethene	20.00	22.49	112	74-132
Benzene	20.00	19.71	99	80-120
Trichloroethene	20.00	20.12	101	80-120
Toluene	20.00	20.21	101	80-120
Chlorobenzene	20.00	20.21	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-122
1,2-Dichloroethane-d4	118	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	91	80-125

Type: BSD Lab ID: QC495937

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	96.73	97	55-151	2	21
Isopropyl Ether (DIPE)	20.00	20.55	103	65-131	3	20
Ethyl tert-Butyl Ether (ETBE)	20.00	20.51	103	75-128	4	20
Methyl tert-Amyl Ether (TAME)	20.00	18.08	90	80-121	1	20
1,1-Dichloroethene	20.00	22.14	111	74-132	2	20
Benzene	20.00	19.45	97	80-120	1	20
Trichloroethene	20.00	20.07	100	80-120	0	20
Toluene	20.00	19.20	96	80-120	5	20
Chlorobenzene	20.00	20.32	102	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-122
1,2-Dichloroethane-d4	117	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	94	80-125

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495938	Batch#:	150996
Matrix:	Water	Analyzed:	05/14/09
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
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
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495938	Batch#:	150996
Matrix:	Water	Analyzed:	05/14/09
Units:	ug/L		

Analyte	Result	RL
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	122	77-137
Toluene-d8	104	80-120
Bromofluorobenzene	98	80-125

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	150997
Units:	ug/L	Analyzed:	05/14/09
Diln Fac:	1.000		

Type: BS Lab ID: QC495939

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	75.00	64.96	87	55-151
Isopropyl Ether (DIPE)	15.00	13.53	90	65-131
Ethyl tert-Butyl Ether (ETBE)	15.00	14.05	94	75-128
Methyl tert-Amyl Ether (TAME)	15.00	14.13	94	80-121
1,1-Dichloroethene	15.00	14.33	96	74-132
Benzene	15.00	15.61	104	80-120
Trichloroethene	15.00	15.37	102	80-120
Toluene	15.00	15.51	103	80-120
Chlorobenzene	15.00	15.92	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	89	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	90	80-125

Type: BSD Lab ID: QC495940

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	75.00	59.71	80	55-151	8	21
Isopropyl Ether (DIPE)	15.00	13.97	93	65-131	3	20
Ethyl tert-Butyl Ether (ETBE)	15.00	14.38	96	75-128	2	20
Methyl tert-Amyl Ether (TAME)	15.00	14.81	99	80-121	5	20
1,1-Dichloroethene	15.00	14.72	98	74-132	3	20
Benzene	15.00	16.51	110	80-120	6	20
Trichloroethene	15.00	16.12	107	80-120	5	20
Toluene	15.00	16.45	110	80-120	6	20
Chlorobenzene	15.00	16.46	110	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	91	80-125

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495941	Batch#:	150997
Matrix:	Water	Analyzed:	05/14/09
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
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
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC495941	Batch#:	150997
Matrix:	Water	Analyzed:	05/14/09
Units:	ug/L		

Analyte	Result	RL
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	96	80-122
1,2-Dichloroethane-d4	92	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	92	80-125

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC496129	Batch#:	151043
Matrix:	Water	Analyzed:	05/15/09
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
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
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC496129	Batch#:	151043
Matrix:	Water	Analyzed:	05/15/09
Units:	ug/L		

Analyte	Result	RL
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	93	80-122
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	92	80-125

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151043
Units:	ug/L	Analyzed:	05/15/09
Diln Fac:	1.000		

Type: BS Lab ID: QC496130

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	97.48	78	55-151
Isopropyl Ether (DIPE)	25.00	21.94	88	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.18	93	75-128
Methyl tert-Amyl Ether (TAME)	25.00	24.52	98	80-121
1,1-Dichloroethene	25.00	23.04	92	74-132
Benzene	25.00	26.96	108	80-120
Trichloroethene	25.00	26.31	105	80-120
Toluene	25.00	27.09	108	80-120
Chlorobenzene	25.00	27.63	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	89	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	90	80-125

Type: BSD Lab ID: QC496131

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	90.87	73	55-151	7	21
Isopropyl Ether (DIPE)	25.00	20.66	83	65-131	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	21.68	87	75-128	7	20
Methyl tert-Amyl Ether (TAME)	25.00	23.25	93	80-121	5	20
1,1-Dichloroethene	25.00	20.21	81	74-132	13	20
Benzene	25.00	23.87	95	80-120	12	20
Trichloroethene	25.00	23.66	95	80-120	11	20
Toluene	25.00	23.94	96	80-120	12	20
Chlorobenzene	25.00	24.74	99	80-120	11	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	87	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	92	80-125

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@5FT	Diln Fac:	0.9542
Lab ID:	212001-021	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
Freon 12	ND	9.5
tert-Butyl Alcohol (TBA)	ND	95
Chloromethane	ND	9.5
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.5
Bromomethane	ND	9.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.5
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
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	9.5
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	9.5
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	9.5
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
Propylbenzene	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@5FT	Diln Fac:	0.9542
Lab ID:	212001-021	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	92	71-128
1,2-Dichloroethane-d4	87	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	96	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@8FT	Diln Fac:	100.0
Lab ID:	212001-022	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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
Propylbenzene	ND	500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@8FT	Diln Fac:	100.0
Lab ID:	212001-022	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	88	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	95	77-131
Trifluorotoluene (MeOH)	121	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@11FT	Diln Fac:	100.0
Lab ID:	212001-023	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@11FT	Diln Fac:	100.0
Lab ID:	212001-023	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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	87	71-128
1,2-Dichloroethane-d4	80	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	153 *	77-131
Trifluorotoluene (MeOH)	120	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@12.5FT	Diln Fac:	100.0
Lab ID:	212001-024	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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	690	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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@12.5FT	Diln Fac:	100.0
Lab ID:	212001-024	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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	85	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	179 *	77-131
Trifluorotoluene (MeOH)	122	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@5FT	Diln Fac:	100.0
Lab ID:	212001-029	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

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
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
Propylbenzene	ND	500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@5FT	Diln Fac:	100.0
Lab ID:	212001-029	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
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	86	71-128
1,2-Dichloroethane-d4	88	69-135
Toluene-d8	105	80-120
Bromofluorobenzene	125	77-131
Trifluorotoluene (MeOH)	120	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@8FT	Diln Fac:	166.7
Lab ID:	212001-030	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Freon 12	ND	1,700
tert-Butyl Alcohol (TBA)	ND	17,000
Chloromethane	ND	1,700
Isopropyl Ether (DIPE)	ND	830
Vinyl Chloride	ND	1,700
Bromomethane	ND	1,700
Ethyl tert-Butyl Ether (ETBE)	ND	830
Chloroethane	ND	1,700
Methyl tert-Amyl Ether (TAME)	ND	830
Trichlorofluoromethane	ND	830
Acetone	ND	3,300
Freon 113	ND	830
1,1-Dichloroethene	ND	830
Methylene Chloride	ND	3,300
Carbon Disulfide	ND	830
MTBE	ND	830
trans-1,2-Dichloroethene	ND	830
Vinyl Acetate	ND	8,300
1,1-Dichloroethane	ND	830
2-Butanone	ND	1,700
cis-1,2-Dichloroethene	ND	830
2,2-Dichloropropane	ND	830
Chloroform	ND	830
Bromochloromethane	ND	830
1,1,1-Trichloroethane	ND	830
1,1-Dichloropropene	ND	830
Carbon Tetrachloride	ND	830
1,2-Dichloroethane	ND	830
Benzene	ND	830
Trichloroethene	ND	830
1,2-Dichloropropane	ND	830
Bromodichloromethane	ND	830
Dibromomethane	ND	830
4-Methyl-2-Pentanone	ND	1,700
cis-1,3-Dichloropropene	ND	830
Toluene	ND	830
trans-1,3-Dichloropropene	ND	830
1,1,2-Trichloroethane	ND	830
2-Hexanone	ND	1,700
1,3-Dichloropropane	ND	830
Tetrachloroethene	ND	830
Dibromochloromethane	ND	830
1,2-Dibromoethane	ND	830
Chlorobenzene	ND	830
1,1,1,2-Tetrachloroethane	ND	830
Ethylbenzene	ND	830
m,p-Xylenes	ND	830
o-Xylene	ND	830
Styrene	ND	830
Bromoform	ND	830
Isopropylbenzene	ND	830
1,1,2,2-Tetrachloroethane	ND	830
1,2,3-Trichloropropane	ND	830
Propylbenzene	ND	830

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@8FT	Diln Fac:	166.7
Lab ID:	212001-030	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Bromobenzene	ND	830
1,3,5-Trimethylbenzene	ND	830
2-Chlorotoluene	ND	830
4-Chlorotoluene	ND	830
tert-Butylbenzene	ND	830
1,2,4-Trimethylbenzene	ND	830
sec-Butylbenzene	ND	830
para-Isopropyl Toluene	ND	830
1,3-Dichlorobenzene	ND	830
1,4-Dichlorobenzene	ND	830
n-Butylbenzene	ND	830
1,2-Dichlorobenzene	ND	830
1,2-Dibromo-3-Chloropropane	ND	830
1,2,4-Trichlorobenzene	ND	830
Hexachlorobutadiene	ND	830
Naphthalene	ND	830
1,2,3-Trichlorobenzene	ND	830

Surrogate	%REC	Limits
Dibromofluoromethane	89	71-128
1,2-Dichloroethane-d4	78	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	122	77-131
Trifluorotoluene (MeOH)	117	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@11FT	Diln Fac:	500.0
Lab ID:	212001-031	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

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
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	ND	2,500
m,p-Xylenes	ND	2,500
o-Xylene	ND	2,500
Styrene	ND	2,500
Bromoform	ND	2,500
Isopropylbenzene	ND	2,500
1,1,2,2-Tetrachloroethane	ND	2,500
1,2,3-Trichloropropane	ND	2,500
Propylbenzene	ND	2,500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@11FT	Diln Fac:	500.0
Lab ID:	212001-031	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
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	ND	2,500
sec-Butylbenzene	ND	2,500
para-Isopropyl Toluene	ND	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	ND	2,500
1,2,3-Trichlorobenzene	ND	2,500

Surrogate	%REC	Limits
Dibromofluoromethane	88	71-128
1,2-Dichloroethane-d4	82	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	119	77-131
Trifluorotoluene (MeOH)	118	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@13FT	Diln Fac:	0.9690
Lab ID:	212001-032	Batch#:	150948
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

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
Acetone	26	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
Propylbenzene	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@13FT	Diln Fac:	0.9690
Lab ID:	212001-032	Batch#:	150948
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

Analyte	Result	RL
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	5.5	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	97	71-128
1,2-Dichloroethane-d4	99	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	123	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@7FT	Diln Fac:	1,000
Lab ID:	212001-033	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

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
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
1,1,2,2-Tetrachloroethane	ND	5,000
1,2,3-Trichloropropane	ND	5,000

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@7FT	Diln Fac:	1,000
Lab ID:	212001-033	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
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	7,000	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	89	71-128
1,2-Dichloroethane-d4	82	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	103	77-131
Trifluorotoluene (MeOH)	DO	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@11FT	Diln Fac:	9.434
Lab ID:	212001-034	Batch#:	150898
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Freon 12	ND	94
tert-Butyl Alcohol (TBA)	ND	940
Chloromethane	ND	94
Isopropyl Ether (DIPE)	ND	47
Vinyl Chloride	ND	94
Bromomethane	ND	94
Ethyl tert-Butyl Ether (ETBE)	ND	47
Chloroethane	ND	94
Methyl tert-Amyl Ether (TAME)	ND	47
Trichlorofluoromethane	ND	47
Acetone	ND	190
Freon 113	ND	47
1,1-Dichloroethene	ND	47
Methylene Chloride	ND	190
Carbon Disulfide	ND	47
MTBE	ND	47
trans-1,2-Dichloroethene	ND	47
Vinyl Acetate	ND	470
1,1-Dichloroethane	ND	47
2-Butanone	ND	94
cis-1,2-Dichloroethene	ND	47
2,2-Dichloropropane	ND	47
Chloroform	ND	47
Bromochloromethane	ND	47
1,1,1-Trichloroethane	ND	47
1,1-Dichloropropene	ND	47
Carbon Tetrachloride	ND	47
1,2-Dichloroethane	ND	47
Benzene	ND	47
Trichloroethene	ND	47
1,2-Dichloropropane	ND	47
Bromodichloromethane	ND	47
Dibromomethane	ND	47
4-Methyl-2-Pentanone	ND	94
cis-1,3-Dichloropropene	ND	47
Toluene	ND	47
trans-1,3-Dichloropropene	ND	47
1,1,2-Trichloroethane	ND	47
2-Hexanone	ND	94
1,3-Dichloropropane	ND	47
Tetrachloroethene	ND	47
Dibromochloromethane	ND	47
1,2-Dibromoethane	ND	47
Chlorobenzene	ND	47
1,1,1,2-Tetrachloroethane	ND	47
Ethylbenzene	ND	47
m,p-Xylenes	ND	47
o-Xylene	ND	47
Styrene	ND	47
Bromoform	ND	47
Isopropylbenzene	ND	47
1,1,2,2-Tetrachloroethane	ND	47
1,2,3-Trichloropropane	ND	47
Propylbenzene	ND	47

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@11FT	Diln Fac:	9.434
Lab ID:	212001-034	Batch#:	150898
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Bromobenzene	ND	47
1,3,5-Trimethylbenzene	ND	47
2-Chlorotoluene	ND	47
4-Chlorotoluene	ND	47
tert-Butylbenzene	ND	47
1,2,4-Trimethylbenzene	ND	47
sec-Butylbenzene	ND	47
para-Isopropyl Toluene	ND	47
1,3-Dichlorobenzene	ND	47
1,4-Dichlorobenzene	ND	47
n-Butylbenzene	ND	47
1,2-Dichlorobenzene	ND	47
1,2-Dibromo-3-Chloropropane	ND	47
1,2,4-Trichlorobenzene	ND	47
Hexachlorobutadiene	ND	47
Naphthalene	ND	47
1,2,3-Trichlorobenzene	ND	47

Surrogate	%REC	Limits
Dibromofluoromethane	90	71-128
1,2-Dichloroethane-d4	98	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	106	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@13FT	Diln Fac:	125.0
Lab ID:	212001-035	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Freon 12	ND	1,300
tert-Butyl Alcohol (TBA)	ND	13,000
Chloromethane	ND	1,300
Isopropyl Ether (DIPE)	ND	630
Vinyl Chloride	ND	1,300
Bromomethane	ND	1,300
Ethyl tert-Butyl Ether (ETBE)	ND	630
Chloroethane	ND	1,300
Methyl tert-Amyl Ether (TAME)	ND	630
Trichlorofluoromethane	ND	630
Acetone	ND	2,500
Freon 113	ND	630
1,1-Dichloroethene	ND	630
Methylene Chloride	ND	2,500
Carbon Disulfide	ND	630
MTBE	ND	630
trans-1,2-Dichloroethene	ND	630
Vinyl Acetate	ND	6,300
1,1-Dichloroethane	ND	630
2-Butanone	ND	1,300
cis-1,2-Dichloroethene	ND	630
2,2-Dichloropropane	ND	630
Chloroform	ND	630
Bromochloromethane	ND	630
1,1,1-Trichloroethane	ND	630
1,1-Dichloropropene	ND	630
Carbon Tetrachloride	ND	630
1,2-Dichloroethane	ND	630
Benzene	ND	630
Trichloroethene	ND	630
1,2-Dichloropropane	ND	630
Bromodichloromethane	ND	630
Dibromomethane	ND	630
4-Methyl-2-Pentanone	ND	1,300
cis-1,3-Dichloropropene	ND	630
Toluene	ND	630
trans-1,3-Dichloropropene	ND	630
1,1,2-Trichloroethane	ND	630
2-Hexanone	ND	1,300
1,3-Dichloropropane	ND	630
Tetrachloroethene	ND	630
Dibromochloromethane	ND	630
1,2-Dibromoethane	ND	630
Chlorobenzene	ND	630
1,1,1,2-Tetrachloroethane	ND	630
Ethylbenzene	ND	630
m,p-Xylenes	ND	630
o-Xylene	ND	630
Styrene	ND	630
Bromoform	ND	630
Isopropylbenzene	ND	630
1,1,2,2-Tetrachloroethane	ND	630
1,2,3-Trichloropropane	ND	630
Propylbenzene	ND	630

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@13FT	Diln Fac:	125.0
Lab ID:	212001-035	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Bromobenzene	ND	630
1,3,5-Trimethylbenzene	ND	630
2-Chlorotoluene	ND	630
4-Chlorotoluene	ND	630
tert-Butylbenzene	ND	630
1,2,4-Trimethylbenzene	830	630
sec-Butylbenzene	ND	630
para-Isopropyl Toluene	ND	630
1,3-Dichlorobenzene	ND	630
1,4-Dichlorobenzene	ND	630
n-Butylbenzene	ND	630
1,2-Dichlorobenzene	ND	630
1,2-Dibromo-3-Chloropropane	ND	630
1,2,4-Trichlorobenzene	ND	630
Hexachlorobutadiene	ND	630
Naphthalene	ND	630
1,2,3-Trichlorobenzene	ND	630

Surrogate	%REC	Limits
Dibromofluoromethane	89	71-128
1,2-Dichloroethane-d4	85	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	116	77-131
Trifluorotoluene (MeOH)	129	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@16FT	Diln Fac:	0.9862
Lab ID:	212001-036	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Freon 12	ND	9.9
tert-Butyl Alcohol (TBA)	ND	99
Chloromethane	ND	9.9
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.9
Bromomethane	ND	9.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
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	9.9
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	9.9
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	9.9
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
Propylbenzene	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@16FT	Diln Fac:	0.9862
Lab ID:	212001-036	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
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	94	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	95	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@5FT	Diln Fac:	100.0
Lab ID:	212001-044	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

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
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
Propylbenzene	ND	500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@5FT	Diln Fac:	100.0
Lab ID:	212001-044	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Bromobenzene	ND	500
1,3,5-Trimethylbenzene	510	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
tert-Butylbenzene	ND	500
1,2,4-Trimethylbenzene	1,600	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	86	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	131	77-131
Trifluorotoluene (MeOH)	129	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@8FT	Diln Fac:	250.0
Lab ID:	212001-045	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

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
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
1,2,3-Trichloropropane	ND	1,300

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@8FT	Diln Fac:	250.0
Lab ID:	212001-045	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
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	3,700	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	89	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	135 *	77-131
Trifluorotoluene (MeOH)	126	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@11FT	Diln Fac:	400.0
Lab ID:	212001-046	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Freon 12	ND	4,000
tert-Butyl Alcohol (TBA)	ND	40,000
Chloromethane	ND	4,000
Isopropyl Ether (DIPE)	ND	2,000
Vinyl Chloride	ND	4,000
Bromomethane	ND	4,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,000
Chloroethane	ND	4,000
Methyl tert-Amyl Ether (TAME)	ND	2,000
Trichlorofluoromethane	ND	2,000
Acetone	ND	8,000
Freon 113	ND	2,000
1,1-Dichloroethene	ND	2,000
Methylene Chloride	ND	8,000
Carbon Disulfide	ND	2,000
MTBE	ND	2,000
trans-1,2-Dichloroethene	ND	2,000
Vinyl Acetate	ND	20,000
1,1-Dichloroethane	ND	2,000
2-Butanone	ND	4,000
cis-1,2-Dichloroethene	ND	2,000
2,2-Dichloropropane	ND	2,000
Chloroform	ND	2,000
Bromochloromethane	ND	2,000
1,1,1-Trichloroethane	ND	2,000
1,1-Dichloropropene	ND	2,000
Carbon Tetrachloride	ND	2,000
1,2-Dichloroethane	ND	2,000
Benzene	ND	2,000
Trichloroethene	ND	2,000
1,2-Dichloropropane	ND	2,000
Bromodichloromethane	ND	2,000
Dibromomethane	ND	2,000
4-Methyl-2-Pentanone	ND	4,000
cis-1,3-Dichloropropene	ND	2,000
Toluene	ND	2,000
trans-1,3-Dichloropropene	ND	2,000
1,1,2-Trichloroethane	ND	2,000
2-Hexanone	ND	4,000
1,3-Dichloropropane	ND	2,000
Tetrachloroethene	ND	2,000
Dibromochloromethane	ND	2,000
1,2-Dibromoethane	ND	2,000
Chlorobenzene	ND	2,000
1,1,1,2-Tetrachloroethane	ND	2,000
Ethylbenzene	ND	2,000
m,p-Xylenes	2,400	2,000
o-Xylene	ND	2,000
Styrene	ND	2,000
Bromoform	ND	2,000
Isopropylbenzene	ND	2,000
1,1,2,2-Tetrachloroethane	ND	2,000
1,2,3-Trichloropropane	ND	2,000

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@11FT	Diln Fac:	400.0
Lab ID:	212001-046	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Propylbenzene	3,000	2,000
Bromobenzene	ND	2,000
1,3,5-Trimethylbenzene	11,000	2,000
2-Chlorotoluene	ND	2,000
4-Chlorotoluene	ND	2,000
tert-Butylbenzene	ND	2,000
1,2,4-Trimethylbenzene	31,000	2,000
sec-Butylbenzene	ND	2,000
para-Isopropyl Toluene	2,200	2,000
1,3-Dichlorobenzene	ND	2,000
1,4-Dichlorobenzene	ND	2,000
n-Butylbenzene	3,500	2,000
1,2-Dichlorobenzene	ND	2,000
1,2-Dibromo-3-Chloropropane	ND	2,000
1,2,4-Trichlorobenzene	ND	2,000
Hexachlorobutadiene	ND	2,000
Naphthalene	ND	2,000
1,2,3-Trichlorobenzene	ND	2,000

Surrogate	%REC	Limits
Dibromofluoromethane	93	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	199 *	77-131
Trifluorotoluene (MeOH)	119	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@14FT	Diln Fac:	125.0
Lab ID:	212001-047	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Freon 12	ND	1,300
tert-Butyl Alcohol (TBA)	ND	13,000
Chloromethane	ND	1,300
Isopropyl Ether (DIPE)	ND	630
Vinyl Chloride	ND	1,300
Bromomethane	ND	1,300
Ethyl tert-Butyl Ether (ETBE)	ND	630
Chloroethane	ND	1,300
Methyl tert-Amyl Ether (TAME)	ND	630
Trichlorofluoromethane	ND	630
Acetone	ND	2,500
Freon 113	ND	630
1,1-Dichloroethene	ND	630
Methylene Chloride	ND	2,500
Carbon Disulfide	ND	630
MTBE	ND	630
trans-1,2-Dichloroethene	ND	630
Vinyl Acetate	ND	6,300
1,1-Dichloroethane	ND	630
2-Butanone	ND	1,300
cis-1,2-Dichloroethene	ND	630
2,2-Dichloropropane	ND	630
Chloroform	ND	630
Bromochloromethane	ND	630
1,1,1-Trichloroethane	ND	630
1,1-Dichloropropene	ND	630
Carbon Tetrachloride	ND	630
1,2-Dichloroethane	ND	630
Benzene	ND	630
Trichloroethene	ND	630
1,2-Dichloropropane	ND	630
Bromodichloromethane	ND	630
Dibromomethane	ND	630
4-Methyl-2-Pentanone	ND	1,300
cis-1,3-Dichloropropene	ND	630
Toluene	ND	630
trans-1,3-Dichloropropene	ND	630
1,1,2-Trichloroethane	ND	630
2-Hexanone	ND	1,300
1,3-Dichloropropane	ND	630
Tetrachloroethene	ND	630
Dibromochloromethane	ND	630
1,2-Dibromoethane	ND	630
Chlorobenzene	ND	630
1,1,1,2-Tetrachloroethane	ND	630
Ethylbenzene	ND	630
m,p-Xylenes	ND	630
o-Xylene	ND	630
Styrene	ND	630
Bromoform	ND	630
Isopropylbenzene	ND	630
1,1,2,2-Tetrachloroethane	ND	630
1,2,3-Trichloropropane	ND	630
Propylbenzene	ND	630

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-16@14FT	Diln Fac:	125.0
Lab ID:	212001-047	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
Bromobenzene	ND	630
1,3,5-Trimethylbenzene	ND	630
2-Chlorotoluene	ND	630
4-Chlorotoluene	ND	630
tert-Butylbenzene	ND	630
1,2,4-Trimethylbenzene	ND	630
sec-Butylbenzene	ND	630
para-Isopropyl Toluene	ND	630
1,3-Dichlorobenzene	ND	630
1,4-Dichlorobenzene	ND	630
n-Butylbenzene	ND	630
1,2-Dichlorobenzene	ND	630
1,2-Dibromo-3-Chloropropane	ND	630
1,2,4-Trichlorobenzene	ND	630
Hexachlorobutadiene	ND	630
Naphthalene	ND	630
1,2,3-Trichlorobenzene	ND	630

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	95	80-120
Bromofluorobenzene	117	77-131
Trifluorotoluene (MeOH)	115	56-147

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495149	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150802
Units:	ug/Kg	Analyzed:	05/08/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495149	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150802
Units:	ug/Kg	Analyzed:	05/08/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	97	69-135
Toluene-d8	109	80-120
Bromofluorobenzene	99	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495150	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150802
Units:	ug/Kg	Analyzed:	05/08/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	119.7	96	56-140
Isopropyl Ether (DIPE)	25.00	24.65	99	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.51	94	66-132
Methyl tert-Amyl Ether (TAME)	25.00	25.30	101	75-128
1,1-Dichloroethene	25.00	24.83	99	73-135
Benzene	25.00	27.99	112	80-125
Trichloroethene	25.00	28.11	112	80-127
Toluene	25.00	28.08	112	80-126
Chlorobenzene	25.00	25.00	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	100	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495151	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150803
Units:	ug/Kg	Analyzed:	05/08/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495151	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150803
Units:	ug/Kg	Analyzed:	05/08/09

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	71-128
1,2-Dichloroethane-d4	97	69-135
Toluene-d8	95	80-120
Bromofluorobenzene	92	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495152	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150803
Units:	ug/Kg	Analyzed:	05/08/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	132.5	106	56-140
Isopropyl Ether (DIPE)	25.00	22.92	92	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	24.64	99	66-132
Methyl tert-Amyl Ether (TAME)	25.00	25.97	104	75-128
1,1-Dichloroethene	25.00	25.85	103	73-135
Benzene	25.00	26.90	108	80-125
Trichloroethene	25.00	26.64	107	80-127
Toluene	25.00	27.44	110	80-126
Chlorobenzene	25.00	25.62	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	71-128
1,2-Dichloroethane-d4	100	69-135
Toluene-d8	97	80-120
Bromofluorobenzene	90	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@5FT	Diln Fac:	0.9709
MSS Lab ID:	212001-001	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Type: MS Lab ID: QC495223

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<19.42	242.7	211.2	87	42-139
Isopropyl Ether (DIPE)	<0.9709	48.54	38.70	80	49-130
Ethyl tert-Butyl Ether (ETBE)	<0.9709	48.54	42.58	88	52-130
Methyl tert-Amyl Ether (TAME)	<0.9709	48.54	45.11	93	58-126
1,1-Dichloroethene	<0.9709	48.54	42.19	87	58-145
Benzene	<0.9709	48.54	47.37	98	56-126
Trichloroethene	<0.9709	48.54	50.22	103	50-142
Toluene	<0.9709	48.54	47.56	98	52-125
Chlorobenzene	<0.9709	48.54	42.70	88	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	71-128
1,2-Dichloroethane-d4	73	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	100	77-131

Type: MSD Lab ID: QC495224

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	242.7	177.0	73	42-139	18	36
Isopropyl Ether (DIPE)	48.54	34.92	72	49-130	10	27
Ethyl tert-Butyl Ether (ETBE)	48.54	38.49	79	52-130	10	26
Methyl tert-Amyl Ether (TAME)	48.54	36.59	75	58-126	21	25
1,1-Dichloroethene	48.54	49.83	103	58-145	17	28
Benzene	48.54	41.43	85	56-126	13	26
Trichloroethene	48.54	45.07	93	50-142	11	29
Toluene	48.54	44.89	92	52-125	6	29
Chlorobenzene	48.54	40.83	84	46-120	4	29

Surrogate	%REC	Limits
Dibromofluoromethane	91	71-128
1,2-Dichloroethane-d4	70	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	97	77-131

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495225	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150819
Units:	ug/Kg	Analyzed:	05/08/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495225	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150819
Units:	ug/Kg	Analyzed:	05/08/09

Analyte	Result	RL
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	104	71-128
1,2-Dichloroethane-d4	96	69-135
Toluene-d8	97	80-120
Bromofluorobenzene	123	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495226	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150819
Units:	ug/Kg	Analyzed:	05/08/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	131.8	105	56-140
Isopropyl Ether (DIPE)	25.00	24.62	98	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	25.35	101	66-132
Methyl tert-Amyl Ether (TAME)	25.00	23.27	93	75-128
1,1-Dichloroethene	25.00	24.31	97	73-135
Benzene	25.00	23.93	96	80-125
Trichloroethene	25.00	23.65	95	80-127
Toluene	25.00	22.71	91	80-126
Chlorobenzene	25.00	25.81	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	71-128
1,2-Dichloroethane-d4	102	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	105	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-10@5FT	Diln Fac:	0.9542
MSS Lab ID:	212001-021	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Type: MS Lab ID: QC495262

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<19.08	238.5	229.8	96	42-139
Isopropyl Ether (DIPE)	<0.9542	47.71	42.85	90	49-130
Ethyl tert-Butyl Ether (ETBE)	<0.9542	47.71	42.52	89	52-130
Methyl tert-Amyl Ether (TAME)	<0.9542	47.71	43.24	91	58-126
1,1-Dichloroethene	<0.9501	47.71	50.96	107	58-145
Benzene	<0.9542	47.71	52.83	111	56-126
Trichloroethene	<0.9542	47.71	50.43	106	50-142
Toluene	<0.9542	47.71	54.15	113	52-125
Chlorobenzene	<0.9542	47.71	52.05	109	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	103	80-120
Bromofluorobenzene	96	77-131

Type: MSD Lab ID: QC495263

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	238.5	246.5	103	42-139	7	36
Isopropyl Ether (DIPE)	47.71	43.17	90	49-130	1	27
Ethyl tert-Butyl Ether (ETBE)	47.71	43.15	90	52-130	1	26
Methyl tert-Amyl Ether (TAME)	47.71	47.26	99	58-126	9	25
1,1-Dichloroethene	47.71	46.16	97	58-145	10	28
Benzene	47.71	50.50	106	56-126	5	26
Trichloroethene	47.71	47.81	100	50-142	5	29
Toluene	47.71	53.49	112	52-125	1	29
Chlorobenzene	47.71	45.50	95	46-120	13	29

Surrogate	%REC	Limits
Dibromofluoromethane	91	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	93	77-131

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495360	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150857
Units:	ug/Kg	Analyzed:	05/11/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495360	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150857
Units:	ug/Kg	Analyzed:	05/11/09

Analyte	Result	RL
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	86	71-128
1,2-Dichloroethane-d4	79	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	97	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495361	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150857
Units:	ug/Kg	Analyzed:	05/11/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	99.53	80	56-140
Isopropyl Ether (DIPE)	25.00	21.80	87	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	22.27	89	66-132
Methyl tert-Amyl Ether (TAME)	25.00	23.71	95	75-128
1,1-Dichloroethene	25.00	22.47	90	73-135
Benzene	25.00	26.31	105	80-125
Trichloroethene	25.00	27.43	110	80-127
Toluene	25.00	28.98	116	80-126
Chlorobenzene	25.00	25.40	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	91	71-128
1,2-Dichloroethane-d4	76	69-135
Toluene-d8	97	80-120
Bromofluorobenzene	105	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495362	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150858
Units:	ug/Kg	Analyzed:	05/11/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495362	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150858
Units:	ug/Kg	Analyzed:	05/11/09

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	103	80-120
Bromofluorobenzene	94	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495363	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150858
Units:	ug/Kg	Analyzed:	05/11/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	126.7	101	56-140
Isopropyl Ether (DIPE)	25.00	19.55	78	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.71	95	66-132
Methyl tert-Amyl Ether (TAME)	25.00	25.27	101	75-128
1,1-Dichloroethene	25.00	23.35	93	73-135
Benzene	25.00	25.68	103	80-125
Trichloroethene	25.00	26.09	104	80-127
Toluene	25.00	26.23	105	80-126
Chlorobenzene	25.00	25.59	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	95	80-120
Bromofluorobenzene	89	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495543	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150898
Units:	ug/Kg	Analyzed:	05/12/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495543	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150898
Units:	ug/Kg	Analyzed:	05/12/09

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	71-128
1,2-Dichloroethane-d4	97	69-135
Toluene-d8	105	80-120
Bromofluorobenzene	100	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495544	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150898
Units:	ug/Kg	Analyzed:	05/12/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	101.0	81	56-140
Isopropyl Ether (DIPE)	25.00	21.23	85	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	22.21	89	66-132
Methyl tert-Amyl Ether (TAME)	25.00	24.88	100	75-128
1,1-Dichloroethene	25.00	22.18	89	73-135
Benzene	25.00	27.25	109	80-125
Trichloroethene	25.00	26.90	108	80-127
Toluene	25.00	27.55	110	80-126
Chlorobenzene	25.00	26.36	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	71-128
1,2-Dichloroethane-d4	94	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	104	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495545	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150899
Units:	ug/Kg	Analyzed:	05/12/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495545	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150899
Units:	ug/Kg	Analyzed:	05/12/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	86	69-135
Toluene-d8	103	80-120
Bromofluorobenzene	99	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495546	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150899
Units:	ug/Kg	Analyzed:	05/12/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	114.0	91	56-140
Isopropyl Ether (DIPE)	25.00	22.38	90	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.53	94	66-132
Methyl tert-Amyl Ether (TAME)	25.00	23.69	95	75-128
1,1-Dichloroethene	25.00	22.25	89	73-135
Benzene	25.00	25.58	102	80-125
Trichloroethene	25.00	24.23	97	80-127
Toluene	25.00	27.22	109	80-126
Chlorobenzene	25.00	26.48	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	71-128
1,2-Dichloroethane-d4	80	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	98	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	150898
MSS Lab ID:	212056-003	Sampled:	05/07/09
Matrix:	Soil	Received:	05/09/09
Units:	ug/Kg	Analyzed:	05/13/09
Basis:	as received		

Type: MS Diln Fac: 1.119
 Lab ID: QC495638

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<27.55	279.6	202.6	72	42-139
Isopropyl Ether (DIPE)	<1.377	55.93	42.68	76	49-130
Ethyl tert-Butyl Ether (ETBE)	<1.377	55.93	43.46	78	52-130
Methyl tert-Amyl Ether (TAME)	<1.377	55.93	44.28	79	58-126
1,1-Dichloroethene	<1.377	55.93	53.77	96	58-145
Benzene	<1.377	55.93	56.86	102	56-126
Trichloroethene	<1.377	55.93	68.80	123	50-142
Toluene	<1.377	55.93	58.59	105	52-125
Chlorobenzene	<1.377	55.93	54.46	97	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	100	77-131

Type: MSD Diln Fac: 1.305
 Lab ID: QC495639

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	326.4	224.7	69	42-139	5	36
Isopropyl Ether (DIPE)	65.27	51.59	79	49-130	4	27
Ethyl tert-Butyl Ether (ETBE)	65.27	53.62	82	52-130	6	26
Methyl tert-Amyl Ether (TAME)	65.27	49.74	76	58-126	4	25
1,1-Dichloroethene	65.27	60.26	92	58-145	4	28
Benzene	65.27	61.49	94	56-126	8	26
Trichloroethene	65.27	77.24	118	50-142	4	29
Toluene	65.27	62.79	96	52-125	9	29
Chlorobenzene	65.27	62.75	96	46-120	1	29

Surrogate	%REC	Limits
Dibromofluoromethane	95	71-128
1,2-Dichloroethane-d4	77	69-135
Toluene-d8	94	80-120
Bromofluorobenzene	98	77-131

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-13@16FT	Diln Fac:	0.9862
MSS Lab ID:	212001-036	Batch#:	150899
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Type: MS Lab ID: QC495668

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<19.72	246.5	207.5	84	42-139
Isopropyl Ether (DIPE)	<0.9862	49.31	39.58	80	49-130
Ethyl tert-Butyl Ether (ETBE)	<0.9862	49.31	38.15	77	52-130
Methyl tert-Amyl Ether (TAME)	<0.9862	49.31	40.71	83	58-126
1,1-Dichloroethene	<0.9820	49.31	47.68	97	58-145
Benzene	<0.9862	49.31	49.12	100	56-126
Trichloroethene	<0.9862	49.31	57.44	116	50-142
Toluene	<0.9862	49.31	50.35	102	52-125
Chlorobenzene	<0.9862	49.31	48.93	99	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	91	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	95	77-131

Type: MSD Lab ID: QC495669

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	246.5	254.0	103	42-139	20	36
Isopropyl Ether (DIPE)	49.31	42.08	85	49-130	6	27
Ethyl tert-Butyl Ether (ETBE)	49.31	43.83	89	52-130	14	26
Methyl tert-Amyl Ether (TAME)	49.31	42.60	86	58-126	5	25
1,1-Dichloroethene	49.31	47.03	95	58-145	1	28
Benzene	49.31	44.34	90	56-126	10	26
Trichloroethene	49.31	48.88	99	50-142	16	29
Toluene	49.31	46.22	94	52-125	9	29
Chlorobenzene	49.31	45.04	91	46-120	8	29

Surrogate	%REC	Limits
Dibromofluoromethane	96	71-128
1,2-Dichloroethane-d4	83	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	92	77-131

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495748	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150948
Units:	ug/Kg	Analyzed:	05/13/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495748	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150948
Units:	ug/Kg	Analyzed:	05/13/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	102	69-135
Toluene-d8	106	80-120
Bromofluorobenzene	96	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495749	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150948
Units:	ug/Kg	Analyzed:	05/13/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	118.9	95	56-140
Isopropyl Ether (DIPE)	25.00	23.71	95	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	24.67	99	66-132
Methyl tert-Amyl Ether (TAME)	25.00	24.18	97	75-128
1,1-Dichloroethene	25.00	25.48	102	73-135
Benzene	25.00	26.91	108	80-125
Trichloroethene	25.00	28.40	114	80-127
Toluene	25.00	26.52	106	80-126
Chlorobenzene	25.00	25.83	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	71-128
1,2-Dichloroethane-d4	100	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	98	77-131

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@5FT	Diln Fac:	0.9709
Lab ID:	212001-001	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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
Propylbenzene	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@5FT	Diln Fac:	0.9709
Lab ID:	212001-001	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	96	69-135
Toluene-d8	103	80-120
Bromofluorobenzene	94	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@8FT	Diln Fac:	0.9259
Lab ID:	212001-002	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
Acetone	ND	19
Freon 113	ND	4.6
1,1-Dichloroethene	ND	4.6
Methylene Chloride	33	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
Propylbenzene	ND	4.6

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@8FT	Diln Fac:	0.9259
Lab ID:	212001-002	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	98	71-128
1,2-Dichloroethane-d4	95	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	99	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@11FT	Diln Fac:	0.9524
Lab ID:	212001-003	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
Freon 12	ND	9.5
tert-Butyl Alcohol (TBA)	ND	95
Chloromethane	ND	9.5
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.5
Bromomethane	ND	9.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.5
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	21	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	9.5
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	9.5
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	9.5
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
Propylbenzene	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@11FT	Diln Fac:	0.9524
Lab ID:	212001-003	Batch#:	150802
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	99	71-128
1,2-Dichloroethane-d4	99	69-135
Toluene-d8	110	80-120
Bromofluorobenzene	96	77-131

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@15FT	Diln Fac:	9.434
Lab ID:	212001-004	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
Freon 12	ND	94
tert-Butyl Alcohol (TBA)	ND	940
Chloromethane	ND	94
Isopropyl Ether (DIPE)	ND	47
Vinyl Chloride	ND	94
Bromomethane	ND	94
Ethyl tert-Butyl Ether (ETBE)	ND	47
Chloroethane	ND	94
Methyl tert-Amyl Ether (TAME)	ND	47
Trichlorofluoromethane	ND	47
Acetone	ND	190
Freon 113	ND	47
1,1-Dichloroethene	ND	47
Methylene Chloride	ND	190
Carbon Disulfide	ND	47
MTBE	ND	47
trans-1,2-Dichloroethene	ND	47
Vinyl Acetate	ND	470
1,1-Dichloroethane	ND	47
2-Butanone	ND	94
cis-1,2-Dichloroethene	ND	47
2,2-Dichloropropane	ND	47
Chloroform	ND	47
Bromochloromethane	ND	47
1,1,1-Trichloroethane	ND	47
1,1-Dichloropropene	ND	47
Carbon Tetrachloride	ND	47
1,2-Dichloroethane	ND	47
Benzene	ND	47
Trichloroethene	ND	47
1,2-Dichloropropane	ND	47
Bromodichloromethane	ND	47
Dibromomethane	ND	47
4-Methyl-2-Pentanone	ND	94
cis-1,3-Dichloropropene	ND	47
Toluene	ND	47
trans-1,3-Dichloropropene	ND	47
1,1,2-Trichloroethane	ND	47
2-Hexanone	ND	94
1,3-Dichloropropane	ND	47
Tetrachloroethene	ND	47
Dibromochloromethane	ND	47
1,2-Dibromoethane	ND	47
Chlorobenzene	ND	47
1,1,1,2-Tetrachloroethane	ND	47
Ethylbenzene	ND	47
m,p-Xylenes	ND	47
o-Xylene	ND	47
Styrene	ND	47
Bromoform	ND	47
Isopropylbenzene	ND	47
1,1,2,2-Tetrachloroethane	ND	47
1,2,3-Trichloropropane	ND	47
Propylbenzene	ND	47

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@15FT	Diln Fac:	9.434
Lab ID:	212001-004	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
Bromobenzene	ND	47
1,3,5-Trimethylbenzene	ND	47
2-Chlorotoluene	ND	47
4-Chlorotoluene	ND	47
tert-Butylbenzene	ND	47
1,2,4-Trimethylbenzene	ND	47
sec-Butylbenzene	ND	47
para-Isopropyl Toluene	ND	47
1,3-Dichlorobenzene	ND	47
1,4-Dichlorobenzene	ND	47
n-Butylbenzene	ND	47
1,2-Dichlorobenzene	ND	47
1,2-Dibromo-3-Chloropropane	ND	47
1,2,4-Trichlorobenzene	ND	47
Hexachlorobutadiene	ND	47
Naphthalene	ND	47
1,2,3-Trichlorobenzene	ND	47

Surrogate	%REC	Limits
Dibromofluoromethane	92	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	108	80-120
Bromofluorobenzene	113	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@18FT	Diln Fac:	9.804
Lab ID:	212001-005	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
Freon 12	ND	98
tert-Butyl Alcohol (TBA)	ND	980
Chloromethane	ND	98
Isopropyl Ether (DIPE)	ND	49
Vinyl Chloride	ND	98
Bromomethane	ND	98
Ethyl tert-Butyl Ether (ETBE)	ND	49
Chloroethane	ND	98
Methyl tert-Amyl Ether (TAME)	ND	49
Trichlorofluoromethane	ND	49
Acetone	ND	200
Freon 113	ND	49
1,1-Dichloroethene	ND	49
Methylene Chloride	ND	200
Carbon Disulfide	ND	49
MTBE	ND	49
trans-1,2-Dichloroethene	ND	49
Vinyl Acetate	ND	490
1,1-Dichloroethane	ND	49
2-Butanone	ND	98
cis-1,2-Dichloroethene	ND	49
2,2-Dichloropropane	ND	49
Chloroform	ND	49
Bromochloromethane	ND	49
1,1,1-Trichloroethane	ND	49
1,1-Dichloropropene	ND	49
Carbon Tetrachloride	ND	49
1,2-Dichloroethane	ND	49
Benzene	ND	49
Trichloroethene	ND	49
1,2-Dichloropropane	ND	49
Bromodichloromethane	ND	49
Dibromomethane	ND	49
4-Methyl-2-Pentanone	ND	98
cis-1,3-Dichloropropene	ND	49
Toluene	ND	49
trans-1,3-Dichloropropene	ND	49
1,1,2-Trichloroethane	ND	49
2-Hexanone	ND	98
1,3-Dichloropropane	ND	49
Tetrachloroethene	ND	49
Dibromochloromethane	ND	49
1,2-Dibromoethane	ND	49
Chlorobenzene	ND	49
1,1,1,2-Tetrachloroethane	ND	49
Ethylbenzene	ND	49
m,p-Xylenes	ND	49
o-Xylene	ND	49
Styrene	ND	49
Bromoform	ND	49
Isopropylbenzene	ND	49
1,1,2,2-Tetrachloroethane	ND	49
1,2,3-Trichloropropane	ND	49

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-1@18FT	Diln Fac:	9.804
Lab ID:	212001-005	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
Propylbenzene	ND	49
Bromobenzene	ND	49
1,3,5-Trimethylbenzene	ND	49
2-Chlorotoluene	ND	49
4-Chlorotoluene	ND	49
tert-Butylbenzene	ND	49
1,2,4-Trimethylbenzene	ND	49
sec-Butylbenzene	ND	49
para-Isopropyl Toluene	ND	49
1,3-Dichlorobenzene	ND	49
1,4-Dichlorobenzene	ND	49
n-Butylbenzene	ND	49
1,2-Dichlorobenzene	ND	49
1,2-Dibromo-3-Chloropropane	ND	49
1,2,4-Trichlorobenzene	ND	49
Hexachlorobutadiene	ND	49
Naphthalene	ND	49
1,2,3-Trichlorobenzene	ND	49

Surrogate	%REC	Limits
Dibromofluoromethane	85	71-128
1,2-Dichloroethane-d4	80	69-135
Toluene-d8	105	80-120
Bromofluorobenzene	174 *	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-2@13FT	Diln Fac:	0.9804
Lab ID:	212001-006	Batch#:	150802
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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
Propylbenzene	ND	4.9

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-2@13FT	Diln Fac:	0.9804
Lab ID:	212001-006	Batch#:	150802
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	80	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	99	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4@12FT	Diln Fac:	1,000
Lab ID:	212001-007	Batch#:	150858
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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
1,1,2,2-Tetrachloroethane	ND	5,000

*= Value outside of QC limits; see narrative

DO= Diluted Out

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4@12FT	Diln Fac:	1,000
Lab ID:	212001-007	Batch#:	150858
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
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	89	71-128
1,2-Dichloroethane-d4	88	69-135
Toluene-d8	105	80-120
Bromofluorobenzene	139 *	77-131
Trifluorotoluene (MeOH)	DO	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4@14FT	Diln Fac:	100.0
Lab ID:	212001-008	Batch#:	150803
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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
Propylbenzene	ND	500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4@14FT	Diln Fac:	100.0
Lab ID:	212001-008	Batch#:	150803
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
Bromobenzene	ND	500
1,3,5-Trimethylbenzene	780	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
tert-Butylbenzene	ND	500
1,2,4-Trimethylbenzene	3,600	500
sec-Butylbenzene	520	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	85	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	125	77-131
Trifluorotoluene (MeOH)	108	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4@16FT	Diln Fac:	50.00
Lab ID:	212001-009	Batch#:	150819
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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
Propylbenzene	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-4@16FT	Diln Fac:	50.00
Lab ID:	212001-009	Batch#:	150819
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	360	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	108	71-128
1,2-Dichloroethane-d4	99	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	130	77-131
Trifluorotoluene (MeOH)	91	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-5@12FT	Diln Fac:	200.0
Lab ID:	212001-010	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-5@12FT	Diln Fac:	200.0
Lab ID:	212001-010	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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	1,700	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	88	71-128
1,2-Dichloroethane-d4	77	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	142 *	77-131
Trifluorotoluene (MeOH)	108	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7@8FT	Diln Fac:	333.3
Lab ID:	212001-011	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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	ND	1,700
1,1,2,2-Tetrachloroethane	ND	1,700
1,2,3-Trichloropropane	ND	1,700

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7@8FT	Diln Fac:	333.3
Lab ID:	212001-011	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
Propylbenzene	ND	1,700
Bromobenzene	ND	1,700
1,3,5-Trimethylbenzene	ND	1,700
2-Chlorotoluene	ND	1,700
4-Chlorotoluene	ND	1,700
tert-Butylbenzene	ND	1,700
1,2,4-Trimethylbenzene	8,200	1,700
sec-Butylbenzene	ND	1,700
para-Isopropyl Toluene	3,800	1,700
1,3-Dichlorobenzene	ND	1,700
1,4-Dichlorobenzene	ND	1,700
n-Butylbenzene	2,200	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	ND	1,700
1,2,3-Trichlorobenzene	ND	1,700

Surrogate	%REC	Limits
Dibromofluoromethane	95	71-128
1,2-Dichloroethane-d4	85	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	196 *	77-131
Trifluorotoluene (MeOH)	117	56-147

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7@11FT	Diln Fac:	50.00
Lab ID:	212001-012	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7@11FT	Diln Fac:	50.00
Lab ID:	212001-012	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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	440	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	83	71-128
1,2-Dichloroethane-d4	77	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	204 *	77-131
Trifluorotoluene (MeOH)	106	56-147

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7@13FT	Diln Fac:	500.0
Lab ID:	212001-013	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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	ND	2,500
m,p-Xylenes	ND	2,500
o-Xylene	ND	2,500
Styrene	ND	2,500
Bromoform	ND	2,500
Isopropylbenzene	ND	2,500
1,1,2,2-Tetrachloroethane	ND	2,500
1,2,3-Trichloropropane	ND	2,500

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-7@13FT	Diln Fac:	500.0
Lab ID:	212001-013	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
Propylbenzene	ND	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	8,800	2,500
sec-Butylbenzene	ND	2,500
para-Isopropyl Toluene	3,900	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	ND	2,500
1,2,3-Trichlorobenzene	ND	2,500

Surrogate	%REC	Limits
Dibromofluoromethane	91	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	165 *	77-131
Trifluorotoluene (MeOH)	119	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8@8FT	Diln Fac:	50.00
Lab ID:	212001-014	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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	4,500	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
Propylbenzene	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8@8FT	Diln Fac:	50.00
Lab ID:	212001-014	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
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	90	71-128
1,2-Dichloroethane-d4	85	69-135
Toluene-d8	105	80-120
Bromofluorobenzene	96	77-131
Trifluorotoluene (MeOH)	122	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8@11FT	Diln Fac:	50.00
Lab ID:	212001-015	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8@11FT	Diln Fac:	50.00
Lab ID:	212001-015	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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	320	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	90	71-128
1,2-Dichloroethane-d4	86	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	261 *	77-131
Trifluorotoluene (MeOH)	123	56-147

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8@13FT	Diln Fac:	500.0
Lab ID:	212001-016	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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	ND	2,500
m,p-Xylenes	ND	2,500
o-Xylene	ND	2,500
Styrene	ND	2,500
Bromoform	ND	2,500
Isopropylbenzene	ND	2,500
1,1,2,2-Tetrachloroethane	ND	2,500
1,2,3-Trichloropropane	ND	2,500
Propylbenzene	ND	2,500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-8@13FT	Diln Fac:	500.0
Lab ID:	212001-016	Batch#:	150858
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
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	ND	2,500
sec-Butylbenzene	ND	2,500
para-Isopropyl Toluene	ND	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	ND	2,500
1,2,3-Trichlorobenzene	ND	2,500

Surrogate	%REC	Limits
Dibromofluoromethane	89	71-128
1,2-Dichloroethane-d4	82	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	107	77-131
Trifluorotoluene (MeOH)	125	56-147

ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@5FT	Diln Fac:	50.00
Lab ID:	212001-017	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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	1,900	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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@5FT	Diln Fac:	50.00
Lab ID:	212001-017	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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	620	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	310	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	87	71-128
1,2-Dichloroethane-d4	77	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	224 *	77-131
Trifluorotoluene (MeOH)	122	56-147

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@8FT	Diln Fac:	50.00
Lab ID:	212001-018	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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
Propylbenzene	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@8FT	Diln Fac:	50.00
Lab ID:	212001-018	Batch#:	150803
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	84	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	98	77-131
Trifluorotoluene (MeOH)	125	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@11FT	Diln Fac:	100.0
Lab ID:	212001-019	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@11FT	Diln Fac:	100.0
Lab ID:	212001-019	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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	83	71-128
1,2-Dichloroethane-d4	79	69-135
Toluene-d8	103	80-120
Bromofluorobenzene	222 *	77-131
Trifluorotoluene (MeOH)	118	56-147

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
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Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@13FT	Diln Fac:	500.0
Lab ID:	212001-020	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

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
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	ND	2,500
m,p-Xylenes	ND	2,500
o-Xylene	ND	2,500
Styrene	ND	2,500
Bromoform	ND	2,500
Isopropylbenzene	ND	2,500
1,1,2,2-Tetrachloroethane	ND	2,500
1,2,3-Trichloropropane	ND	2,500
Propylbenzene	ND	2,500

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-9@13FT	Diln Fac:	500.0
Lab ID:	212001-020	Batch#:	150803
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/08/09

Analyte	Result	RL
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	ND	2,500
sec-Butylbenzene	ND	2,500
para-Isopropyl Toluene	ND	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	ND	2,500
1,2,3-Trichlorobenzene	ND	2,500

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	114	77-131
Trifluorotoluene (MeOH)	114	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@5FT	Diln Fac:	0.9597
Lab ID:	212001-025	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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
Propylbenzene	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@5FT	Diln Fac:	0.9597
Lab ID:	212001-025	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

Analyte	Result	RL
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	91	71-128
1,2-Dichloroethane-d4	82	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	96	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@8FT	Diln Fac:	50.00
Lab ID:	212001-026	Batch#:	150858
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@8FT	Diln Fac:	50.00
Lab ID:	212001-026	Batch#:	150858
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/11/09

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	86	71-128
1,2-Dichloroethane-d4	78	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	156 *	77-131
Trifluorotoluene (MeOH)	123	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@10FT	Diln Fac:	100.0
Lab ID:	212001-027	Batch#:	151048
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/15/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@10FT	Diln Fac:	100.0
Lab ID:	212001-027	Batch#:	151048
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/15/09

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	88	71-128
1,2-Dichloroethane-d4	86	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	174 *	77-131
Trifluorotoluene (MeOH)	120	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@12FT	Diln Fac:	714.3
Lab ID:	212001-028	Batch#:	151001
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
Freon 12	ND	7,100
tert-Butyl Alcohol (TBA)	ND	71,000
Chloromethane	ND	7,100
Isopropyl Ether (DIPE)	ND	3,600
Vinyl Chloride	ND	7,100
Bromomethane	ND	7,100
Ethyl tert-Butyl Ether (ETBE)	ND	3,600
Chloroethane	ND	7,100
Methyl tert-Amyl Ether (TAME)	ND	3,600
Trichlorofluoromethane	ND	3,600
Acetone	ND	14,000
Freon 113	ND	3,600
1,1-Dichloroethene	ND	3,600
Methylene Chloride	ND	14,000
Carbon Disulfide	ND	3,600
MTBE	ND	3,600
trans-1,2-Dichloroethene	ND	3,600
Vinyl Acetate	ND	36,000
1,1-Dichloroethane	ND	3,600
2-Butanone	ND	7,100
cis-1,2-Dichloroethene	ND	3,600
2,2-Dichloropropane	ND	3,600
Chloroform	ND	3,600
Bromochloromethane	ND	3,600
1,1,1-Trichloroethane	ND	3,600
1,1-Dichloropropene	ND	3,600
Carbon Tetrachloride	ND	3,600
1,2-Dichloroethane	ND	3,600
Benzene	ND	3,600
Trichloroethene	ND	3,600
1,2-Dichloropropane	ND	3,600
Bromodichloromethane	ND	3,600
Dibromomethane	ND	3,600
4-Methyl-2-Pentanone	ND	7,100
cis-1,3-Dichloropropene	ND	3,600
Toluene	ND	3,600
trans-1,3-Dichloropropene	ND	3,600
1,1,2-Trichloroethane	ND	3,600
2-Hexanone	ND	7,100
1,3-Dichloropropane	ND	3,600
Tetrachloroethene	ND	3,600
Dibromochloromethane	ND	3,600
1,2-Dibromoethane	ND	3,600
Chlorobenzene	ND	3,600
1,1,1,2-Tetrachloroethane	ND	3,600
Ethylbenzene	ND	3,600
m,p-Xylenes	ND	3,600
o-Xylene	ND	3,600
Styrene	ND	3,600
Bromoform	ND	3,600
Isopropylbenzene	ND	3,600
1,1,2,2-Tetrachloroethane	ND	3,600
1,2,3-Trichloropropane	ND	3,600

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@12FT	Diln Fac:	714.3
Lab ID:	212001-028	Batch#:	151001
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
Propylbenzene	ND	3,600
Bromobenzene	ND	3,600
1,3,5-Trimethylbenzene	ND	3,600
2-Chlorotoluene	ND	3,600
4-Chlorotoluene	ND	3,600
tert-Butylbenzene	ND	3,600
1,2,4-Trimethylbenzene	ND	3,600
sec-Butylbenzene	ND	3,600
para-Isopropyl Toluene	ND	3,600
1,3-Dichlorobenzene	ND	3,600
1,4-Dichlorobenzene	ND	3,600
n-Butylbenzene	ND	3,600
1,2-Dichlorobenzene	ND	3,600
1,2-Dibromo-3-Chloropropane	ND	3,600
1,2,4-Trichlorobenzene	ND	3,600
Hexachlorobutadiene	ND	3,600
Naphthalene	ND	3,600
1,2,3-Trichlorobenzene	ND	3,600

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	80	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	105	77-131
Trifluorotoluene (MeOH)	DO	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14@5FT	Diln Fac:	0.9597
Lab ID:	212001-037	Batch#:	150949
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

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
Acetone	22	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
Propylbenzene	ND	4.8

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14@5FT	Diln Fac:	0.9597
Lab ID:	212001-037	Batch#:	150949
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

Analyte	Result	RL
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	98	71-128
1,2-Dichloroethane-d4	94	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	93	77-131

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14@8FT	Diln Fac:	50.00
Lab ID:	212001-038	Batch#:	151001
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

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
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
Propylbenzene	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14@8FT	Diln Fac:	50.00
Lab ID:	212001-038	Batch#:	151001
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
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	87	71-128
1,2-Dichloroethane-d4	91	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	101	77-131
Trifluorotoluene (MeOH)	117	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14@11FT	Diln Fac:	50.00
Lab ID:	212001-039	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

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
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
Propylbenzene	ND	250

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-14@11FT	Diln Fac:	50.00
Lab ID:	212001-039	Batch#:	150899
Matrix:	Soil	Sampled:	05/06/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Analyte	Result	RL
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	82	71-128
1,2-Dichloroethane-d4	83	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	121	77-131
Trifluorotoluene (MeOH)	116	56-147

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@5FT	Diln Fac:	400.0
Lab ID:	212001-040	Batch#:	151001
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
Freon 12	ND	4,000
tert-Butyl Alcohol (TBA)	ND	40,000
Chloromethane	ND	4,000
Isopropyl Ether (DIPE)	ND	2,000
Vinyl Chloride	ND	4,000
Bromomethane	ND	4,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,000
Chloroethane	ND	4,000
Methyl tert-Amyl Ether (TAME)	ND	2,000
Trichlorofluoromethane	ND	2,000
Acetone	ND	8,000
Freon 113	ND	2,000
1,1-Dichloroethene	ND	2,000
Methylene Chloride	ND	8,000
Carbon Disulfide	ND	2,000
MTBE	ND	2,000
trans-1,2-Dichloroethene	ND	2,000
Vinyl Acetate	ND	20,000
1,1-Dichloroethane	ND	2,000
2-Butanone	ND	4,000
cis-1,2-Dichloroethene	ND	2,000
2,2-Dichloropropane	ND	2,000
Chloroform	ND	2,000
Bromochloromethane	ND	2,000
1,1,1-Trichloroethane	ND	2,000
1,1-Dichloropropene	ND	2,000
Carbon Tetrachloride	ND	2,000
1,2-Dichloroethane	ND	2,000
Benzene	ND	2,000
Trichloroethene	ND	2,000
1,2-Dichloropropane	ND	2,000
Bromodichloromethane	ND	2,000
Dibromomethane	ND	2,000
4-Methyl-2-Pentanone	ND	4,000
cis-1,3-Dichloropropene	ND	2,000
Toluene	ND	2,000
trans-1,3-Dichloropropene	ND	2,000
1,1,2-Trichloroethane	ND	2,000
2-Hexanone	ND	4,000
1,3-Dichloropropane	ND	2,000
Tetrachloroethene	ND	2,000
Dibromochloromethane	ND	2,000
1,2-Dibromoethane	ND	2,000
Chlorobenzene	ND	2,000
1,1,1,2-Tetrachloroethane	ND	2,000
Ethylbenzene	ND	2,000
m,p-Xylenes	2,100	2,000
o-Xylene	ND	2,000
Styrene	ND	2,000
Bromoform	ND	2,000
Isopropylbenzene	ND	2,000
1,1,2,2-Tetrachloroethane	ND	2,000
1,2,3-Trichloropropane	ND	2,000

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@5FT	Diln Fac:	400.0
Lab ID:	212001-040	Batch#:	151001
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
Propylbenzene	2,300	2,000
Bromobenzene	ND	2,000
1,3,5-Trimethylbenzene	6,700	2,000
2-Chlorotoluene	ND	2,000
4-Chlorotoluene	ND	2,000
tert-Butylbenzene	ND	2,000
1,2,4-Trimethylbenzene	22,000	2,000
sec-Butylbenzene	ND	2,000
para-Isopropyl Toluene	ND	2,000
1,3-Dichlorobenzene	ND	2,000
1,4-Dichlorobenzene	ND	2,000
n-Butylbenzene	3,000	2,000
1,2-Dichlorobenzene	ND	2,000
1,2-Dibromo-3-Chloropropane	ND	2,000
1,2,4-Trichlorobenzene	ND	2,000
Hexachlorobutadiene	ND	2,000
Naphthalene	ND	2,000
1,2,3-Trichlorobenzene	ND	2,000

Surrogate	%REC	Limits
Dibromofluoromethane	86	71-128
1,2-Dichloroethane-d4	77	69-135
Toluene-d8	97	80-120
Bromofluorobenzene	171 *	77-131
Trifluorotoluene (MeOH)	129	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@8FT	Diln Fac:	200.0
Lab ID:	212001-041	Batch#:	151001
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

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
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	1,000	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	3,200	1,000
o-Xylene	2,300	1,000
Styrene	ND	1,000
Bromoform	ND	1,000
Isopropylbenzene	1,000	1,000
1,1,2,2-Tetrachloroethane	ND	1,000
1,2,3-Trichloropropane	ND	1,000

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@8FT	Diln Fac:	200.0
Lab ID:	212001-041	Batch#:	151001
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
Propylbenzene	2,700	1,000
Bromobenzene	ND	1,000
1,3,5-Trimethylbenzene	8,000	1,000
2-Chlorotoluene	ND	1,000
4-Chlorotoluene	ND	1,000
tert-Butylbenzene	ND	1,000
1,2,4-Trimethylbenzene	26,000	1,000
sec-Butylbenzene	1,300	1,000
para-Isopropyl Toluene	2,100	1,000
1,3-Dichlorobenzene	ND	1,000
1,4-Dichlorobenzene	ND	1,000
n-Butylbenzene	3,500	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	3,000	1,000
1,2,3-Trichlorobenzene	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	88	71-128
1,2-Dichloroethane-d4	87	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	246 *	77-131
Trifluorotoluene (MeOH)	123	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@11FT	Diln Fac:	200.0
Lab ID:	212001-042	Batch#:	151001
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

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
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@11FT	Diln Fac:	200.0
Lab ID:	212001-042	Batch#:	151001
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/14/09

Analyte	Result	RL
Propylbenzene	ND	1,000
Bromobenzene	ND	1,000
1,3,5-Trimethylbenzene	2,200	1,000
2-Chlorotoluene	ND	1,000
4-Chlorotoluene	ND	1,000
tert-Butylbenzene	ND	1,000
1,2,4-Trimethylbenzene	7,600	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	1,100	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	87	71-128
1,2-Dichloroethane-d4	83	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	173 *	77-131
Trifluorotoluene (MeOH)	125	56-147

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

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@14FT	Diln Fac:	9.615
Lab ID:	212001-043	Batch#:	150948
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

Analyte	Result	RL
Freon 12	ND	96
tert-Butyl Alcohol (TBA)	ND	960
Chloromethane	ND	96
Isopropyl Ether (DIPE)	ND	48
Vinyl Chloride	ND	96
Bromomethane	ND	96
Ethyl tert-Butyl Ether (ETBE)	ND	48
Chloroethane	ND	96
Methyl tert-Amyl Ether (TAME)	ND	48
Trichlorofluoromethane	ND	48
Acetone	ND	190
Freon 113	ND	48
1,1-Dichloroethene	ND	48
Methylene Chloride	ND	190
Carbon Disulfide	ND	48
MTBE	ND	48
trans-1,2-Dichloroethene	ND	48
Vinyl Acetate	ND	480
1,1-Dichloroethane	ND	48
2-Butanone	ND	96
cis-1,2-Dichloroethene	ND	48
2,2-Dichloropropane	ND	48
Chloroform	ND	48
Bromochloromethane	ND	48
1,1,1-Trichloroethane	ND	48
1,1-Dichloropropene	ND	48
Carbon Tetrachloride	ND	48
1,2-Dichloroethane	ND	48
Benzene	ND	48
Trichloroethene	ND	48
1,2-Dichloropropane	ND	48
Bromodichloromethane	ND	48
Dibromomethane	ND	48
4-Methyl-2-Pentanone	ND	96
cis-1,3-Dichloropropene	ND	48
Toluene	ND	48
trans-1,3-Dichloropropene	ND	48
1,1,2-Trichloroethane	ND	48
2-Hexanone	ND	96
1,3-Dichloropropane	ND	48
Tetrachloroethene	ND	48
Dibromochloromethane	ND	48
1,2-Dibromoethane	ND	48
Chlorobenzene	ND	48
1,1,1,2-Tetrachloroethane	ND	48
Ethylbenzene	ND	48
m,p-Xylenes	ND	48
o-Xylene	ND	48
Styrene	ND	48
Bromoform	ND	48
Isopropylbenzene	ND	48
1,1,2,2-Tetrachloroethane	ND	48
1,2,3-Trichloropropane	ND	48
Propylbenzene	ND	48

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-15@14FT	Diln Fac:	9.615
Lab ID:	212001-043	Batch#:	150948
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

Analyte	Result	RL
Bromobenzene	ND	48
1,3,5-Trimethylbenzene	ND	48
2-Chlorotoluene	ND	48
4-Chlorotoluene	ND	48
tert-Butylbenzene	ND	48
1,2,4-Trimethylbenzene	ND	48
sec-Butylbenzene	ND	48
para-Isopropyl Toluene	ND	48
1,3-Dichlorobenzene	ND	48
1,4-Dichlorobenzene	ND	48
n-Butylbenzene	ND	48
1,2-Dichlorobenzene	ND	48
1,2-Dibromo-3-Chloropropane	ND	48
1,2,4-Trichlorobenzene	ND	48
Hexachlorobutadiene	ND	48
Naphthalene	ND	48
1,2,3-Trichlorobenzene	ND	48

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	113	77-131

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

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495750	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150949
Units:	ug/Kg	Analyzed:	05/13/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495750	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150949
Units:	ug/Kg	Analyzed:	05/13/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	97	80-120
Bromofluorobenzene	92	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC495751	Diln Fac:	1.000
Matrix:	Soil	Batch#:	150949
Units:	ug/Kg	Analyzed:	05/13/09

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	123.1	99	56-140
Isopropyl Ether (DIPE)	25.00	23.51	94	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	23.71	95	66-132
Methyl tert-Amyl Ether (TAME)	25.00	24.80	99	75-128
1,1-Dichloroethene	25.00	23.55	94	73-135
Benzene	25.00	26.72	107	80-125
Trichloroethene	25.00	24.58	98	80-127
Toluene	25.00	27.66	111	80-126
Chlorobenzene	25.00	28.86	115	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	71-128
1,2-Dichloroethane-d4	88	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	87	77-131

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-12@13FT	Diln Fac:	0.9690
MSS Lab ID:	212001-032	Batch#:	150948
Matrix:	Soil	Sampled:	05/05/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/13/09

Type: MS Lab ID: QC495804

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<19.38	242.2	212.7	88	42-139
Isopropyl Ether (DIPE)	<0.9690	48.45	37.80	78	49-130
Ethyl tert-Butyl Ether (ETBE)	<0.9690	48.45	40.20	83	52-130
Methyl tert-Amyl Ether (TAME)	<0.9690	48.45	44.09	91	58-126
1,1-Dichloroethene	<0.9690	48.45	38.97	80	58-145
Benzene	<0.9690	48.45	45.14	93	56-126
Trichloroethene	<0.9690	48.45	46.28	96	50-142
Toluene	<0.9690	48.45	45.96	95	52-125
Chlorobenzene	<0.9690	48.45	46.57	96	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	71-128
1,2-Dichloroethane-d4	82	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	129	77-131

Type: MSD Lab ID: QC495805

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	242.2	165.6	68	42-139	25	36
Isopropyl Ether (DIPE)	48.45	33.79	70	49-130	11	27
Ethyl tert-Butyl Ether (ETBE)	48.45	35.67	74	52-130	12	26
Methyl tert-Amyl Ether (TAME)	48.45	38.05	79	58-126	15	25
1,1-Dichloroethene	48.45	38.55	80	58-145	1	28
Benzene	48.45	40.17	83	56-126	12	26
Trichloroethene	48.45	43.39	90	50-142	6	29
Toluene	48.45	43.47	90	52-125	6	29
Chlorobenzene	48.45	43.09	89	46-120	8	29

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	75	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	194 *	77-131

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495949	Diln Fac:	1.000
Matrix:	Soil	Batch#:	151001
Units:	ug/Kg	Analyzed:	05/14/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC495949	Diln Fac:	1.000
Matrix:	Soil	Batch#:	151001
Units:	ug/Kg	Analyzed:	05/14/09

Analyte	Result	RL
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	71-128
1,2-Dichloroethane-d4	87	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	94	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	151001
Basis:	as received	Analyzed:	05/14/09

Type: BS Lab ID: QC495950

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	116.6	93	56-140
Isopropyl Ether (DIPE)	25.00	20.35	81	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	21.41	86	66-132
Methyl tert-Amyl Ether (TAME)	25.00	24.20	97	75-128
1,1-Dichloroethene	25.00	22.39	90	73-135
Benzene	25.00	25.93	104	80-125
Trichloroethene	25.00	25.35	101	80-127
Toluene	25.00	27.47	110	80-126
Chlorobenzene	25.00	27.14	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	89	77-131

Type: BSD Lab ID: QC495951

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	125.7	101	56-140	8	26
Isopropyl Ether (DIPE)	25.00	22.07	88	65-131	8	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.35	93	66-132	9	20
Methyl tert-Amyl Ether (TAME)	25.00	25.85	103	75-128	7	20
1,1-Dichloroethene	25.00	23.25	93	73-135	4	20
Benzene	25.00	26.88	108	80-125	4	20
Trichloroethene	25.00	25.97	104	80-127	2	20
Toluene	25.00	27.36	109	80-126	0	20
Chlorobenzene	25.00	27.83	111	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	71-128
1,2-Dichloroethane-d4	90	69-135
Toluene-d8	91	80-120
Bromofluorobenzene	90	77-131

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC496148	Diln Fac:	1.000
Matrix:	Soil	Batch#:	151048
Units:	ug/Kg	Analyzed:	05/15/09

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
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
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC496148	Diln Fac:	1.000
Matrix:	Soil	Batch#:	151048
Units:	ug/Kg	Analyzed:	05/15/09

Analyte	Result	RL
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	98	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	95	77-131

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	151048
Basis:	as received	Analyzed:	05/15/09

Type: BS Lab ID: QC496149

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	135.9	109	56-140
Isopropyl Ether (DIPE)	25.00	19.99	80	65-131
Ethyl tert-Butyl Ether (ETBE)	25.00	22.66	91	66-132
Methyl tert-Amyl Ether (TAME)	25.00	24.57	98	75-128
1,1-Dichloroethene	25.00	25.89	104	73-135
Benzene	25.00	26.17	105	80-125
Trichloroethene	25.00	25.73	103	80-127
Toluene	25.00	27.49	110	80-126
Chlorobenzene	25.00	26.56	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	90	77-131

Type: BSD Lab ID: QC496150

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	122.7	98	56-140	10	26
Isopropyl Ether (DIPE)	25.00	19.81	79	65-131	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.58	90	66-132	0	20
Methyl tert-Amyl Ether (TAME)	25.00	24.17	97	75-128	2	20
1,1-Dichloroethene	25.00	24.67	99	73-135	5	20
Benzene	25.00	26.40	106	80-125	1	20
Trichloroethene	25.00	24.96	100	80-127	3	20
Toluene	25.00	26.93	108	80-126	2	20
Chlorobenzene	25.00	25.87	103	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-128
1,2-Dichloroethane-d4	86	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	94	77-131

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	212001	Location:	3820 Manila Ave, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2512	Analysis:	EPA 8260B
Field ID:	SB-11@5FT	Diln Fac:	0.9597
MSS Lab ID:	212001-025	Batch#:	150857
Matrix:	Soil	Sampled:	05/04/09
Units:	ug/Kg	Received:	05/07/09
Basis:	as received	Analyzed:	05/12/09

Type: MS Lab ID: QC495430

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<19.19	239.9	196.7	82	42-139
Isopropyl Ether (DIPE)	<0.9597	47.98	41.54	87	49-130
Ethyl tert-Butyl Ether (ETBE)	<0.9597	47.98	43.15	90	52-130
Methyl tert-Amyl Ether (TAME)	<0.9597	47.98	42.61	89	58-126
1,1-Dichloroethene	<0.9597	47.98	44.72	93	58-145
Benzene	<0.9597	47.98	50.14	104	56-126
Trichloroethene	<0.9597	47.98	51.77	108	50-142
Toluene	<0.9597	47.98	50.54	105	52-125
Chlorobenzene	<0.9597	47.98	45.80	95	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	71-128
1,2-Dichloroethane-d4	97	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	105	77-131

Type: MSD Lab ID: QC495431

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	239.9	194.6	81	42-139	1	36
Isopropyl Ether (DIPE)	47.98	39.93	83	49-130	4	27
Ethyl tert-Butyl Ether (ETBE)	47.98	40.40	84	52-130	7	26
Methyl tert-Amyl Ether (TAME)	47.98	40.39	84	58-126	5	25
1,1-Dichloroethene	47.98	41.38	86	58-145	8	28
Benzene	47.98	46.41	97	56-126	8	26
Trichloroethene	47.98	47.07	98	50-142	10	29
Toluene	47.98	47.18	98	52-125	7	29
Chlorobenzene	47.98	45.91	96	46-120	0	29

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-128
1,2-Dichloroethane-d4	93	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	102	77-131

RPD= Relative Percent Difference