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March 18, 2010

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

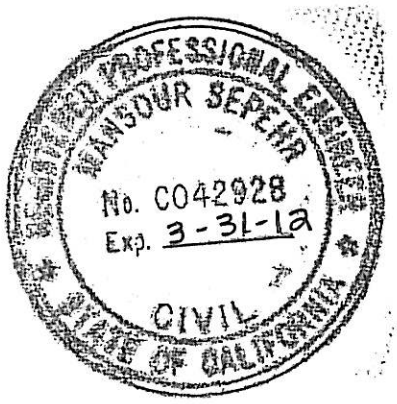
Subject: Fuel Leak Case#RO0458
Site Located at 3820 Manila Avenue, Oakland, California
Former Glovatorium Facility

Dear Mr. Wickham:

SOMA's "First Semi-Annual 2010 Groundwater Monitoring Report" for the subject property has been uploaded to the State's Geo Tracker database and Alameda County's FTP site 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,



Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

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

First Semi-Annual 2010
Groundwater Monitoring Report

Former Glovatorium Facility
3820 Manila Avenue
Oakland, California

March 18, 2010

Project 2511

Prepared for:

Loeb & Loeb LLP
10100 Santa Monica Boulevard, Suite 2200
Los Angeles, California 90067-4164

SOMA ENVIRONMENTAL ENGINEERING, INC.
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Perjury Statement

Stuart Depper	Responsible Party
Name	Title

3820 Manila Avenue	Oakland	94609
Street Address	City	Zip

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

Signature

3-17-10

Date

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report for the law offices of Loeb & Loeb LLP, to comply with Alameda County Department of Environmental Health requirements for the groundwater monitoring event and provide information necessary to defend claims brought against the owners by Earl Thompson and Grace Johnson.

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, owners of the former Glovatorium located at 3820 Manila Avenue (formerly known as 3815 Broadway), Oakland, California (Figure 1). The site is located in an area of primarily commercial and residential developments.

This report summarizes results of the groundwater monitoring event conducted at the site on February 1 and 2, 2010 and includes laboratory results for the groundwater samples.

In addition to the above laboratory analyses, the natural attenuation study initiated by Levine-Fricke Recon (LFR) in Third Quarter 2000 was continued during this monitoring event. The objective of the study was to evaluate whether perchloroethylene (PCE) and other volatile organic compounds (VOCs) found in the groundwater were biodegrading. Therefore, groundwater samples collected during this monitoring event were analyzed for common electron acceptors and other geochemical indicators. Results of these analyses are presented in this report.

All activities were performed in accordance with general guidelines of the California Regional Water Quality Control Board (CRWQCB) and the Alameda County Environmental Health Services (ACEHS). Appendix A details procedures followed by SOMA during this monitoring event.

This work is intended to determine the nature and extent of environmental contamination and whether contamination is affecting the neighboring Thompson property. This information is pertinent to the claim Mr. Thompson brought against the Deppers, owners of the Glovatorium. Data gathered by this work may also help determine when releases occurred, significant information that is pertinent to the defense against claims brought by Ms. Johnson, a former owner of the property.

1.1 Site Description

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

A 54-inch inside-diameter storm drain culvert passes under the property, from Manila Avenue on the west to 38th Street on 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 well 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 on the 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 gallons to 5,000 gallons. They reportedly contained Stoddard solvent, fuel oil and possibly waste oil. In August 1997, the six USTs were abandoned in place by backfilling with either cement-sand slurry or pea gravel. In addition, there are three USTs owned by Earl Thompson, Sr., under the sidewalk on 38th Street (Figure 2).

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 subject site's main building, UST areas, and on- and off-site groundwater monitoring wells.

1.2 Background

Geosolv, LLC (Geosolv) initiated the first soil and groundwater investigation in August 1997. Using the direct push method, Geosolv drilled 14 soil borings to 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.

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 groundwater monitoring event that suggested occurrence of strong anaerobic biodegradation activities and dechlorination of PCE beneath the site. On April 26 and 27, 2001, SOMA began its initial groundwater monitoring events. Results of the Second Quarter 2001 monitoring event indicated occurrence of strong dechlorination of PCE in the subsurface.

SOMA's June 2001 workplan recommended replacement of 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 installation of 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 titled "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.

1.3 Site Geology and Hydrogeology

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

Sediments encountered in soil borings are predominantly fine grained, consisting of clay, silty clay, sandy clay, gravelly clay and clayey silt. Discontinuous layers of coarse-grained sediments (clayey sand, silty sand, and clayey gravel) generally also contain relatively high percentages of silt and clay, which tend to reduce their permeability. 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 zone was encountered. However, as lithologic logs of the newly installed groundwater monitoring wells indicate, the water-bearing zone is composed of fine-grained, clayey silt sediments separated by very low-permeability intervening clay layers, which are unsaturated in some locations. For instance, SOMA-5, which has been 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 the shallow and deep layers, there is a significant vertical downward gradient between the shallow and deep wells.

Based on quarterly monitoring activities, depths of groundwater have ranged from 4 to 14 feet bgs at gradients ranging from 0.019 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.

1.4 Previous Activities

In order to demonstrate the fate and transport of PCE and other VOCs, SOMA conducted groundwater flow and chemical transport modeling and compared

results with those of routine groundwater monitoring data. Results of groundwater fate and transport modeling were used to conduct a human health risk assessment in order to evaluate site cleanup levels. 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 were dropping fairly 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 in the vicinity of SOMA-4 and B-8 (Figure 2). As a result, SOMA instituted an 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. By 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 Semi-Annual 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 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 total petroleum hydrocarbons as stoddard solvent (TPH-ss), which has the potential to dissolve PCE and 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 at the site. Test results indicated that MPE technology is highly effective in removing FP, chemically impacted groundwater and soil vapor from the subsurface. 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 preventing creation of FP.

From May 4 through May 22, 2009, SOMA advanced 16 soil and groundwater borings at the site to delineate the groundwater plume and smear zone. Based on results of soil and groundwater analysis, five new MPE wells (MPE-1 through MPE-5) were installed and SOMA-4, B-8, and B-10 were reconstructed as 2-inch wells (SOMA-4R, B-8R, and B-10R) with a screening interval from 5 to 20 feet bgs.

MPE pilot testing resumed on December 17, 2008 and continued to December 14, 2009.

2. RESULTS

This section describes results of the current groundwater monitoring event, including groundwater flow conditions, status of groundwater contamination, and occurrence of bioattenuation in the subsurface.

2.1 Groundwater Flow Conditions

Table 2 presents groundwater elevations in each well, calculated using depths to water and the elevation at the top of the well casings. Elevations ranged from 56.98 feet in SOMA-5 to 78.49 feet in MW-8. Refer to Table 2 for detailed groundwater elevation trends.

In evaluating groundwater flow direction and gradient, water level data from all "B" wells (except B-3, B-8R, and B-10R) and from GW-4, SOMA-1, SOMA-3, and SOMA-5 were not utilized for the following reasons:

1. No accurate information about construction details of the "B" wells installed by Geosolv is available, and water-level data from these wells are questionable. B-3, B-8R, and B-10R were reconstructed by SOMA into 2-inch wells.
2. GW-4 was installed adjacent to the storm drain system in order to evaluate whether the system is leaking. This well was installed in the shallow formation and may partially penetrate into the underlying water-bearing zone. Therefore, the water level elevation recorded inside GW-4 may not be representative of the underlying water-bearing zone.
3. SOMA-1, SOMA-3 and SOMA-5 have been completed in the deeper layer of the water bearing zone, and due to the strong vertical gradient, the water level elevation in this layer is significantly lower than in the shallow layer.

Figure 3 displays a contour map of groundwater elevations. In general, groundwater flows from northeast to southwest at an average gradient of 0.017 ft/ft. Groundwater flow direction and gradient have remained consistent with the previous monitoring event.

Due to presence of FP in wells MPE-2 and MPE-3 observed at thickness of 0.24 feet and 0.34 feet, respectively, groundwater elevations at these wells were corrected for presence of FP. Depth corrected to reflect the presence of free product is detailed below. Depth to groundwater and corresponding groundwater elevations and corrected groundwater elevations are shown in Table 2.

- Corrected Depth to Groundwater: During monitoring, 0.24 feet of FP was observed in MPE-2, and 0.34 feet in MPE-3. Depth to groundwater and the corresponding groundwater elevation were corrected for product thickness. The correction factor was calculated by multiplying the specific gravity of gasoline (0.68) by the FP thickness. This resulted in correction factors of 0.16-foot for MPE-2 and 0.23-foot for MPE-3 from the actual measured groundwater column at each well. The correction factor was subtracted from the actual measured depth to water. The resulting corrected groundwater elevation was slightly higher than the field measured value. Values reflecting the correction for the FP thickness are shown in Table 2.

Field measurements of some physical and chemical parameters of the groundwater samples are presented in detail in Appendix B field notes, and summarized in Table 3 along with their historical values. Water temperatures ranged from 13.59°C in GW-4 to 19.57°C in LFR-3. The temperature variation may reflect changes in air temperature during sampling. Measurements of pH ranged from 5.80 in SOMA-1 to 6.33 in MPE-4. Electrical conductivity (EC) ranged from 398 µS/cm in GW-4 to 1,573 µS/cm in SOMA-4R.

2.2 Groundwater Quality

Table 4 presents laboratory analysis results for the following: TPH-ss and TPH as gasoline (TPH-g); methyl tertiary-butyl ether (MtBE); and benzene, toluene, ethylbenzene, total xylenes (collectively termed BTEX).

SOMA's field crew was unable to obtain sufficient groundwater for sampling and analysis from SOMA-5. LFR-4 was not sampled because a truck was parked over the well both days of field work. SOMA's field crew left a note on the vehicle, but did not get a response either day. Wells MPE-2 and MPE-3 were not sampled due to the presence of FP.

Table 4 contains detailed groundwater concentration trends for TPH, MtBE and BTEX, discussed below.

TPH-ss was below the laboratory-reporting limit in GW-2, GW-3, MW-11, LFR-1, LFR-3, SOMA-1 and MPE-1. Detectable TPH-ss levels ranged from 250 µg/L in GW-4 to 430,000 µg/L in SOMA-2. Figure 4 shows the contour map of TPH-ss concentrations in groundwater. Since the previous monitoring event (Second Semi-Annual 2009), TPH-ss decreased in B-10R and MPE-4 and increased in LFR-2 and MPE-5.

TPH-g was below the laboratory-reporting limit in GW-2, GW-3, MW-11, LFR-3, and MPE-1. Detectable TPH-g concentrations ranged from 51 µg/L in LFR-1 and SOMA-1 to 700,000 µg/L in SOMA-2. All groundwater samples with detectable concentrations exhibited a chromatographic pattern that did not resemble the standard gasoline pattern. Figure 5 shows the contour map of TPH-g concentrations in groundwater. Since the previous monitoring event (Second Semi-Annual 2009), TPH-g increased in LFR-2 and MPE-5 and decreased in B-8R, B-10R, GW-3, SOMA-2, SOMA-4R, MPE-1 and MPE-4.

MtBE was below the laboratory-reporting limit in B-8R, B-10R, GW-2, GW-3, GW-4, MW-11, LFR-1, LFR-2, and LFR-3, SOMA-2 and MPE-1 and was detected in concentrations ranging from 2.1 µg/L in MPE-4 and MPE-5 to 360 µg/L in SOMA-1. However, there is no known on-site source of MtBE. Figure 6 shows the contour map of MtBE concentrations in the groundwater.

In general, BTEX constituents were below laboratory-reporting limits throughout the site, except for GW-2, LFR-2, SOMA-4R, MPE-4, and MPE-5. Figure 7 shows the map of benzene concentrations in groundwater.

- Toluene, ethylbenzene and total xylenes were below laboratory-reporting limits in GW-2, LFR-2 and MPE-5, and benzene was detected at low levels.
- In MPE-4, toluene was below laboratory-reporting limits and benzene, ethylbenzene, and total xylenes were detected at a low level.
- In SOMA-4R, benzene was below laboratory-reporting limits, toluene, ethylbenzene, and total xylenes were detected at 3.1 µg/L, 2.0 µg/L, and 6.5 µg/L, respectively.

Table 5 shows historical concentrations of VOCs in the groundwater, discussed below.

PCE was below the laboratory-reporting limit in groundwater samples from MW-11, LFR-2, SOMA-2, SOMA-3, SOMA-4R and MPE-5. Detectable PCE concentrations ranged from 0.6 µg/L in MPE-4 to 130 µg/L in B-10R. Figure 8 shows the contour map of PCE concentrations in groundwater. Since the previous monitoring event (Second Semi-Annual 2009), PCE has decreased in

B-10R, GW-3, SOMA-1, and MPE-1 and increased in B-8R, GW-2, GW-4, LFR-1, LFR-3, SOMA-4R, and MPE-4.

TCE was below the laboratory-reporting limit in groundwater samples from B-8R, GW-3, GW-4, MW-11, LFR-2, LFR-3, SOMA-2, SOMA-3, and SOMA-4R. Detectable TCE concentrations ranged from 1.6 µg/L in MPE-4 to 100 µg/L in B-10R. Figure 9 shows the contour map of TCE concentrations in groundwater. Since the previous monitoring event (Second Semi-Annual 2009), TCE has decreased in B-10R, LFR-1, and SOMA-1 and increased in GW-2, MPE-1, and MPE-5.

Cis-1,2-DCE was below the laboratory-reporting limit in groundwater samples from GW-2, GW-3, GW-4, MW-11, and LFR-3. Detectable cis-1,2-DCE concentrations ranged from 4.8 µg/L in LFR-1 to 2,000 µg/L in B-10R. Figure 10 shows the contour map of cis-1,2-DCE concentrations in groundwater. Since the previous monitoring event (Second Semi-Annual 2009), cis-1,2-DCE concentrations have decreased in B-8R, LFR-1, LFR-2, SOMA-1, SOMA-2, and MPE-1 and increased in B-10R, SOMA-3, SOMA-4R, MPE-4, and MPE-5.

Trans-1,2-dichloroethene (trans-1,2-DCE) was below the laboratory-reporting limit in all groundwater samples except at B-10R, LFR-1, SOMA-2, SOMA-4, MPE-1, MPE-4, and MPE-5. Detectable trans-1,2-DCE concentrations ranged from 1.1 µg/L in LFR-1 to 18 µg/L in SOMA-2. Figure 11 shows the contour map of trans-1,2-DCE concentrations in groundwater.

Vinyl chloride (VC) was below the laboratory-reporting limit throughout the site, except for a duplicate sample from LFR-2 at 5.7 µg/L. 1,2-dichloropropane (1,2-DCP) was below the laboratory-reporting limit throughout the site, except for samples from GW-4 at 0.6 µg/L. Due to generally low or non-detectable levels of these constituents throughout the site, no iso-concentration figures were drawn for VC and 1,2-DCP.

Table 5 shows detailed PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, VC, and 1,2-DCP groundwater concentration trends.

Appendix C includes chain of custody forms and laboratory analytical reports for this groundwater monitoring event.

2.3 Bioattenuation Parameter Analysis Results

Results of the bioattenuation study indicated that subsurface conditions are favorable for occurrence of intrinsic bioremediation processes in soil and groundwater. Results of this study indicated that PCE and other dissolved organic compounds are biodegrading beneath the site. For example, PCE levels in LFR-1 dropped from 2,800 µg/L in 2000 to 110 µg/L as of the current

monitoring event. SOMA's field crew measured bioattenuation parameters in situ. Dissolved methane was measured in the laboratory. Field measurements were taken in situ, within each well, to avoid introducing oxygen into the groundwater sample, which could result in erroneous readings.

Naturally occurring biological processes can enhance the removal rate of contaminants in the subsurface. During the degradation process, indigenous bacteria in the subsurface utilize energy released from the transfer of electrons to drive redox reactions that remove organic mass from contaminated groundwater. The more positive the redox potential of an electron acceptor, the more energetically favorable is the reaction utilizing that electron acceptor. Based on thermodynamic considerations, the most energetically preferred electron acceptor for redox reactions is dissolved oxygen (DO), followed by nitrate, manganese, ferric iron, sulfate, and carbon dioxide, in descending order of preference. Evaluating distribution of these electron acceptors can provide evidence of where, and to what extent, chlorinated and aliphatic hydrocarbon biodegradation is occurring. Byproducts of biodegradation processes are nitrite, ferrous iron, alkalinity, sulfide, methane, and carbon dioxide. Groundwater samples were tested to evaluate the extent of bioattenuation processes beneath the site.

Table 6 summarizes trends in bioattentuation parameters, discussed below.

Dissolved Oxygen: DO is the most favored electron acceptor used by microbes for biodegrading organic compounds. A DO concentration lower than 0.5 mg/L indicates anaerobic conditions. DO levels ranged from 0.29 mg/L in B-10R to 1.29 mg/L in MW-11. The contour map of DO concentrations in the groundwater is illustrated in Figure 12.

It should be noted that due to limitations of drilling equipment, SOMA-3 is still a ¾-inch-diameter well that was installed in the deeper zone, within the suspected chemical source area, which is inside the building. Although DO was measured in SOMA-3 at 1.22 mg/L, results might not be representative of overall subsurface conditions.

Nitrate: After DO has been depleted, nitrate may be used as an electron acceptor for anaerobic biodegradation. Nitrate concentrations lower than 1.0 mg/L may indicate that reductive dechlorination is occurring. Nitrate was below the minimum equipment tolerance level in B-10R, LFR-2, SOMA-3, SOMA-4R, MPE-1, MPE-4, and MPE-5 and detectable concentrations ranged from 0.2 mg/L in MW-11 to 6.50 mg/L at B-8R. The contour map of nitrate concentrations in groundwater is illustrated in Figure 13.

Manganese: After DO and nitrate have been depleted, manganese may be used as an electron acceptor for anaerobic biodegradation. Therefore, increased dissolved manganese concentrations in groundwater indicate reductive

dechlorination. Soluble manganese was detected in all groundwater samples except the one from MW-11. Detectable manganese concentrations ranged from 0.8 mg/L in GW-2 and LFR-1 to 46.7 mg/L in MPE-5. The contour map of dissolved manganese concentrations in the groundwater is illustrated in Figure 14.

Sulfate: After DO, nitrate, and manganese have been depleted, sulfate may be used as an electron acceptor for anaerobic biodegradation. This process is termed sulfate reduction, and results in production of sulfide. Sulfate concentrations lower than 20 mg/L indicate reductive dechlorination (EPA 1998). Sulfate was not detected in LFR-2 and SOMA-2. Detectable sulfate levels ranged from 5 mg/L in MPE-4 to the equipment maximum allowable tolerance level of 80 mg/L in B-10R,MW-11, and MPE-1. The contour map of sulfate concentrations in the groundwater is illustrated in Figure 15.

Ferrous Iron: Increased ferrous iron concentrations often accompany anaerobic degradation. Ferric iron can be used as an electron acceptor during anaerobic biodegradation. During this process, ferric iron is reduced to ferrous iron, which may be soluble in water. Ferrous iron concentrations can thus be used as an indicator of anaerobic biodegradation. Detectable ferrous iron concentrations ranged from 0.03 mg/L in MW-11 to 3.30 mg/L in B-8R, B-10R, GW-4, LFR-2, SOMA-2, SOMA-4R, and MPE-5. Ferrous iron concentrations were not detected in GW-2 and SOMA-1. The contour map of ferrous iron concentrations in the groundwater is illustrated in Figure 16.

Methane: The presence of methane in groundwater indicates strongly reduced conditions and suggests reductive dechlorination by the process of methanogenesis. Methane was below the laboratory-reporting limit in GW-2, GW-3, MW-11, LFR-1, and LFR-3. Detectable methane concentrations ranged from 0.035 mg/L in MPE-1 to 7.7 mg/L in LFR-2. Higher concentrations of methane indicate conditions conducive to anaerobic biodegradation. The contour map of methane concentrations in groundwater is illustrated in Figure 17.

Oxygen Reduction Potential (ORP): The ORP of groundwater is a measure of electron activity and an indicator of the relative tendency of a solution to accept or transfer electrons. ORP may range from greater than 800 mV to less than -400 mV, with lower values expected in areas where anaerobic processes are occurring. ORP measurements obtained in this sampling event ranged from -134.7 mV in SOMA-4R to +126.50 mV in GW-3.

Negative ORP values, detected in B-8R, B-10R, GW-4, LFR-2, SOMA-2, SOMA-4R, MPE-4, and MPE-5, indicate that conditions in and near the apparent source area are conducive to anaerobic biodegradation. Positive redox potentials are more energetically favorable in utilizing electron acceptors during chemical reactions. This promotes removal of organic mass from the contaminated

groundwater by indigenous bacteria in the subsurface. Refer to Table 6 for detailed bioattentuation parameter trends.

2.4 Other Parameters

Table 3 summarizes pH, temperature, conductivity and other parameters discussed below.

Alkalinity: Alkalinity is a general water quality parameter. High alkalinity levels are a result of interaction between carbon dioxide (a product of several biodegradation processes) and aquifer minerals. Due to the inconclusive data collected during previous groundwater monitoring events in connection with the bioattenuation process, no alkalinity data was collected during the current or previous groundwater monitoring events.

Chloride: Chloride is the final product of the reduction of chlorinated solvents, and also a general water quality parameter. Due to the inconclusive data collected during previous groundwater monitoring events in connection with the bioattenuation process, no chloride data was collected during this or previous groundwater monitoring events.

Carbon Dioxide: Carbon dioxide is a product of several biodegradation processes. Due to the inconclusive data collected during previous groundwater monitoring events in connection with the bioattenuation process, no carbon dioxide data was collected during recent groundwater monitoring events.

Iron: Ferric iron may be used as an electron acceptor during anaerobic biodegradation. During this process, ferric iron is reduced to ferrous iron that may be soluble in water. Ferric iron concentrations may be obtained by subtracting ferrous iron concentrations from total iron concentrations. Total iron was detected in all the sampled wells. Detectable total iron concentrations ranged from 0.03 mg/L in SOMA-1 to the equipment maximum allowable tolerance level of 3.30 mg/L in B-8R, B-10R, GW-4, LFR-2, SOMA-2, SOMA-3, SOMA-4R, MPE-1, MPE-4, and MPE-5.

Nitrite: Nitrate may reduce to nitrite during the process of anaerobic biodegradation. Nitrite was below the equipment minimal tolerance level in LFR-1, LFR-2, SOMA-2, SOMA-3, SOMA-4R MPE-1, MPE-4, and MPE-5. Detectable nitrite concentrations ranged from 0.001 in B-10R to 0.019 mg/L in GW-4.

Sulfide: When sulfate is used as an electron acceptor for anaerobic biodegradation it is reduced to sulfide. Due to the inconclusive data collected during previous groundwater monitoring events in connection with the

bioattenuation process, sulfide data was not collected during the current groundwater monitoring event.

pH, Temperature, and Conductivity: The pH of groundwater affects activity of microbial populations in the groundwater, with optimal pH values ranging from 6 to 8 standard units for microbes capable of degrading PCE and other chlorinated aliphatic hydrocarbons. Groundwater temperature affects metabolic activity of bacteria, and groundwater conductivity is directly related to the concentration of ions in solution. The pH, temperature, and conductivity values are included in Table 3.

3. FREE PRODUCT REMOVAL ACTIVITIES

Prior to installation of a skimmer pump in SOMA-4 on January 28, 2004, over 9 feet of FP was on the surface of groundwater in this well. On February 6, 2004, SOMA installed a flexible axial peristaltic pump (FAP system) in SOMA-4 to remove FP.

In August 2004, SOMA converted borings B-3 and B-8 into wells for removal of FP from these locations. The FAP system was installed in B-8, in addition to the February 2004 installation in SOMA-4, to remove FP. As of March 2008, approximately 1,895 gallons of FP and contaminated groundwater were removed by the FAP from these two wells, and transported off-site by NRC. SOMA has been frequently checking levels of, and removing, FP.

During the First Semi-Annual 2008 monitoring event, FP was unexpectedly observed in wells B-10 and SOMA-2 at 2.76 feet and 0.71 feet, respectively.

During MPE pilot testing (September-October 2008), an additional 60 gallons of FP was removed from the extraction wells.

During the current monitoring event, FP was observed in MPE-2 and MPE-3 at 0.24 feet and 0.34 feet, respectively. No FP was observed in other wells. Table 7 shows field observations for SOMA-4, B-8, B-10, SOMA-2, and MPE wells.

Figure 18 illustrates historical FP thickness measured in extraction wells.

4. MULTI-PHASE EXTRACTION (MPE) PILOT TESTING

Extended MPE pilot testing was conducted at the site using B-8, B-10, SOMA-4, and SOMA-2. The testing began in September 2008, continued until October 2008, and was resumed on December 17, 2008 and continued until December 14, 2009. SOMA focused on removing FP from MPE-2, MPE-3 and SOMA-2 to

remove the free product from these wells. MPE pilot test results are documented in SOMA's report, "Site Investigation, Monitoring Well Modifications, Extraction Well Installation, and Continued MPE Pilot Testing" dated August 17, 2009.

5. FINDINGS REGARDING CURRENT ENVIRONMENTAL CONDITIONS, AND RECOMMENDATIONS

5.1 Current Environmental Conditions

Based on data obtained during the First Semi-Annual 2010 groundwater monitoring event, current environmental conditions at the site are as follows:

1. All analyzed constituents in the farthest downgradient well, LFR-3, were below laboratory-reporting limits except for PCE (detected at 1.2 µg/L). Results are consistent with modeling performed by SOMA which predicted that PCE would barely reach LFR-3. Furthermore, all analyzed constituents in the farthest upgradient well, MW-11, were below laboratory-reporting limits.
2. Data collected to date regarding distribution of PCE and other VOCs in groundwater demonstrate that PCE has degraded into some of its breakdown products in certain groundwater monitoring wells.
3. During the current event, MPE-2 and MPE-3 were not sampled due to the presence of FP. Results of this sampling event showed a significant decrease in PCE and TCE levels in B-10R, since the sampling event of February and March 2008, when FP was discovered for the first time in B-10 and SOMA-2. Since the previous monitoring event (Second Semi-Annual 2009) and post reconstruction, PCE and TCE have decreased in B-10R.
4. PCE typically degrades into TCE, then cis-1,2-DCE and then trans-1,2-DCE (at much lower concentrations than cis-1,2-DCE), then to VC, ethane and ethene and, finally, to carbon dioxide, water, and chloride. This sequence of degradation would be anticipated where biological reductive dehalogenation of PCE is occurring. The presence of TCE in B-10R, GW-2, LFR-1, SOMA-1, MPE-1 and MPE-5 demonstrates that PCE degradation is occurring. The presence of cis-1,2-DCE in B-8R, B-10R, LFR-1, LFR-2, SOMA-1, SOMA-2, SOMA-3, SOMA-4R, MPE-1, MPE-4, and MPE-5 indicates the occurrence of dechlorination of PCE in the subsurface. In addition, VC was detected in LFR-2, which indicates final stages of biodegradation activities in subsurface.
5. Results of DO, nitrate, manganese, sulfate, ferrous iron, methane, and ORP measurements demonstrate that conditions in the apparent source area are conducive to reductive dechlorination processes.

6. In general, the region near B-10R, SOMA-2, GW-3, LFR-1, MPE-2, and MPE-3 appears to be more impacted by chemicals of potential concern.
7. It is expected that concentrations of dissolved-phase chemicals will decrease due to ongoing dehalogenation processes in subsurface and that concentrations of chemicals of concern will approach the Environmental Screening Levels set forth by the CRWQCB, San Francisco Bay Region.

5.2 Recommendations

Results of the current groundwater monitoring event show significant reduction in chlorinated solvent concentrations throughout the site. This is due largely to MPE pilot testing. However, due to financial constraints, MPE pilot testing has stopped.

Results of the current groundwater monitoring event show that elevated concentrations of TPH-ss and TPH-g remain in subsurface. In addition, following termination of pilot testing in December 2009, FP was reported at MPE-2 and MPE-3. Although reported chlorinated solvent concentrations have approached risk-based closure levels, presence of FP and elevated levels of TPH-ss and TPH-g remain a concern. As such, 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 remaining VOCs from the smear zone. Due to the presence of low levels of chlorinated solvents in subsurface, SOMA recommends considering using catalytic oxidizer as a preferred and economical option for treating off-gas from the MPE unit. In addition, due to widespread and significant TPH-g and TPH-ss levels in soil and groundwater, SOMA recommends considering additional MPE units to the existing system for timely, efficient, and cost-effective removal of contaminants from soil and groundwater.

TABLES

Table 1
Construction Data for Temporary Sampling Points and Monitoring Wells
Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Location	Date Installed	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Total Depth (feet)	Screen Interval Depth (feet)	Screen Interval Elevation (feet)
Temporary Sampling Points Installed by Geosolv, LLC						
B-2	19-Aug-97	82.20	82.09	21	5 to 21	77.2 to 61.2
B-3[1]	19-Aug-97	82.60	82.57	18	5 to 18	77.6 to 64.6
B-7	20-Aug-97	77.33	76.96	17.5	5 to 17.5	72.3 to 59.8
B-8	20-Aug-97	82.06	81.82	24	9 to 24	73.1 to 58.1
B-9	21-Aug-97	77.57	77.37	19.5	4.5 to 19.5	73.1 to 58.1
B-10	21-Aug-97	81.65	81.50	19	4 to 9	77.7 to 62.7
B-13	22-Aug-97	85.12	84.58	20	5 to 20	80.1 to 65.1
Temporary Sampling Points Installed by LFR						
GW-1	16-Jul-99	80.24	79.94	8	3 to 8	77.2 to 72.2
GW-2	16-Jul-99	79.44	79.14	20	10 to 20	69.4 to 59.4
GW-3	15-Jul-99	78.48	77.92	20	10 to 20	68.5 to 58.5
GW-4	16-Jul-99	82.55	82.37	12	7 to 12	75.6 to 70.6
GW-5	15-Jul-99	81.31	81.01	13	8 to 13	73.3 to 68.3
GW-6[2]	15-Jul-99	81.91	81.65	13.5	7.5 to 13.5	74.4 to 68.4
GW-6A[2]	16-Jul-99	81.93	81.61	15	5 to 15	76.9 to 66.9
GW-7[2]	15-Jul-99	81.30	NS	20	10 to 20	71.3 to 61.3
GW-8[2]	16-Jul-99	80.28	80.10	20	10 to 20	70.3 to 60.3
Temporary Sampling Points Installed by TOSCO						
MW-8	unknown	NS	87.44	unknown	unknown	unknown
MW-9	unknown	NS	86.56	unknown	unknown	unknown
MW-11	unknown	NS	84.13	unknown	unknown	unknown
Groundwater Monitoring Wells Installed by LFR						
LFR-1	28-Jul-00	NS	79.97	19	9 to 19	unknown
LFR-2	27-Jul-00	NS	81.89	19	9 to 19	unknown
LFR-3	27-Jul-00	NS	77.96	22	12 to 22	unknown
LFR-4	28-Jul-00	NS	81.65	19	9 to 19	unknown
Groundwater Monitoring Wells Installed by SOMA						
SOMA-1	4-Oct-01	82.31	81.64	40	25 to 40	42.31 to 57.71
SOMA-2 *	11-Oct-01	84.61	84.38	20	10 to 20	61.62 to 71.62
SOMA-3	11-Oct-01	81.65	81.42	30	21 to 26	60.65 to 71.51
SOMA-4	12-Oct-01	81.51	81.09	20	10 to 20	61.51 to 71.51
SOMA-5	12-Oct-01	61.68	81.50	26	21 to 26	55.68 to 60.68
B-8R	19-May-09	85.07	84.66	20	5 to 20	79.66 to 64.66
B-10R	18-May-09	84.60	83.98	20	5 to 20	78.98 to 63.98
SOMA-4R	18-May-09	84.49	83.95	20	5 to 20	78.95 to 63.95
MPE-1	21-May-09	84.65	84.41	20	2.5 to 20	81.91 to 64.41
MPE-2	21-May-09	85.09	84.66	20	2.5 to 20	82.16 to 64.66
MPE-3	22-May-09	85.14	84.87	20	2.5 to 20	82.37 to 64.87
MPE-4	21-May-09	84.80	84.45	20	2.5 to 20	81.95 to 64.45
MPE-5	19-May-09	85.23	84.64	20	2.5 to 20	82.14 to 64.64

Notes:

[1] Top of casing surveyed on south side on January 21, 2000, because the casing was broken.

[2] GW-7 was abandoned on July 15, 1999, in accordance with LFR's workplan dated May 6, 1999. GW-6 and GW-8 were abandoned on July 26, 2000, in accordance with LFR's workplan dated June 14, 2000.

NS = Not surveyed.

* SOMA-2 was resurveyed along with the new MPE wells in July 2009

Table 2
Historical Groundwater Elevation Data (feet)
Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Date	B-2	B-3	B-7	B-8	B-8R	B-9	B-10	B-10R	B-13
1-Feb-10	**73.71**	**73.72**	**DRY**		**74.14**	**67.39**		**73.55**	**DRY**
11-Aug-09	72.11	72.03	DRY		73.01	64.79		71.79	DRY
9-Feb-09	73.46	73.72	DRY	70.52		66.72	70.63		DRY
21-Aug-08	71.98	72.65	DRY	68.80		66.64	70.47		DRY
19-Feb-08	78.05	74.51	DRY	68.27		68.33	69.75		64.58
23-Aug-07	70.45	71.54	DRY	64.66		63.89	67.76		75.59
28-Feb-07	78.13	76.18	Dry	70.80		70.14	74.18		75.77
05-Jul-06	74.24	74.86	68.78	62.47		68.81	72.70		75.66
05-Jan-06	79.72	77.85	71.76	74.02		71.28	74.91		NM
05-Jul-05	74.49	75.23	69.05	NM		69.05	72.91		DRY
1-Feb-05	75.67	76.19	72.85	NM		69.76	73.54		75.90
03-Aug-04	73.52	73.46	68.03	73.90		68.22	72.13		75.57
29-Jan-04	74.99	75.31	70.01	NM		69.24	73.07		75.66
29-Jul-03	73.99	73.83	68.53	72.39		68.67	72.58		75.80
18-Feb-03	75.83	75.55	69.94	73.01		70.00	73.87		75.77
22-Oct-02	73.29	73.06	67.98	71.43		68.10	72.09		NM
17-Jul-02	74.02	73.82	NM	72.37		68.59	72.51		NM
16-Apr-02	75.16	75.34	69.41	73.54		69.38	73.21		NM
31-Jan-02	77.35 (FP)	77.16 (FP 0.5')	70.79	75.03 (FP 0.5')		70.43	74.14		77.53 (FP 0.7')
18-Oct-01	73.26 (0.25' FP)	73.24 (1' FP)	67.89	69.51 (2.1' FP)		67.98	71.96		DRY
26-Jul-01	73.86	73.17	68.69	70.41		68.73	72.61		DRY
26-Apr-01	75.26	74.00	69.60	73.19		69.80	73.61		
29-Jan-01	74.63	75.06	69.11	74.23		69.33	73.20		
2-Nov-00									
31-Oct-00									
30-Oct-00	74.34	74.84 (FP)	69.01	73.32		69.42	73.35		DRY
10-Aug-00									
9-Aug-00	73.9 (FP)	74.55 (FP)	68.61	72.8 (FP)		68.82	72.65		75.23
27-Apr-00	75.41 (FP)	75.86 (FP)	69.85 (FP)	74.14 (FP)		69.96	73.70		75.87
25-Jan-00									
24-Jan-00	75.93 (FP)	75.83	69.66 (FP)	72.84		70.25 (FP)	74.15(FP)		
21-Jan-00									76.32
20-Jan-00									
19-Jan-00	73.97 (FP)	73.22 (2)	68.6 (FP)	71.81 (FP)		68.91(FP)	73.02(FP)		74.18
27-Aug-99									
18-Feb-98	78.16 (1)	78.04 (1)	71.57 (1)	76.64 (1)		71.44(1)	75.13(1)		78.51(1)
26-Oct-97	72.66 (1)	73.64 (1)	68.09 (1)	71.11 (1)		68.39(1)	72.26(1)		73.02(1)

Table 2
Historical Groundwater Elevation Data (feet)
Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Date	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6A	GW-8	MW-8	MW-9	MW-11
1-Feb-10	**72.11**	**66.66**	**68.04**	**74.53**	**71.08**	**68.03**	**NM**	**78.49**	**77.71**	**71.53**
11-Aug-09	DRY	67.60	67.45	DRY	68.65	67.67	NM	76.54	75.99	72.43
9-Feb-09	DRY	67.28	68.01	74.87	68.59	67.76	NM	77.23	76.83	71.64
21-Aug-08	DRY	66.59	67.88	DRY	68.88	67.70	NM	76.38	75.94	68.43
19-Feb-08	DRY	60.89	67.15	74.81	69.10	67.94	NM	76.70	76.00	69.82
22-Aug-07	DRY	DRY	66.71	DRY	68.54	67.89	NM	75.98	75.15	70.70
28-Feb-07	72.31	69.95	68.39	74.90	69.73	68.13	NM	79.05	78.64	71.30
05-Jul-06	71.94	69.74	66.49	70.37	68.96	68.01	NM	77.74	77.72	72.47
05-Jan-06	72.13	70.29	68.06	75.08	70.59	69.01	NM	80.66	79.96	71.51
5-Jul-05	DRY	69.38	67.03	73.57	69.53	68.03	NM	77.81	77.73	70.21
1-Feb-05	72.13	68.72	67.91	74.40	69.89	68.04	NM	78.46	78.42	71.68
3-Aug-04	72.13	68.19	67.54	72.54	69.46	67.93	NM	NM	NM	73.22
29-Jan-04	NM	68.37	68.05	74.69	68.71	68.00	NM	77.82	78.76	74.08
29-Jul-03	NM*	68.69	67.67	72.61	68.82	67.97	NM	77.44	77.11	73.78
18-Feb-03	NM*	69.02	68.26	74.75	70.35	67.97	NM	78.82	78.59	74.68
22-Oct-02	NM*	67.92	67.78	71.70	68.67	67.85	NM	76.89	76.51	73.12
17-Jul-02	NM*	68.61	67.78	72.65	68.76	67.95	NM	77.27	77.12	73.90
16-Apr-02	NM	69.76	68.14	74.11	68.68	68.07	NM	77.97	NM	74.98
31-Jan-02	-	69.77	68.28	74.83	68.78	68.06		78.86	79.41	75.48
18-Oct-01	NM	67.91	67.67	74.22	68.41	67.81		76.81	76.46	72.97
26-Jul-01	NM	68.55	67.84	73.85	68.77	68.00		77.40	77.03	73.73
26-Apr-01	NM	69.41	67.93	74.59	68.43	68.43				74.81
29-Jan-01	71.99	68.62	67.89	74.92	68.61	67.90		78.14	77.95	73.79
2-Nov-00								78.38	78.31	
31-Oct-00										
30-Oct-00		68.45	67.95	74.55	68.64	68.16				73.62
10-Aug-00								77.26	77.14	
9-Aug-00	DRY	69.11	66.54	DRY	68.71	67.88				74.12
27-Apr-00	DRY	70.59	68.16	73.97	68.70	68.00	71.34	79.15	77.25	75.35
25-Jan-00										73.48
24-Jan-00										
21-Jan-00		68.32		74.33						
20-Jan-00			67.93		68.61		70.42			
19-Jan-00	DRY	68.24	67.86	74.71	68.61	67.63	70.44			
27-Aug-99	DRY	68.46	67.66	NM	68.71	67.71	70.60			
18-Feb-98										
26-Oct-97										

Table 2
Historical Groundwater Elevation Data (feet)
Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Date	LFR-1	LFR-2	LFR-3	LFR-4	SOMA-1	SOMA-2	SOMA-3	SOMA-4	SOMA-4R	SOMA-5
1-Feb-10	**70.38**	**72.31**	**65.57**	**NM**	**65.60**	**72.47**	**67.61**		**71.66**	**56.98**
11-Aug-09	69.95	69.44	66.17	67.09	66.79	71.69	68.59		71.80	56.92
9-Feb-09	70.42	70.74	66.37	67.51	66.86	70.69	67.97	69.00		59.28
21-Aug-08	69.81	69.57	65.20	66.02	65.63	70.63	67.24	67.27		56.49
19-Feb-08	69.94	70.90	61.64	62.35	61.04	71.39	64.87	64.51		56.51
23-Aug-07	69.64	69.18	60.03	62.52	59.51	69.72	63.23	63.05		DRY
28-Feb-07	70.98	73.41	67.90	69.99	69.10	73.73	70.96	71.63		61.57
05-Jul-06	70.36	71.29	67.60	69.33	68.99	72.59	71.02	71.11		78.70
05-Jan-06	70.97	74.56	69.04	NM	70.11	77.59	71.99	FP		76.78
5-Jul-05	70.26	71.52	67.45	69.31	68.55	75.77	70.65	FP		78.66
1-Feb-05	70.61	72.64	68.09	NM	69.08	73.20	71.05	NM		78.92
3-Aug-04	70.13	70.70	66.42	NM	67.24	69.34	72.03	NM		62.18
28-Jan-04	70.41	NM	67.44	69.13	68.33	73.34	73.00	FP		58.50
29-Jul-03	70.18	70.96	66.71	68.37	67.84	69.84	72.48	FP		57.18
18-Feb-03	70.63	73.08	67.61	69.44	68.77	70.74	73.77	NM		56.59
22-Oct-02	70.00	70.48	66.13	67.85	66.92	69.00	72.01	NM		59.43
17-Jul-02	70.18	70.98	67.67	68.33	67.62	72.40	69.64	NM		59.53
16-Apr-02	70.36	71.71	67.60	69.27	68.85	73.06	70.90	68.56		59.48
31-Jan-02	70.56	71.92	67.72	NM	69.36	73.98	71.46	69.79(FP 2.5')		57.38
18-Oct-01	70.04	70.53	66.09	67.74	67.89	71.86	68.32	69.77		NM
26-Jul-01	70.16	70.92	66.56	68.33						
26-Apr-01	70.23	71.90	67.62	68.87						
29-Jan-01	70.44	72.04	66.96	67.92						
2-Nov-00										
31-Oct-00				68.14						
30-Oct-00	70.22	71.62	66.99							
10-Aug-00										
9-Aug-00	70.16	69.99	66.76	68.39						
27-Apr-00										
25-Jan-00										
24-Jan-00										
21-Jan-00										
20-Jan-00										
19-Jan-00										
27-Aug-99										
18-Feb-98										
26-Oct-97										

Table 2
Historical Groundwater Elevation Data (feet)
Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Date	MPE-1	MPE-2	*FP (feet)*	*MPE-2 corr. FP*	MPE-3	*FP (feet)*	*MPE-3 corr. FP*	MPE-4	MPE-5
1-Feb-10	**74.75**	**73.77**	**0.24**	**73.93**	**75.56**	**0.34**	**75.79**	**75.33**	**76.15**
11-Aug-09	72.31	72.22	-	-	73.54	-	-	72.71	74.45

Notes:

1= Survey elevation and water-level measurement taken at concrete surface. Elevations and water levels without a "1" in Notes Column were measured from top of casing.

2= Top of the casing was re-surveyed because it was broken.

"-" Not applicable or Not available

* Monitoring well GW-1 was dry

Monitoring wells MW-8, MW-9, and LFR-4 were inaccessible in Third Quarter 2004

MPE-1 through MPE-5 were installed May 2009

FP= Floating product or sheen was observed.

* Depth to groundwater corrected for product thickness:

Therefore, corrected depth to groundwater is equal to (measured depth to water)- 0.68x(free product thickness)

Therefore, corrected groundwater elevation is shown using both (measured and corrected) groundwater elevations

The correction factor is derived by the following: specific gravity of gas at 20^{o}C is 0.68, then specific gravity is multiplied by the thickness of free product

The specific gravity is defined as the ratio of water density to determined substance density. Water density is equal to one

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
Temporary Sampling Points Installed by Geosolv, LLC												
B-7	11-Aug-00	760	39	202				<0.0005	<0.0005	6.86	17.55	1279
B-7 field	11-Aug-00					-1.00	0.05					
	31-Oct-00	760	42	200	14.00	<0.1	<2.0					
B-7 field	31-Oct-00				17.22	-1.00	-1.00			6.16	16.05	1454
	31-Jan-00	720	43	170	12.00	<0.1	<2.0					
B-7 field	31-Jan-00									6.79	13.90	1424
	26-Apr-01				>3.3	0.24				6.59	16.30	1340
	26-Jul-01				15.30	0.02				6.39	15.97	1400
B-8R	12-Aug-09	NM	NM	NM	1.00	0.043	NM	NM	NM	6.48	18.17	1222
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.015**	**NM**	**NM**	**NM**	**6.00**	**16.85**	**1307**
B-10 field	10-Aug-00					0.02	0.06					
B-10	31-Oct-00	500	76	120	6.60	<0.1	<2.0					
	31-Oct-00				8.35	0.00	0.00			6.21	16.62	1051
	31-Jan-01	480	81	72	6.10	<0.1	<2.0					
	31-Jan-01				1.44	0.07				6.81	14.66	1117
	11-Jun-01				1.31					6.65	16.70	1090
	26-Jul-01				6.50	0.00				6.38	16.09	1160
	10-Aug-01	520	74	145	6.00	<0.05	<0.04	<0.0005	0.00	6.86	16.80	1130
	6-Jul-05	NM	NM	NM	3.30	0.348	NM	<0.005	<0.005	6.70	16.55	1420
	9-Jan-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.68	16.48	1410
	6-Jul-06	NM	NM	NM	3.30	0.122	NM	<0.005	<0.005	7.19	15.80	1170
	1-Mar-07	NM	NM	NM	3.20	0.000	NM	<0.005	<0.005	7.12	10.79	776
	23-Aug-07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	20-Feb-08	NM	NM	NM	3.30	0.244	NM	NM	NM	NM	NM	NM
	21-Aug-08	NM	NM	NM	3.30	0.196	NM	NM	NM	6.83	20.43	380
	10-Feb-09	NM	NM	NM	3.30	0.012	NM	NM	NM	6.89	14.33	7
B-10R	12-Aug-09	NM	NM	NM	3.30	0.070	NM	NM	NM	6.21	18.89	1083
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.001**	**NM**	**NM**	**NM**	**5.93**	**18.50**	**1173**
Temporary Sampling Points Installed by LFR												
GW-2	01-Nov-00									6.31	18.97	1218
	30-Jan-01			63								
GW-2 field	31-Jan-01									6.82	13.75	846
	26-Apr-01				0.02					6.80	19.50	874
	26-Jul-01				0.03	0.02				6.74	20.30	803
	19-Oct-01	NM	NM	NM	NM	NM	NM	NM	NM	6.84	21.30	786

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
GW-2 cont.	31-Jan-02	NM	NM	NM	1.05	0.01	NM	NM	NM	6.70	17.70	797
	16,17-Apr-02	NM	NM	NM	0.65	0.02	NM	NM	NM	6.38	17.00	707
	17,18-Jul-02	NM	NM	NM	1.39	0.00	NM	NM	NM	6.35	17.75	798
	23-Oct-02	NM	NM	NM	0.12	0.04	NM	NM	NM	6.73	19.78	670
	19-Feb-03	NM	NM	NM	0.10	0.02	NM	NM	NM	6.86	18.10	607
	29-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	7.26	20.10	651
	29-Jan-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.72	18.00	542
	4-Aug-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.85	19.92	561
	2-Feb-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.82	18.34	503
	6-Jul-05	NM	NM	NM	0.00	0.00	NM	<0.005	<0.005	6.78	19.07	529
	6-Jan-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.88	17.89	510
	6-Jul-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.99	17.80	657
	28-Feb-07	NM	NM	NM	0.37	0.024	NM	<0.005	<0.005	6.27	16.70	544
	22-Aug-07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	20-Feb-08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	22-Aug-08	NM	NM	NM	0.30	0.032	NM	NM	NM	6.55	22.66	422
	9-Feb-09	NM	NM	NM	0.22	0.004	NM	NM	NM	6.59	17.40	614
	11-Aug-09	NM	NM	NM	0.07	0.000	NM	NM	NM	6.46	20.21	585
	1-Feb-10	**NM**	**NM**	**NM**	**0.06**	**0.005**	**NM**	**NM**	**NM**	**6.13**	**17.75**	**473**
GW-3	11-Aug-00	340	25	54				<0.0005	<0.0005	7.05	21.43	860
GW-3 field	11-Aug-00					0.05	-1.00					
GW-3 field	1-Nov-00									6.52	18.83	967
	1-Feb-01			54								
GW-3 field	29-Jan-01									6.89	17.29	602
	11-Jun-01				0.00	0.70				5.68	16.20	673
	26-Jul-01				0.14	0.00				6.53	22.25	547
	19-Oct-01	NM	NM	NM	0.00	NM	NM	NM	NM	6.84	22.56	590
	31-Jan-02	NM	NM	NM	0.14	0.01	NM	NM	NM	6.70	18.40	593
	16,17-Apr-02	NM	NM	NM	0.00	0.00	NM	NM	NM	6.64	16.61	526
	17,18-Jul-02	NM	NM	NM	1.08	0.01	NM	NM	NM	6.32	17.10	545
	23-Oct-02	NM	NM	NM	0.00	0.00	NM	NM	NM	6.36	19.80	425
	19-Feb-03	NM	NM	NM	0.08	0.01	NM	NM	NM	6.77	17.80	412
	29-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	7.07	19.40	490
	29-Jan-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.65	18.20	450
	3-Aug-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.74	20.20	436
	2-Feb-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.28	19.39	445
	6-Jul-05	NM	NM	NM	0.00	0.00	NM	<0.005	<0.005	6.90	18.99	415
	6-Jan-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.89	18.75	471
	6-Jul-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.90	17.30	560
	1-Mar-07	NM	NM	NM	0.14	0.010	NM	<0.005	<0.005	6.59	16.15	518
	23-Aug-07	NM	NM	NM	0.07	0.210	NM	<0.005	<0.005	6.58	19.71	412
	20-Feb-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.62	18.66	275
	22-Aug-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.10	21.52	463
	9-Feb-09	NM	NM	NM	0.10	0.009	NM	NM	NM	6.38	17.90	440
	11-Aug-09	NM	NM	NM	0.13	0.014	NM	NM	NM	6.30	20.47	505
	1-Feb-10	**NM**	**NM**	**NM**	**1.37**	**0.012**	**NM**	**NM**	**NM**	**6.08**	**17.73**	**469**

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
GW-4	30-Jan-01									6.60	13.48	479
	26-Jul-01				2.00	0.04				6.45	19.44	827
	19-Oct-01	NM	NM	NM	11.00	NM	NM	NM	NM	6.79	18.36	732
	31-Jan-02	NM	NM	NM	12.70	0.01	NM	NM	NM	6.50	12.00	414
	16,17-Apr-02	NM	NM	NM	6.40	0.03	NM	NM	NM	6.34	13.98	467
	17,18-Jul-02	NM	NM	NM	>3.3	0.03	NM	NM	NM	6.49	21.93	572
	23-Oct-02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	19-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.67	13.60	466
	30-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	7.30	18.70	430
	29-Jan-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.85	13.00	534
	3-Aug-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.96	22.62	509
	1-Feb-05	NM	NM	NM	3.30	0.00	NM	NM	NM	6.80	13.25	382
	6-Jul-05	NM	NM	NM	3.30	0.028	NM	<0.005	<0.005	6.98	18.71	403
	5-Jan-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.72	17.98	610
	28-Feb-07	NM	NM	NM	3.30	0.000	NM	<0.01	<0.01	6.70	12.63	369
	22-Aug-07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	20-Feb-08	NM	NM	NM	1.18	0.000	NM	NM	NM	6.54	13.42	248
	21-Aug-08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	10-Feb-09	NM	NM	NM	3.30	0.000	NM	NM	NM	6.45	17.67	487
	11-Aug-09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	1-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.019**	**NM**	**NM**	**NM**	**6.02**	**13.59**	**398**
Monitoring Wells Owned by TOSCO												
MW-11	10-Aug-00	360	110	216	0.13	<0.05	<0.04	<0.0005	<0.0005	6.47	21.00	1
MW-11 field	10-Aug-00					0.04	0.00					
	1-Nov-00	300	120	190	<0.05	<0.1	<2.0					
MW-11 field	1-Nov-00				0.01	0.00	-1.00			5.83	20.13	1
	31-Jan-01	330	130	150	<0.05	<0.1	<2.0					
MW-11 field	31-Jan-01									6.35	13.67	1
	26-Apr-01				0.01					5.67	18.00	1210
	26-Jul-01				0.00	0.02				6.02	19.85	1120
	19-Oct-01	NM	NM	NM	0.00	NM	NM	NM	NM	6.41	21.25	130
	31-Jan-02	NM	NM	NM	0.05	0.04	NM	NM	NM	6.60	18.50	1090
	16,17-Apr-02	NM	NM	NM	0.00	0.00	NM	NM	NM	5.87	18.70	1150
	17,18-Jul-02	NM	NM	NM	0.00	0.02	NM	NM	NM	6.27	18.37	1180
	23-Oct-02	NM	NM	NM	0.00	0.04	NM	NM	NM	6.62	20.81	1220
	18-Feb-03	NM	NM	NM	0.00	0.04	NM	NM	NM	6.49	19.50	1170
	30-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	6.92	19.70	941
	29-Jan-04	NM	NM	NM	0.00	1.80	NM	NM	NM	6.61	19.00	1000
	3-Aug-04	NM	NM	NM	0.00	0.00	NM	NM	NM	8.86	21.70	825
	1-Feb-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.43	20.55	856
	5-Jul-05	NM	NM	NM	0.13	0.00	NM	<0.005	<0.005	6.16	20.25	1130
	5-Jan-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.39	20.61	817
	5-Jul-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.61	19.10	1120
	28-Feb-07	NM	NM	NM	0.74	0.000	NM	<0.005	<0.005	6.71	16.34	1100
	22-Aug-07	NM	NM	NM	0.01	0.000	NM	<0.005	<0.005	5.46	19.97	865
	19-Feb-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.51	19.36	1081
	22-Aug-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.61	22.07	676
	10-Feb-09	NM	NM	NM	0.23	0.007	NM	NM	NM	6.39	21.73	1130
	12-Aug-09	NM	NM	NM	0.16	0.003	NM	NM	NM	6.00	19.91	1008
	1-Feb-10	**NM**	**NM**	**NM**	**0.15**	**0.005**	**NM**	**NM**	**NM**	**6.16**	**18.93**	**1001**

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
Monitoring Wells Installed by LFR												
LFR-1	11-Aug-00	250	110					<0.0005	<0.0005	6.97	19.73	936
LFR-1 field	09-Aug-00			51		0.02	-1.00					
	30-Oct-00	240	100	25	<0.05	<0.1	<2					
LFR-1 field/sp	30-Oct-00				0.01/0.01	0.031/0.036	0.001/0.001			6.38	17.94	697
LFR-1-spl	30-Oct-00	220	100	40	<0.05	<0.1	<2					
	29-Jan-01	150	76	28	<0.05	<0.1	<2					
LFR-1 field	29-Jan-01				0.00	0.04				6.82	15.00	870
LFR-1 Dup	29-Jan-01	150	75	26	<0.05	<0.1	<2					
	26-Apr-01				0.00					5.76	16.80	980
	26-Jul-01				0.05	0.01				6.48	19.38	772
	26-Jul-01	NM	NM	NM	0.42	NM	NM	NM	NM	6.73	20.83	661
	31-Jan-02	NM	NM	NM	0.03	0.01	NM	NM	NM	6.50	16.50	879
	16,17-Apr-02	NM	NM	NM	0.75	0.02	NM	NM	NM	5.88	16.37	1120
	17,18-Jul-02	NM	NM	NM	0.22	0.01	NM	NM	NM	6.40	17.02	832
	23-Oct-02	NM	NM	NM	0.30	0.00	NM	NM	NM	6.54	20.09	803
	18-Feb-03	NM	NM	NM	0.40	0.00	NM	NM	NM	6.47	16.90	607
	30-Jul-03	NM	NM	NM	0.02	0.00	NM	NM	NM	6.92	19.20	1330
	29-Jan-04	NM	NM	NM	0.00	5.10	NM	NM	NM	6.62	18.00	830
	4-Aug-04	NM	NM	NM	0.47	0.00	NM	NM	NM	6.39	19.01	1260
	2-Jan-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.73	17.80	744
	6-Jul-05	NM	NM	NM	0.09	0.002	NM	<0.005	<0.005	6.69	18.26	1360
	6-Jan-06	NM	NM	NM	0.03	0.000	NM	<0.005	<0.005	6.31	19.06	1260
	6-Jul-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.59	17.10	1270
	1-Mar-07	NM	NM	NM	0.45	0.000	NM	<0.005	<0.005	6.15	14.51	787
	23-Aug-07	NM	NM	NM	0.22	0.011	NM	<0.005	<0.005	5.45	19.42	642
	19-Feb-08	NM	NM	NM	0.08	0.000	NM	NM	NM	6.50	17.29	690
	22-Aug-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.50	21.13	432
	9-Feb-09	NM	NM	NM	0.00	0.000	NM	NM	NM	6.32	16.20	482
	11-Aug-09	NM	NM	NM	0.41	0.009	NM	NM	NM	6.18	18.72	652
	1-Feb-10	**NM**	**NM**	**NM**	**0.89**	**0.000**	**NM**	**NM**	**NM**	**5.95**	**17.43**	**510**
LFR-2	11-Aug-00	590	33	174				<0.0005	0.00	7.15	19.87	1088
LFR-2 field	11-Aug-00				2.95	-1.00	0.01					
	02-Nov-00	550	40	180	6.20	<0.1	<2					
LFR-2 field	02-Nov-00				7.45	0.01	0.00			6.19	19.67	1306
	30-Jan-01	480	21	130	4.60	<0.1	<2					
LFR-2 field	30-Jan-01				1.04	0.01				6.60	12.73	945
	27-Apr-01				2.97					5.64	16.40	921
	26-Jul-01				4.60	0.01				6.31	18.66	970
	18-Oct-01	NM	NM	NM	8.20	NM	NM	NM	NM	6.78	19.56	109

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
LFR-2 cont.	31-Jan-02	NM	NM	NM	1.97	0.05	NM	NM	NM	6.50	16.60	644
	16,17-Apr- 02	NM	NM	NM	7.60	0.06	NM	NM	NM	6.19	16.43	845
	17,18-Jul-02	NM	NM	NM	8.80	0.00	NM	NM	NM	6.52	16.24	986
	23-Oct-02	NM	NM	NM	3.30	0.06	NM	NM	NM	6.84	18.09	812
	18-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.50	16.90	617
	30-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	7.15	17.30	861
	29-Jan-04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	4-Aug-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.76	17.39	795
	1-Feb-05	NM	NM	NM	2.25	0.00	NM	NM	NM	6.46	17.68	559
	5-Jul-05	NM	NM	NM	3.30	0.00	NM	<0.005	<0.005	6.56	18.18	712
	5-Jan-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.58	18.23	721
	6-Jul-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.91	17.90	679
	28-Feb-07	NM	NM	NM	3.30	0.000	NM	<0.025	<0.025	6.41	16.54	782
	22-Aug-07	NM	NM	NM	3.30	0.000	NM	<0.025	<0.025	6.05	17.60	814
	20-Feb-08	NM	NM	NM	1.77	0.000	NM	NM	NM	6.58	17.52	616
	21-Aug-08	NM	NM	NM	3.30	0.092	NM	NM	NM	6.68	23.60	610
	10-Feb-09	NM	NM	NM	3.30	0.009	NM	NM	NM	6.53	17.41	980
	11-Aug-09	NM	NM	NM	3.30	0.057	NM	NM	NM	6.45	18.56	943
	1-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**NM**	**NM**	**6.12**	**17.76**	**836**
LFR-3	10-Aug-00	310	85	162	<0.1	0.15	0.04	<0.0005	<0.0005	6.57	19.92	951
LFR-3 split	10-Aug-00	300	85	152				<0.0005	<0.0005			
LFR-3 field	10-Aug-00					0.06	-1.00					
	01-Nov-00	350	66	160	<0.05	<0.1	<2					
LFR-3 field	01-Nov-00				0.01	0.01	0.00			6.16	17.71	1164
	30-Jan-01	250	31	71	<0.05	<0.1	<2					
LFR-3 field	30-Jan-01				0.03					6.64	17.29	541
	11-Jun-01				0.01					5.43	18.00	613
	26-Jul-01				0.70	0.03				6.25	20.50	602
	18-Oct-01	NM	NM	NM	0.12	NM	NM	NM	NM	6.50	21.39	645
	31-Jan-02	NM	NM	NM	0.06	0.02	NM	NM	NM	6.30	19.10	566
	16,17-Apr-02	NM	NM	NM	1.20	0.04	NM	NM	NM	5.78	18.68	566
	17,18-Jul-02	NM	NM	NM	0.08	0.01	NM	NM	NM	6.17	18.42	585
	23-Oct-02	NM	NM	NM	1.35	0.00	NM	NM	NM	6.32	20.65	457
	19-Feb-03	NM	NM	NM	0.74	0.00	NM	NM	NM	6.34	19.30	497
	30-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	6.87	19.80	457
	29-Jan-04	NM	NM	NM	1.70	0.00	NM	NM	NM	6.60	20.00	393
	3-Aug-04	NM	NM	NM	0.34	0.00	NM	NM	NM	6.24	19.96	415
	2-Feb-05	NM	NM	NM	0.12	0.00	NM	NM	NM	6.17	20.06	381
	5-Jul-05	NM	NM	NM	3.30	0.205	NM	<0.005	<0.005	6.39	20.01	463
	9-Dec-05	NM	NM	NM	NM	NM	NM	<0.005	<0.005	NM	NM	NM
	6-Jan-06	NM	NM	NM	2.16	0.001	NM	<0.005	<0.005	6.27	20.42	461
	5-Jul-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.56	20.10	640
	1-Mar-07	NM	NM	NM	1.03	0.005	NM	<0.005	<0.005	6.17	17.44	514
	22-Aug-07	NM	NM	NM	0.84	0.000	NM	<0.005	<0.005	5.45	20.36	547
	20-Feb-08	NM	NM	NM	0.20	0.000	NM	NM	NM	6.38	19.55	607
	22-Aug-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.63	21.09	406
	9-Feb-09	NM	NM	NM	0.00	0.002	NM	NM	NM	6.21	17.30	453
	11-Aug-09	NM	NM	NM	0.12	0.007	NM	NM	NM	6.11	19.66	482
	1-Feb-10	**NM**	**NM**	**NM**	**2.13**	**0.009**	**NM**	**NM**	**NM**	**5.84**	**19.57**	**554**

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
LFR-4	11-Aug-00	630	71	161				<0.0005	<0.0005	6.90	20.11	1240
LFR-4 FB	10-Aug-00							<0.0005	<0.0005			
LFR-4 field	11-Aug-00				0.22	0.02	0.00					
	31-Oct-00	490	28	130	1.00	<0.1	<2					
LFR-4 field	31-Oct-00				0.67	0.02	0.00			6.21	18.11	830
	01-Feb-01	460	25	120	1.30	<0.1	<2					
LFR-4 field	01-Feb-01				1.43	0.02				6.55	15.28	916
	27-Apr-01				1.44					5.79	18.30	1060
	26-Jul-01				0.95	0.00				6.26	19.23	866
	16,17-Apr-02	NM	NM	NM	5.10	0.03	NM	NM	NM	6.19	18.04	925
	17,18-Jul-02	NM	NM	NM	>3.3	0.01	NM	NM	NM	5.92	17.28	878
	23-Oct-02	NM	NM	NM	3.30	0.00	NM	NM	NM	6.69	19.90	602
	19-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.38	19.10	994
	29-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.94	19.00	994
	29-Jan-04	NM	NM	NM	0.71	0.00	NM	NM	NM	6.53	19.50	689
	5-Jul-05	NM	NM	NM	3.30	0.00	NM	<0.005	<0.005	6.49	19.20	772
	5-Jan-06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	5-Jul-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.75	18.90	912
	1-Mar-07	NM	NM	NM	3.30	0.000	NM	<0.01	<0.01	6.46	15.75	972
	22-Aug-07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	19-Feb-08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	21-Aug-08	NM	NM	NM	3.30	0.00	NM	NM	NM	6.13	21.38	353
	10-Feb-09	NM	NM	NM	3.30	0.00	NM	NM	NM	6.38	20.16	591
	11-Aug-09	NM	NM	NM	3.30	0.07	NM	NM	NM	6.22	17.62	536
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
Monitoring Wells Installed by SOMA												
SOMA-1	19-Oct-01	NM	NM	NM	0.75	NM	NM	NM	NM	6.77	18.15	146
	31-Jan-02	NM	NM	NM	0.00	0.00	NM	NM	NM	6.70	17.50	1160
	16,17-Apr-02	NM	NM	NM	0.17	0.03	NM	NM	NM	6.01	17.98	1280
	17,18-Jul-02	NM	NM	NM	0.11	0.01	NM	NM	NM	6.52	16.21	1270
	23-Oct-02	NM	NM	NM	0.24	0.01	NM	NM	NM	6.60	17.77	1270
	19-Feb-03	NM	NM	NM	0.00	0.01	NM	NM	NM	6.33	17.40	1350
	30-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	6.90	17.80	1300
	29-Jan-04	NM	NM	NM	2.10	0.00	NM	NM	NM	6.51	17.60	959
	3-Aug-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.42	17.89	956
	1-Feb-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.26	17.70	985
	5-Jul-05	NM	NM	NM	0.19	0.00	NM	<0.005	<0.005	6.36	19.36	1220
	5-Jan-06	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.54	18.02	926
	5-Jul-06	NM	NM	NM	0.30	0.011	NM	<0.005	<0.005	6.68	18.40	1150
	28-Feb-07	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	6.10	17.17	1140
	22-Aug-07	NM	NM	NM	0.00	0.000	NM	<0.005	<0.005	5.73	17.75	939
	20-Feb-08	NM	NM	NM	0.00	0.006	NM	NM	NM	6.53	17.93	791
	21-Aug-08	NM	NM	NM	0.00	0.000	NM	NM	NM	6.21	19.33	834
	10-Feb-09	NM	NM	NM	0.28	0.011	NM	NM	NM	6.42	19.31	779
	11-Aug-09	NM	NM	NM	0.10	0.009	NM	NM	NM	6.20	17.91	1102
	2-Feb-10	**NM**	**NM**	**NM**	**0.03**	**0.003**	**NM**	**NM**	**NM**	**5.80**	**17.64**	**1088**

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
SOMA-2	19-Oct-01	NM	NM	NM	44.00	NM	NM	NM	NM	6.87	16.93	122
	31-Jan-02	NM	NM	NM	10.50	0.34	NM	NM	NM	6.90	15.20	1140
	16,17-Apr-02	NM	NM	NM	8.70	0.01	NM	NM	NM	6.30	15.25	1170
	17,18-Jul-02	NM	NM	NM	>3.3	0.00	NM	NM	NM	6.86	14.19	1170
	23-Oct-02	NM	NM	NM	3.30	0.00	NM	NM	NM	6.97	16.47	1380
	19-Feb-03	NM	NM	NM	2.93	0.01	NM	NM	NM	6.86	15.70	1420
	29-Jul-03	NM	NM	NM	1.37	0.00	NM	NM	NM	7.91	16.80	1290
	28-Jan-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.65	16.60	835
	4-Aug-04	NM	NM	NM	0.34	0.00	NM	NM	NM	6.78	16.76	1180
	2-Feb-05	NM	NM	NM	3.30	0.00	NM	NM	NM	6.52	15.96	1310
	6-Jul-05	NM	NM	NM	3.30	0.00	NM	<0.005	<0.005	6.64	16.12	1290
	9-Jan-06	NM	NM	NM	3.30	0.001	NM	<0.005	<0.005	6.92	16.30	982
	6-Jul-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	7.08	16.00	1170
	1-Mar-07	NM	NM	NM	3.30	0.000	NM	<0.025	<0.025	7.24	10.16	1288
	23-Aug-07	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.20	15.98	764
	20-Feb-08	NM	NM	NM	3.30	0.000	NM	NM	NM	6.85	13.37	1434
	21-Aug-08	NM	NM	NM	3.30	0.000	NM	NM	NM	7.19	17.59	834
	10-Feb-09	NM	NM	NM	3.30	0.000	NM	NM	NM	6.86	19.33	912
	11-Aug-09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**NM**	**NM**	**6.13**	**18.01**	**1150**
SOMA-3	19-Oct-01	NM	NM	NM	0.40	NM	NM	NM	NM	6.91	17.09	158
	31-Jan-02	NM	NM	NM	0.78	0.38	NM	NM	NM	6.50	14.90	1320
	16,17-Apr-02	NM	NM	NM	1.03	0.00	NM	NM	NM	6.23	15.83	1260
	17,18-Jul-02	NM	NM	NM	>3.3	0.00	NM	NM	NM	6.77	15.03	1290
	23-Oct-02	NM	NM	NM	3.30	0.03	NM	NM	NM	7.02	16.44	970
	19-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.87	15.80	1350
	29-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	7.27	16.20	1200
	29-Jan-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.75	16.20	925
	4-Aug-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.79	16.43	956
	2-Feb-05	NM	NM	NM	0.15	0.00	NM	NM	NM	6.62	16.64	968
	6-Jul-05	NM	NM	NM	1.12	0.00	NM	<0.005	<0.005	6.56	16.79	935
	6-Jan-06	NM	NM	NM	0.49	0.000	NM	<0.005	<0.005	6.38	16.84	1120
	6-Jul-06	NM	NM	NM	0.53	0.000	NM	<0.005	<0.005	7.11	16.00	1020
	1-Mar-07	NM	NM	NM	0.69	0.000	NM	<0.005	<0.005	6.78	14.34	528
	23-Aug-07	NM	NM	NM	1.20	0.000	NM	<0.005	<0.005	6.45	17.13	495
	20-Feb-08	NM	NM	NM	3.21	0.158	NM	NM	NM	6.98	14.19	31
	21-Aug-08	NM	NM	NM	0.27	0.000	NM	NM	NM	6.62	19.87	341
	10-Feb-09	NM	NM	NM	0.90	0.008	NM	NM	NM	6.75	16.30	1149
	12-Aug-09	NM	NM	NM	0.75	0.028	NM	NM	NM	6.48	19.26	682
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**NM**	**NM**	**6.01**	**17.32**	**1185**
SOMA-4	Oct-19-01	NM	NM	NM	0.26	NM	NM	NM	NM	6.53	16.88	145
	23-Oct-02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	19-Feb-03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	29-Jul-03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	5-Jul-05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	5-Jan-06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	10-Feb-09	NM	NM	NM	3.10	0.003	NM	NM	NM	6.61	19.42	1071

Table 3

Historical Analytical Results and Field Measurements for

Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples

Former Glovatorium Site

3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Alkalinity (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Total Iron (mg/L)	Nitrite (mg/L)	Sulfide (mg/L)	Ethane (mg/L)	Ethene (mg/L)	pH	Temp (°C)	Electrical Conductivity (µS/cm)
SOMA-4R	12-Aug-09	NM	NM	NM	2.93	0.008	NM	NM	NM	6.25	17.86	1023
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**NM**	**NM**	**6.04**	**18.61**	**1573**
SOMA-5	4-Aug-04	NM	NM	NM	3.30	0.00	NM	NM	NM	7.14	16.98	773
	2-Feb-05	NM	NM	NM	3.30	0.00	NM	NM	NM	7.20	15.99	549
	6-Jul-05	NM	NM	NM	3.30	0.00	NM	<0.005	<0.005	6.75	16.99	1150
	9-Jan-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	6.78	16.72	1200
	6-Jul-06	NM	NM	NM	3.30	0.000	NM	<0.005	<0.005	7.81	16.30	454
	1-Mar-07	NM	NM	NM	NM	NM	NM	<0.025	<0.025	NM	NM	NM
	23-Aug-07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	20-Feb-08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	21-Aug-08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	10-Feb-09	NM	NM	NM	3.30	0.000	NM	NM	NM	7.07	15.80	538
	12-Aug-09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
MPE-1	12-Aug-09	NM	NM	NM	NM	NM	NM	NM	NM	6.60	16.89	557
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**NM**	**NM**	**5.94**	**16.73**	**672**
MPE-2	12-Aug-09	NM	NM	NM	NM	NM	NM	NM	NM	6.46	18.23	1043
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
MPE-3	12-Aug-09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
MPE-4	12-Aug-09	NM	NM	NM	1.87	0.004	NM	NM	NM	6.39	19.06	839
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**NM**	**NM**	**6.33**	**16.74**	**1279**
MPE-5	12-Aug-09	NM	NM	NM	2.85	0.00	NM	NM	NM	6.41	17.11	1077
	2-Feb-10	**NM**	**NM**	**NM**	**3.30**	**0.00**	**NM**	**NM**	**NM**	**6.16**	**16.46**	**1078**

Notes

Samples with "field" in the well ID indicate that the results are from field measurements obtained using a Hach spectrometer or a Hydrolab Quanta flow-through instrument.

since April 2001, field measurements have been performed using a Hach Calorimeter

NM= not measured

MPE-1 through MPE-5 were installed May 2009

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE in Groundwater Samples
Former Glovatorium Site
3820 Manila Avenue, 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)
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-8R	12-Aug-09	22	39 Y	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	2-Feb-10	**8.2**	**13 Y**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**
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-10R	12-Aug-09	50	88 Y	0.067	<0.013	<0.013	<0.013	<0.013
	2-Feb-10	**9.3**	**15 Y**	**<0.0063**	**<0.0063**	**<0.0063**	**<0.0063**	**<0.0063**
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 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE in Groundwater Samples
Former Glovatorium Site
3820 Manila Avenue, 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)
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
	11-Aug-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**<0.05**	**<0.05**	**<0.0005**	**0.0046**	**<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
	11-Aug-09	0.075 [Y]	0.085 [YZ]	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**<0.05**	**<0.05**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE in Groundwater Samples
Former Glovatorium Site
3820 Manila Avenue, 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)
GW-4	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
Split	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
	11-Aug-09	NA	NA	NA	NA	NA	NA	NA
	1-Feb-10	**0.25**	**0.42 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	27-Aug-99	<0.05	0.054 Y	0.0089	<0.0005	<0.0005	<0.0005	<0.0005
Split	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	15-Jul-99	NA	NA	<0.0025	0.05 J	<0.0005	0.000727	0.00313 J
Split	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
Split	15-Jul-99	NA	NA	NA	0.0755 J	<0.002	<0.002	<0.002
GW-8	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
Split	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 4
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3820 Manila Avenue, 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)
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
	12-Aug-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**<0.05**	**<0.05**	**<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 [Y Z]	0.14 [Y Z]	<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
	11-Aug-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**<0.05**	**0.051 [Y]**	**<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-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
	11-Aug-09	38	68 [Y]	<0.0008	0.0010	<0.0008	<0.0008	<0.0008
	1-Feb-10	**100**	**160 [Y]**	**<0.0005**	**0.0005**	**<0.0005**	**<0.0005**	**<0.0005**
LFR-3	10-Aug-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Split	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
	11-Aug-09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**<0.05**	**<0.05**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE in Groundwater Samples
Former Glovatorium Site
3820 Manila Avenue, 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)
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
	11-Aug-09	0.27 [Y]	0.48 [Y]	0.0009	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
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
	11-Aug-09	<0.05	0.053 [Y]	0.430	<0.0025	<0.0025	<0.0025	<0.0025
	2-Feb-10	**<0.05**	**0.051 [Y]**	**0.360**	**<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 [H Y]	<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

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE in Groundwater Samples
Former Glovatorium Site
3820 Manila Avenue, 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)
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
	11-Aug-09	FP	FP	FP	FP	FP	FP	FP
	2-Feb-10	**430**	**700 Y**	**<0.013**	**<0.013**	**<0.013**	**<0.013**	**<0.013**
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 H Y	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
	12-Aug-09	0.076 Y	0.13 Y	0.430	<0.0036	<0.0036	<0.0036	<0.0036
	2-Feb-10	**0.27**	**0.44 Y**	**0.110**	**<0.0083**	**<0.0083**	**<0.0083**	**<0.0083**
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-4R	12-Aug-09	37	65 Y	0.08	<0.001	<0.001	<0.001	0.0019
	2-Feb-10	**21**	**34 Y**	**0.008**	**<0.002**	**0.0031**	**<0.002**	**0.0065**

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE in Groundwater Samples
Former Glovatorium Site
3820 Manila Avenue, 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)
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
	11-Aug-09	NA	NA	NA	NA	NA	NA	NA
	1-Feb-10	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
MPE-1	12-Aug-09	28	49 Y	0.26	<0.0005	0.0011	<0.0005	0.0029
	2-Feb-10	**<5**	**<5**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**
MPE-2	12-Aug-09	380	200 Y	0.015	0.0016	0.0053	0.0013	0.0204
	1-Feb-10	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MPE-3	11-Aug-09	FP	FP	FP	FP	FP	FP	FP
	1-Feb-10	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MPE-4	12-Aug-09	71	130 Y	0.0043	0.0006	<0.0005	<0.0005	0.0036
	2-Feb-10	**1.3**	**2.2 Y**	**0.0021**	**0.0009**	**<0.0005**	**0.0006**	**0.0026**
MPE-5	12-Aug-09	1.1 Y	1.9 Y	0.0032	<0.001	<0.001	<0.001	<0.001
	2-Feb-10	**29**	**47 Y**	**0.0021**	**0.001**	**<0.001**	**<0.001**	**<0.001**

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.

During First and Second Semi-annual 2009 events SOMA-5 had insufficient groundwater for sampling

During Second Semi-annual 2009 event GW-4 had insufficient groundwater for sampling

Y Sample exhibits fuel pattern which does not resemble standard.

Z Sample exhibits unknown single peak or peaks.

FP: Not Analyzed due to Free Product

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.

MPE-1 through MPE-5 were installed May 2009

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, 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-8R	12-Aug-09	<0.0005	<0.0005	0.027	<0.0005	<0.0005	<0.0005
	2-Feb-10	**0.0012**	**<0.0005**	**0.016**	**<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-10R	12-Aug-09	0.260	0.120	1.8	<0.013	<0.013	<0.013
	2-Feb-10	**0.130**	**0.100**	**2.0**	**0.0077**	**<0.0063**	**<0.0063**
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
	31-Jan-02	0.0092 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0100 [b]	<0.0050 [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
	11-Aug-09	0.030	0.0031	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**0.042**	**0.0046**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, 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	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
Split	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
	11-Aug-09	0.230	0.0058	0.0013	<0.0005	<0.0005	<0.0005
	1-Feb-10	**0.100**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**
GW-4	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
Split	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
	11-Aug-09	NA	NA	NA	NA	NA	NA
	1-Feb-10	**0.0007**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**0.0006**

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, 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	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Split	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
	27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
GW-7	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
Split	15-Jul-99	< 0.0020	< 0.0020	0.004	< 0.0020	< 0.0020	< 0.0020
GW-8	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
	12-Aug-09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, 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	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
Split	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
	11-Aug-09	0.082	0.039	0.011	0.0028	<0.0005	<0.0005
	1-Feb-10	**0.110**	**0.032**	**0.0048**	**0.0011**	**<0.0005**	**<0.0005**
LFR-2	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
split	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
	11-Aug-09	<0.0008	<0.0008	0.12	<0.0008	0.013	<0.0008
	1-Feb-10	**<0.0005**	**<0.0005**	**0.027**	**<0.0005**	**0.0057**	**<0.0005**

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, 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	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Split	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
	11-Aug-09	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**0.0012**	**<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
	11-Aug-09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	1-Feb-10	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Table 5
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at the Former Glovatorium Site
3820 Manila Avenue, 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
	12-Aug-09	0.059	0.0063	0.220	<0.0025	<0.0025	<0.0025
	2-Feb-10	**0.046**	**0.0052**	**0.180**	**<0.0025**	**<0.0025**	**<0.0025**
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
	11-Aug-09	FP	FP	FP	FP	FP	FP
	2-Feb-10	**<0.013**	**<0.013**	**1.90**	**0.018**	**<0.013**	**<0.013**
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
	12-Aug-09	0.0078	0.0036	0.170	<0.0036	<0.0036	<0.0036
	2-Feb-10	**<0.0083**	**<0.0083**	**1.50**	**<0.0083**	**<0.0083**	**<0.0083**

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, 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-4R	12-Aug-09	0.0015	<0.001	0.099	<0.001	<0.001	0.0015
	2-Feb-10	**<0.002**	**<0.002**	**0.36000**	**0.00350**	**<0.002**	**<0.002**
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
	11-Aug-09	NA	NA	NA	NA	NA	NA
	1-Feb-10	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
MPE-1	12-Aug-09	0.0039	0.012	0.880	0.0053	<0.0005	<0.0005
	2-Feb-10	**0.0240**	**0.052**	**0.330**	**0.0062**	**<0.0002**	**<0.0002**
MPE-2	12-Aug-09	<0.0013	<0.0013	0.150	0.0013	<0.0013	0.0016
	1-Feb-10	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MPE-3	11-Aug-09	FP	FP	FP	FP	FP	FP
	1-Feb-10	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MPE-4	12-Aug-09	<0.0005	<0.0005	0.083	0.0021	<0.0005	<0.0005
	2-Feb-10	**0.0006**	**0.0016**	**0.0920**	**0.0032**	**<0.0005**	**<0.0005**
MPE-5	12-Aug-09	<0.001	<0.001	0.140	0.0045	<0.001	<0.001
	2-Feb-10	**<0.001**	**0.0021**	**0.1600**	**0.0062**	**<0.001**	**<0.001**

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.
During First and Second Semi-annual 2009 events SOMA-5 had insufficient groundwater for sampling
During Second Semi-annual 2009 event GW-4 had insufficient groundwater for sampling
MPE-1 through MPE-5 were installed May 2009

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
B-7	11-Aug-00						11.0	193	
B-7-field	11-Aug-00	0.63		-1.0	3.0				
	31-Oct-00	0.62	2.6	< 0.10	< 1.0	11.00	2.4		-3
B-7-field	31-Oct-00	0.25		0.4	-1.0	15.85		-63	
	1-Feb-01	0.78	2.2	0.8	<1.0	15.00	13.0		
B-7-field	31-Jan-01	0.48						28	
B-7 Field	26-Apr-01	0.60	1.7	2.5	5.0	>3.3	7.6	-28	
B-7 Field	26-Jul-01	1.98	7.3	0.0	8.0	11.60	7.0	-40	
B-8 field	31-Jan-01	0.45						58	
B-8R	12-Aug-09	0.17	15.3	0.0	0.0	0.00	5.4	-41.4	
	2-Feb-10	**0.37**	**10.2**	**6.5**	**12.0**	**3.30**	**4.6**	**-21.2**	
B-10	10-Aug-00			< 0.05	< 0.05	5.70	10.0	213	
B-10-field	10-Aug-00	0.44		-1.0	-2.0				
	31-Oct-00	2.40	1.4	< 0.10	< 1.0	5.90	6.7		0.81
B-10-field	31-Oct-00	0.44		0.0	0.0	7.60		-22	
	31-Jan-01	6.40	1.3	< 0.10	<2.0	7.70	24.0		1.3
B-10-field	31-Jan-01	0.46						64	
B-10 Field	11-Jun-01	0.90	0.0	0	0	1.25	3.9	-8	NM
B-10 Field	26-Jun-01	1.87	1.3	0	3	6.20	5.6	-22	
	6-Jul-05	9.53	41.1	35	80	3.30	2.2	12	
	9-Jan-06	3.39	13.6	0	0	3.30	10.0	10	
	6-Jul-06	10.62	0.0	0	0	3.30	11	-104	
	1-Mar-07	10.53	1.8	0	0	3.30	0.25	-76.3	
	23-Aug-07	NM	NM	NM	NM	NM	NM	NM	
	20-Feb-08	NM	0.70	7.20	11.00	3.30	6.30	NM	
	25-Mar-08	NM	NM	NM	NM	NM	7.40	NM	
	21-Aug-08	0.25	12.40	12.10	16.00	3.30	2.90	-60.20	
	10-Feb-09	0.18	10.50	5.70	80.00	2.68	2.00	-65.70	
B-10R	12-Aug-09	0.19	47.00	12.30	80.00	3.12	1.00	-102.80	
	2-Feb-10	**0.29**	**3.40**	**0.00**	**80.00**	**3.30**	**2.10**	**-49.60**	
GW-2-field	1-Nov-00	2.32						77	
GW-2	1-Feb-01	3.80					0.0410		
GW-2-field	1-Feb-01	0.58						159	
	26-Apr-01	4.00	1.0	7.1	36	0.02	0.0002	152	NM
	26-Jul-01	1.93	0.0	3.9	60	0.00	0.0160	233	
GW-2 field	Not En. Sample						0.0009		
	31-Jan-02	2.80	0.0	0.8	45	0.36	0.0069	179	NM
	16,17-Apr-02	1.76	0.0	4.7	70	0.09	0.0003	198	
	17,18-Jul-02	1.39	0.6	0.0	69	0.00	0.0021	161	
	22,23-Oct-02	3.86	0.6	11.5	40	0.07	0.0007	166	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
GW-2	19-Feb-03	7.24	0.1	10.3	49	0.03	0.0012	169	
	29-Jul-03	4.21	0.2	0.0	44	0.00	0.0007	47	
	28-Jan-04	6.02	0.0	3.3	56	0.00	0.00046	143	
	4-Aug-04	8.27	0.0	0.0	27	0.00	0.00035	115	
	2-Feb-05	8.41	0.0	0.0	40	0.00	<0.0050	76	
	6-Jul-05	10.90	0.0	5.3	51	0.00	<0.005	90	
	6-Jan-06	8.11	2.4	0.0	44	0.00	<0.005	86	
	6-Jul-06	9.71	0.3	0.0	53	0.00	<0.005	86	
	28-Feb-07	6.51	1.5	14.4	48	0.12	<0.005	33.5	
	22-Aug-07	NM	NM	NM	NM	NM	NM	NM	
	20-Feb-08	NM	NM	NM	NM	NM	NM	NM	
	22-Aug-08	0.12	0.00	0.00	29.00	0.00	<0.005	114.80	
	9-Feb-09	0.14	1.30	3.40	66.00	0.11	<0.005	10.40	
	11-Aug-09	1.03	1.10	6.80	69.00	0.00	<0.005	30.20	
	1-Feb-10	**1.08**	**0.80**	**0.40**	**41.00**	**0.00**	**<0.005**	**122.40**	
GW-3	11-Aug-00						< 0.0005	395	
GW-3-field	11-Aug-00	0.72		1.0	46				
GW-3-field	1-Nov-00	7.76						81	
	29-Jan-01	8.80					0.0120		
GW-3-field	1-Feb-01	8.99						235	
	27-Apr-01	2.90	0.0	0.7	30	0.00	0.0150	212	NM
	26-Jul-01	2.48	0.0	2.4	52	0.12	0.0083	214	
GW-3 field	18-Oct-01	3.76	0.0	5.2	4.9	0.00	0.0041	131	NM
	31-Jan-02	3.70	0.2	1.3	52	0.00	0.0081	163	
	16,17-Apr-02	7.55	0.0	4.2	59	0.00	0.0006	133	
	17,18-Jul-02	3.50	0.0	0.0	47	0.22	0.0100	155	
	22,23-Oct-02	2.19	0.0	1.6	33	0.00	0.0007	178	
	19-Feb-03	5.28	0.4	4.0	43	0.02	0.0007	123	
	29-Jul-03	6.12	0.0	0.0	31	0.00	0.0005	96	
	28-Jan-04	4.21	0.0	0.8	61	0.00	0.00042	141	
	3-Aug-04	10.20	0.0	0.0	41	0.00	0.00028	84	
	2-Feb-05	3.97	0.5	0.0	12	0.00	<0.0050	84	
	6-Jul-05	7.96	2.9	0.5	52	0.00	<0.005	67	
	6-Jan-06	5.22	0.0	0.0	4	0.00	<0.005	61	
	6-Jul-06	5.69	3.1	0.0	31	0.00	<0.005	63	
	1-Mar-07	7.27	0.6	4.3	15	0.00	<0.005	50.4	
	23-Aug-07	4.79	1.9	7.8	33	0.17	<0.005	178.3	
	20-Feb-08	0.22	0.0	35.0	0	0.00	<0.0065	71.1	
	22-Aug-08	0.12	0.3	0.0	4	0.00	<0.005	135.5	
	9-Feb-09	0.13	1.4	2.8	36	0.02	<0.005	-6.1	
	11-Aug-09	0.50	0.0	1.3	34	0.02	<0.005	17.5	
	1-Feb-10	**0.99**	**1.3**	**0.3**	**26**	**0.24**	**<0.005**	**126.5**	
GW-4-field	30-Jan-01	0.83						67	
GW-4-field	26-Jul-01	2.59	0.2	10.5	25	1.29	0.0028	-3	
GW-4-field	18-Oct-01	1.00	0.1	0.0	0	4.80	4.80	-84	NM
GW-4	31-Jan-02	0.90	0.8	0.0	0	8.00	3.50	-91	
	16,17-Apr-02	0.41	0.1	5.2	0	5.70	4.70	-2	
	17,18-Jul-02	2.38	3.0	0.0	0	>3.3	4.60	-68	
	22,23-Oct-02	NM	NM	NM	NM	NM	0.30	NM	
	19-Feb-03	7.76	0.4	5.4	0	3.30	2.30	-57	
	30-Jul-03	5.38	6.1	0.0	0	3.30	1.30	-141	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
GW-4	28-Jan-04	2.17	5.9	0.0	0	3.30	0.22	-73	
	3-Aug-04	10.35	0.9	0.0	0	3.30	3.20	-113	
	1-Feb-05	2.97	0.8	0.0	0	1.53	1.20	93	
	6-Jul-05	9.17	1.9	9.8	20	1.07	0.84	128	
	5-Jan-06	7.62	3.4	0.0	0	3.30	3.40	110	
	28-Feb-07	5.26	1.1	0.0	0	3.30	3.90	-119.5	
	22-Aug-07	NM	NM	NM	NM	NM	NM	NM	
	20-Feb-08	0.23	0.60	0.00	0.00	3.30	2.50	-108.70	
	21-Aug-08	NM	NM	NM	NM	NM	NM	NM	
	10-Feb-09	0.13	8.00	2.30	8.00	3.30	2.40	-19.40	
	11-Aug-09	NM	NM	NM	NM	NM	NM	NM	
	1-Feb-10	**0.97**	**5.80**	**1.80**	**24.00**	**3.30**	**1.40**	**-21.00**	
MW-11	10-Aug-00			2.8	63	< 0.1	< 0.0005	476	
MW-11-field	10-Aug-00	2.52		4.1	67				
	1-Nov-00	4.10	< 0.010	15.0	90	< 0.1	0.0000		130
MW-11-field	1-Nov-00	4.01		3.3	73	0.00		87	
MW-11-field	1-Nov-00	3.97		27.3	74	0.00		319	
	31-Jan-01	6.30	< 0.010	15.0	94	< 1.0	0.0001		1.1
MW-11 Field	26-Apr-01	7.40	0.0	6.8	52	0.00	0.0014	229	NM
MW-11 Field	26-Jul-01	1.85	0.0	5.2	77	0.00	0.0049	233	
MW-11 Field	18-Oct-01	5.58	0.0	10.1	NM	0.00	0.0066	155	NM
	31-Jan-02	4.90	0.0	2.8	79	0.00	0.0077	218	
	16,17-Apr-02	3.18	0.0	2.8	88	0.00	0.0092	242	
	17,18-Jul-02	2.82	0.0	4.1	79	0.00	0.0088	357	
	22,23-Oct-02	4.47	0.0	3.7	69	0.00	0.0025	118	
	18-Feb-03	5.65	0.6	2.3	73	0.00	0.0022	304	
	30-Jul-03	3.80	0.1	0.0	54	0.00	0.0010	224	
	28-Jan-04	7.32	0.0	0.0	80	0.00	0.0200	130	
	3-Aug-04	10.40	0.0	0.0	77	0.00	0.0028	185	
	1-Feb-05	6.99	1.7	0.0	52	0.00	<0.0050	91	
	5-Jul-05	10.38	1.2	0.0	80	0.00	<0.005	125	
	5-Jan-06	6.21	0.0	0.0	65	0.00	<0.005	166	
	5-Jul-06	8.35	5.9	0.0	80	0.00	<0.005	35	
	28-Feb-07	6.68	0.4	0.0	41	0.63	<0.005	12.9	
	22-Aug-07	3.07	3.5	0.0	54	0.00	<0.005	237	
	19-Feb-08	0.23	0.8	0.0	27	0.00	<0.0065	48	
	22-Aug-08	0.10	1.9	0.0	35	0.00	<0.005	67.60	
	10-Feb-09	0.25	0.6	0.0	50	0.02	<0.005	34.40	
	12-Aug-09	1.39	0.6	1.6	52	0.06	<0.005	2.30	
	1-Feb-10	**1.29**	**0.0**	**0.2**	**80**	**0.03**	**<0.005**	**104.80**	
LFR-1	9-Aug-00							462	
	11-Aug-00						0.0096		
LFR-1-field	9-Aug-00	3.63		5.5	30				1.5
	30-Oct-00	2.70	0.0	39.0	42	< 1.0	0.0004		
LFR-1-field/split	30-Oct-00	2.95		10.3/10.0	29/29	0.01/0.01		77	1
LFR-1 split	30-Oct-00	3.40	0.0	40.0	43.0	< 1.0	0.0007		
	29-Jan-01	5.10	<0.01	<0.10	51	<1.0	0.0001		0.43
LFR-1-field	29-Jan-01	3.78	0.0		36	0.00		383	
LFR-1 Dup	29-Jan-01	4.60	<0.01	<0.10	50	<1.0	0.0000		0.32
	26-Apr-01	3.20	0.0	12.9	16	0.00	0.0003	224	NM
	26-Jul-01	1.07	0.0	8.0	25	0.01	0.0084	238	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
LFR-1 field	18-Oct-01	1.03	0.0	6.9	24	0.18	0.0054	119	NM
LFR-1	31-Jan-02	1.80	0.3	5.5	31	0.00	0.0062	163	
	16,17-Apr-02	1.68	0.3	1.5	38	0.39	0.0030	240	
	17,18-Jul-02	0.00	0.0	6.1	3	0.07	0.0047	209	
	22,23-Oct-02	0.00	0.4	0.0	23	0.15	0.0008	265	
	18-Feb-03	7.76	0.0	4.3	30	0.00	0.0008	260	
	30-Jul-03	0.58	0.3	0.0	10	0.00	0.0004	190	
	29-Jan-04	3.12	0.5	0.0	57	0.00	0.0011	19	
	4-Aug-04	6.26	5.8	0.0	17	0.00	0.0010	62	
	2-Feb-05	5.24	0.0	0.0	1	0.00	0.0120	93	
	6-Jul-05	8.53	0.2	2.5	40	0.00	<0.005	110	
	6-Jan-06	5.43	3.9	0.0	5	0.00	0.025	161	
	6-Jul-06	9.93	0.4	0.0	6	0.00	<0.005	99	
	1-Mar-07	5.00	5.2	4.5	42	0.04	<0.005	62.9	
	23-Aug-07	0.88	2.7	4.7	23	0.15	<0.005	215	
	19-Feb-08	0.20	0.0	0.0	11	0.00	<0.0065	43.9	
	22-Aug-08	0.14	6.7	0.0	0	0.00	0.0059	119.2	
	9-Feb-09	0.14	4.9	0.0	23	0.00	<0.005	12.2	
	11-Aug-09	0.14	5.6	2.4	23	0.00	<0.005	15.3	
	1-Feb-10	**0.48**	**0.8**	**0.6**	**31**	**0.41**	**<0.005**	**124.5**	
LFR-2	11-Aug-00						6.60	270	
LFR-2-field	11-Aug-00	0.48		1.5	-1.0	2.70			1200
	2-Nov-00	2.20	8.8	0.3	5.4	5.30	8.50		
LFR-2-field	2-Nov-00	0.47		0.5	-1.0	6.05		-24	
	30-Jan-01	4.40	8.9	1.0	8.3	4.60	4.60		1.1
LFR-2-field	30-Jan-01	0.61	10.7	2.9		1.02		210	
	27-Apr-01	1.40	0.4	1.6	1.0	2.66	14.00	9	NM
	26-Jul-01	0.55	0.2	0.0	0.0	4.50	10.00	-20	
LFR-2 field	18-Oct-01	0.43	0.0	0.0	0.0	6.50	11.00	-75	NM
	31-Jan-02	1.00	0.0	2.6	19.0	1.81	11.00	-14	
	16,17-Apr-02	0.00	0.0	1.7	0.0	7.20	16.00	-6	
	17,18-Jul-02	0.00	13.9	0.0	0.0	7.20	9.60	-64	
	22,23-Oct-02	0.00	10.7	0.5	0.0	3.30	4.70	-82	
	18-Feb-03	0.42	9.0	0.0	0.0	3.30	9.60	-53	
	30-Jul-03	0.00	3.0	0.0	0.0	3.30	8.70	-85	
	4-Aug-04	4.78	1.6	0.0	0.0	3.30	6.20	-93	
	1-Feb-05	1.77	12.1	0.0	0.0	1.79	11.00	69	
	5-Jul-05	4.21	18.2	0.0	0.0	3.30	11.00	-60	
	5-Jan-06	3.53	3.8	0.0	3.0	3.30	14.00	-29	
	5-Jul-06	7.70	4.3	0.0	0.0	3.30	10.00	-136	
	28-Feb-07	3.03	4.2	0.0	0.0	3.30	11.00	-89.9	
	22-Aug-07	0.11	22.7	0.0	0.0	3.30	6.60	-24.0	
	20-Feb-08	0.20	0.0	0.0	0.0	0.76	4.70	-69.5	
	21-Aug-08	0.13	21.4	0.0	0.0	3.30	5.80	-66.1	
	10-Feb-09	0.16	24.0	0.2	0.0	3.30	3.70	-62.2	
	11-Aug-09	0.16	35.5	3.6	7.0	2.88	3.10	-138.1	
	1-Feb-10	**0.37**	**21.4**	**0.0**	**0.0**	**3.30**	**7.70**	**-18.9**	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
LFR-3	10-Aug-00			2.4	64	< 0.1	0.0005	464	
LFR-3 split	10-Aug-00							< 0.0005	
LFR-3-field	10-Aug-00	1.30		2.4	64				850
	1-Nov-00	4.70	0.0	8.8	74	< 1.0	0.0003		
LFR-3-field	1-Nov-00	0.58		1.8	57	0.00		75	
	31-Jan-01	4.10	<0.01	1.2	58	< 1.0	0.0004		
LFR-3-field	30-Jan-01	1.75		0.0	44	0.00		195	
LFR-3 Field	11-Jun-01	1.00	0.0	0.8	28	0.00	0.0086	201	NM
LFR-3 Field	26-Jul-01	1.29	0.4	0.0	51	0.60	0.0035	228	
LFR-3 Field	18-Oct-01	0.54	0.0	0.8	30	0.11	0.0093	139	NM
	31-Jan-02	0.80	0.4	2.6	32	0.00	0.0072	212	
	16,17-Apr-02	0.19	0.4	0.0	55	0.79	0.0096	228	
	17,18-Jul-02	0.00	0.2	1.7	42	0.00	0.0068	166	
	22,23-Oct-02	0.11	0.5	0.0	36	0.00	0.0035	186	
	19-Feb-03	1.10	0.5	0.0	19	0.54	0.0069	217	
	30-Jul-03	0.17	0.1	0.0	21	0.00	0.0069	167	
	29-Jan-04	1.39	0.0	0.0	0	3.30	0.0011	64	
	3-Aug-04	5.14	3.9	0.0	8	0.00	0.0054	175	
	2-Feb-05	2.74	0.0	0.0	0	0.00	<0.005	94	
	5-Jul-05	7.59	0.5	35.0	80	3.29	<0.005	85	
	6-Jan-06	3.52	1.8	0.0	23	0.67	<0.005	151	
	5-Jul-06	5.47	1.1	0.0	40	0.00	<0.005	56	
	1-Mar-07	3.78	1.6	5.3	12	0.72	<0.005	42.7	
	22-Aug-07	1.70	4.0	0.0	9	0.44	<0.005	192	
	20-Feb-08	0.22	6.2	0.0	0	0.00	<0.0065	58.9	
	22-Aug-08	0.14	1.5	0.0	0	0.00	<0.005	140.4	
	9-Feb-09	0.13	0.0	2.3	44	0.00	<0.005	-41.0	
	11-Aug-09	0.12	4.6	0.0	32	0.00	<0.005	-27.6	
	1-Feb-10	**0.32**	**1.3**	**1.3**	**44**	**0.37**	**<0.005**	**101.8**	
LFR-4	11-Aug-00						0.06	402	
LFR-4-field	11-Aug-00	1.13		0.7	1	0.14			1.1
	31-Oct-00	1.90	2.2	< 0.10	2.9	1.10	3.20		
LFR-4-field	31-Oct-00	0.64		1.0		0.61		-80	
	1-Feb-01	3.20	2.8	1.5	2.8	1.80	2.20		1.5
LFR-4-field	1-Feb-01	0.55	4.5	8.0	0.0	1.50		59	
LFR-4 Field	27-Apr-01	5.60	0.0	1.7	0.0	1.37	7.00	14	NM
LFR-4 Field	26-Jul-01	1.65	0.0	0.0	0.0	0.84	1.20	18	
	16,17-Apr-02	0.00	1.0	2.6	6.0	4.80	12.00	-4	
	17,18-Jul-02	0.79	6.8	0.0	0.0	>3.3	2.80	3	
	22,23-Oct-02	0.00	4.0	0.0	0.0	2.55	1.30	-63	
	19-Feb-03	0.50	6.8	0.0	18	3.30	4.40	-41	
	30-Jul-03	0.28	5.1	0.0	0.0	3.30	3.90	-49	
	29-Jan-04	1.64	5.0	0.0	0.0	0.52	4.00	1	
	4-Aug-04	NM	NM	NM	NM	NM	NM	NM	
	5-Jul-05	5.22	2.8	0.0	0.0	3.30	5.40	61	
	5-Jul-06	9.70	5.9	0.0	0.0	3.30	9.20	-98	
	1-Mar-07	3.97	1.7	0.0	0.0	3.30	3.00	-50	
	22-Aug-07	NM	NM	NM	NM	NM	NM	NM	
	19-Feb-08	NM	NM	NM	NM	NM	NM	NM	
	21-Aug-08	0.14	4.40	0.00	0.00	3.20	6.20	-0.70	
	10-Feb-09	0.18	28.10	0.00	0.00	2.18	4.40	-30.60	
	11-Aug-09	0.44	10.10	0.00	0.00	2.65	1.80	-29.70	
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
SOMA-1	18-Oct-01	4.19	0.3	0.2	33	0.52	0.12	151	NM
	31-Jan-02	0.40	0.0	0.0	18	0.00	0.58	141	NM
	16,17-Apr-02	0.00	0.0	0.6	31	0.10	0.82	213	
	17,18-Jul-02	0.00	0.0	1.8	28	0.05	0.44	149	
	22,23-Oct-02	0.00	0.7	0.0	4	0.00	0.68	131	
	18-Feb-03	5.12	0.4	0.0	1	0.00	0.41	258	
	30-Jul-03	0.00	0.4	0.0	1	0.00	0.99	74	
	29-Jan-04	0.29	0.5	0.0	13	0.47	0.85	133	
	3-Aug-04	4.44	0.0	0.0	25	0.00	0.50	152	
	1-Feb-05	1.57	0.1	0.0	0.0	0.00	0.83	137	
	5-Jul-05	7.58	0.5	0.0	16	0.21	1.50	72	
	5-Jan-06	5.82	0.0	0.0	6	0.00	0.60	156	
	5-Jul-06	6.79	1.8	0.0	13	0.00	1.10	66	
	28-Feb-07	2.13	10.1	0.0	12	0.00	2.50	37.3	
	22-Aug-07	0.14	3.3	0.0	9	0.39	0.79	177.0	
	20-Feb-08	0.22	0.2	0.0	0	0.00	0.65	57.1	
	21-Aug-08	0.12	0.1	0.0	0	0.00	0.67	202.7	
	10-Feb-09	0.15	8.0	0.6	22	0.20	1.20	22.7	
	11-Aug-09	0.20	23.0	0.0	10	0.06	0.86	-20.8	
	2-Feb-10	**0.63**	**3.0**	**0.6**	**20**	**0.00**	**0.79**	**78.9**	
SOMA-2	18-Oct-01	0.57	0.0	0.4	0.0	40.00	6.60	-89	NM
	31-Jan-02	0.70	3.8	0.8	0.0	9.00	13.00	103	NM
	16,17-Apr-02	0.00	0.5	0.1	0.0	7.40	14.00	-69	
	17,18-Jul-02	0.00	5.7	0.0	0.0	>3.3	9.40	-87	
	22,23-Oct-02	0.35	1.7	2.8	15	3.30	2.20	-98	
	19-Feb-03	3.17	1.9	1.7	0.0	2.89	2.40	-72	
	30-Jul-03	2.71	1.0	0.0	0.0	0.83	1.00	-53	
	28-Jan-04	4.52	0.2	0.0	0.0	1.46	1.70	-8	
	4-Aug-04	7.06	0.4	0.0	0.0	0.31	1.40	-33	
	2-Feb-05	1.17	8.4	0.0	0.0	3.30	13.00	-95	
	6-Jul-05	5.67	1.1	0.0	0.0	3.30	11.00	-66	
	9-Jan-06	3.01	15.7	5.6	0.0	3.30	15.00	-60	
	6-Jul-06	8.92	7.4	0.0	0.0	3.30	14.00	-85	
	1-Mar-07	6.42	8.7	0.0	0.0	3.30	12.00	-137	
	23-Aug-07	0.43	0.0	0.0	0.0	2.87	8.60	-31.6	
	20-Feb-08	0.25	2.9	0.0	0.0	3.30	11.00	-79.6	
	25-Mar-08	NM	NM	NM	NM	NM	9.10	NM	
	21-Aug-08	0.26	3.10	0.00	0.00	3.30	7.50	-65.40	
	10-Feb-09	0.18	30.30	0.00	80.00	3.30	2.50	-100.60	
	11-Aug-09	NM	NM	NM	NM	NM	NM	NM	
	2-Feb-10	**0.63**	**9.60**	**6.00**	**0.00**	**3.30**	**1.40**	**-45.40**	
SOMA-3	18-Oct-01	1.32	0.0	0.0	33	0.22	1.00	2	NM
	31-Jan-02	1.00	22.0	2.0	54	0.62	0.46	-71	NM
	16,17-Apr-02	2.60	0.0	0.6	42	0.77	0.41	29	
	17,18-Jul-02	0.97	10.9	0.0	23	>3.3	0.94	-51	
	22,23-Oct-02	0.30	2.7	0.1	7	3.26	4.20	-98	
	19-Feb-03	0.18	0.0	0.0	0.0	3.30	9.00	-88	
	30-Jul-03	0.00	2.0	0.0	0.0	3.30	8.70	-106	
	29-Jan-04	2.30	3.5	0.0	0.0	3.30	8.40	-85	
	4-Aug-04	5.35	0.0	0.0	0.0	3.30	6.50	-105	
	2-Feb-05	3.66	0.3	0.0	0.0	0.00	2.70	-73	
	6-Jul-05	9.65	0.7	0.0	0.0	0.77	2.50	84	
	6-Jan-06	2.20	2.9	0.0	0.0	0.40	3.10	86	
	6-Jul-06	10.52	0.5	0.0	0.0	0.37	1.40	-58	
	1-Mar-07	5.03	0.5	0.0	0.0	0.80	1.40	-51.9	
	23-Aug-07	9.68	0.0	0.0	35.0	0.28	2.70	11.8	
	20-Feb-08	0.25	34.2	12.1	49.0	3.30	6.50	59.3	
	21-Aug-08	0.30	0.0	0.0	0.0	0.00	1.60	27.3	
	10-Feb-09	0.20	0.8	0.0	25.0	0.80	0.83	34.2	
	12-Aug-09	2.28	2.6	0.9	19.0	0.71	0.20	4.3	
	2-Feb-10	**1.22**	**6.4**	**0.0**	**22.0**	**1.61**	**1.20**	**9.5**	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters in Groundwater Samples
at the Former Glovatorium Site
3820 Manila Avenue, Oakland, California

Well Name	Date Sampled	Dissolved Oxygen (mg/L)	Dissolved Manganese (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Methane* (mg/L)	ORP	Hydrogen (nanoMoles)
SOMA-4	18-Oct-01	0.83	4.0	22.0	17	0.22	1.20	88	NM
	10-Feb-09	0.17	7.1	0.4	80.0	2.83	2.20	-104.9	
SOMA-4R	12-Aug-09	0.23	7.4	2.1	2.0	2.47	1.00	-138.1	
	2-Feb-10	**0.39**	**12.4**	**0.0**	**35.0**	**3.30**	**2.00**	**-134.7**	
SOMA-5	4-Aug-04	5.65	0.0	0.0	0.0	0.23	1.70	-143	
	2-Feb-05	2.40	1.5	0.0	0.0	3.30	3.00	-81	
	6-Jul-05	8.91	20.9	0.0	0.0	3.30	20.00	-113	
	9-Jan-06	3.24	15.2	0.0	0.0	3.30	10.00	-141	
	6-Jul-06	10.54	0.0	0.0	0.0	0.82	6.90	-129	
	1-Mar-07	NM	NM	NM	NM	NM	NM	NM	
	23-Aug-07	NM	NM	NM	NM	NM	NM	NM	
	20-Feb-08	NM	NM	NM	NM	NM	NM	NM	
	21-Aug-08	NM	NM	NM	NM	NM	NM	NM	
	10-Feb-09	0.18	63.4	0.0	0.0	1.64	NM	-119.4	
	12-Aug-09	NM	NM	NM	NM	NM	NM	NM	
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	
MPE-1	12-Aug-09	0.64	NM	NM	NM	NM	0.09	0.2	
	2-Feb-10	**0.57**	**19.7**	**0.0**	**80.0**	**0.52**	**0.035**	**7.7**	
MPE-2	12-Aug-09	0.11	NM	NM	NM	NM	1.70	-41.5	
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	
MPE-3	11-Aug-09	NM	NM	NM	NM	NM	NM	NM	
	1-Feb-10	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	
MPE-4	12-Aug-09	0.19	9.1	0.0	20.0	1.21	1.70	-66.9	
	2-Feb-10	**0.42**	**8.7**	**0.0**	**5.0**	**2.74**	**3.20**	**-81.4**	
MPE-5	12-Aug-09	0.19	26.7	0.0	0.0	0.00	2.80	-117.0	
	2-Feb-10	**0.48**	**46.7**	**0.0**	**18.0**	**3.30**	**4.40**	**-80.7**	

Notes:
Samples with "field" in the well number indicate that the results are from field measurements obtained using a Hach spectrophotometer or a Hydrolab Quanta flow-through instrument.
since April 2001, field measurements have been obtained by a Hach Calorimeter
* Methane was measured by Laboratory.
Since the First Quarter 2005, Curtis & Tompkins has analyzed for methane.
NM: Not Measured.
During First and Second Semi-annual 2009 events SOMA-5 had insufficient groundwater for sampling
During Second Semi-annual 2009 event GW-4 had insufficient groundwater for sampling
MPE-1 through MPE-5 were installed May 2009

Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
SOMA-4			
2002			
31-Jan-2002	11.30	8.80	2.50
10-Apr-2002	12.45	9.58	2.87
29-Apr-2002	13.00	9.80	3.20
10-Sep-2002	16.75	10.26	6.49
19-Sep-2002	16.32	10.64	5.68
27-Sep-2002	16.59	10.65	5.94
3-Oct-2002	16.95	11.65	5.30
7-Oct-2002	17.40	11.01	6.39
8-Oct-2002	17.11	10.75	6.36
14-Oct-2002	17.51	10.53	6.98
25-Oct-2002	16.90	10.96	5.94
1-Nov-2002	15.59	11.70	3.89
14-Nov-2002	16.24	11.20	5.04
20-Nov-2002	13.44	11.90	1.54
15-Dec-2002	12.73	12.10	0.63
2003			
18-Jul-2003	17.70	7.20	10.50
2004			
28-Jan-2004	12.00	2.90	9.10
2005			
29-Jun-2005	10.40	10.10	0.30
18-Jul-2005	10.35	9.90	0.45
25-Jul-2005	10.75	10.00	0.75
1-Aug-2005	10.87	9.25	1.62
24-Aug-2005	13.47	9.95	3.52
31-Aug-2005	11.15	10.01	1.14
6-Sep-2005	12.98	10.78	2.20
12-Sep-2005	11.15	9.10	2.05
19-Sep-2005	12.90	10.80	2.10
5-Oct-2005	12.80	10.85	1.95
2006			
4-Jan-2006	12.50	8.60	3.90
12-Jan-2006	13.10	10.30	2.80
18-Jan-2006	13.64	10.50	3.14
24-Jan-2006	9.20	9.19	0.01
24-Jan-2006	began extracting free product using GeoTech pump		
26-Jan-2006	9.67	9.66	0.01
13-Feb-2006	10.24	10.23	0.01
27-Feb-2006	9.72	9.70	0.02
10-Mar-2006	8.90	8.70	0.20
20-Mar-2006	7.80	7.70	0.10
30-Mar-2006	8.30	8.20	0.10

Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
SOMA-4			
2006			
6-Apr-2006	7.01	6.65	0.36
18-Apr-2006	moved GeoTech pump from SOMA-4 to B-8		
1-May-2006	7.60	7.56	0.04
10-May-2006	8.64	8.63	0.01
22-May-2006	8.53	8.40	0.13
1-Jun-2006	8.64	8.61	0.03
7-Jun-2006	8.86	8.82	0.04
19-Jun-2006	9.39	9.38	0.01
27-Jun-2006	10.54	10.46	0.08
13-Jul-2006	10.75	10.15	0.60
24-Jul-2006	11.05	10.16	0.89
3-Aug-2006	12.02	10.32	1.70
14-Aug-2006	13.08	9.88	3.20
14-Aug-2006	began extracting free product using GeoTech pump		
25-Aug-2006	13.95	10.70	3.25
28-Aug-2006	11.50	10.73	0.77
9-Sep-2006	14.23	10.75	3.48
13-Sep-2006	12.95	10.70	2.25
27-Sep-2006	15.78	11.00	4.78
4-Oct-2006	14.61	11.26	3.35
11-Oct-2006	14.25	10.75	3.50
1-Nov-2006	17.23	10.92	6.31
22-Nov-2006	14.98	10.53	4.45
30-Nov-2006	15.16	10.29	4.87
8-Dec-2006	13.54	11.30	2.24
11-Dec-2006	12.24	10.66	1.58
2007			
8-Jan-2007	11.15	10.78	0.37
12-Jan-2007	10.79	10.38	0.41
16-Jan-2007	11.00	11.00	0.00
24-Jan-2007	11.10	10.83	0.27
31-Jan-2007	11.02	10.44	0.58
8-Feb-2007	11.50	10.64	0.86
14-Feb-2007	9.60	9.25	0.35
22-Feb-2007	9.94	9.81	0.13
9-Mar-2007	9.73	9.53	0.20
16-Mar-2007	10.02	10.01	0.01
22-Mar-2007	9.93	9.91	0.02
26-Mar-2007	10.67	10.67	0.00
26-Mar-2007	Stopped extracting free product from well SOMA-4.		

Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
SOMA-4			
2007			
4-Apr-2007	10.56	10.39	0.17
9-Apr-2007	10.71	10.60	0.11
17-May-2007	16.05	15.32	0.73
21-May-2007	16.06	15.30	0.76
31-May-2007	16.31	15.31	1.00
8-Jun-2007	16.73	16.09	0.64
11-Jun-2007	16.85	16.02	0.83
20-Jun-2007	16.44	15.62	0.82
29-Jun-2007	16.63	15.90	0.73
2-Jul-2007	16.73	16.15	0.58
12-Jul-2007	17.30	16.64	0.66
12-Jul-2007	Installed new GeoTech pump system in SOMA-4 and began extraction of free product from both wells.		
20-Jul-2007	16.94	-	0.00
25-Jul-2007	16.61	16.58	0.03
7-Aug-2007	18.52	18.49	0.03
7-Aug-2007	FP recovery pump in SOMA-4 well not operating due to unknown internal fault; removed and returned to supplier for repair.		
16-Aug-2007	17.65	-	0.00
22-Aug-2007	18.04	-	0.00
30-Aug-2007	18.21	-	0.00
7-Sep-2007	17.96	-	0.00
14-Sep-2007	18.05	-	0.00
21-Sep-2007	17.90	-	-
29-Nov-2007	17.54	-	-
21-Dec-2007	17.04	-	-
2008			
4-Jan-2008	15.94	15.84	0.10
11-Jan-2008	15.23	14.72	0.51
14-Jan-2008	15.48	15.00	0.48
22-Jan-2008	15.79	15.35	0.44
23-Jan-2008	Geopump serviced by EI		
29-Jan-2008	15.66	15.54	0.12
4-Feb-2008	14.75	14.80	0.05
7-Feb-2008	14.95	14.92	0.03
12-Feb-2008	15.75	15.72	0.03
26-Feb-2008	16.19	16.02	0.17

Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
SOMA-4			
2008			
4-Mar-2008	16.27	16.13	0.14
17-Mar-2008	16.65	16.56	0.09
25-Mar-2008	16.97	16.88	0.09
5-Aug-2008	13.95	13.55	0.40
21-Aug-2008	13.82	13.22	0.60
2-Sep-2008	Begin MPE Pilot Test		
11-Sep-2008	14.00	13.60	0.40
19-Sep-2008	14.25	13.40	0.85
26-Sep-2008	14.01	13.10	0.91
2-Oct-2008	14.00	13.00	1.00
9-Oct-2008	14.00	12.95	1.05
24-Oct-2008	13.20	13.09	0.11
No FP observed since then			
B-8			
2001			
18-Oct-2001	12.31	10.21	2.10
2002			
31-Jan-2002	6.79	6.29	0.50
10-Apr-2002	8.22	8.08	0.14
29-Apr-2002	8.55	8.45	0.10
3-Oct-2002	10.40	9.64	0.76
7-Oct-2002	10.37	8.79	1.58
8-Oct-2002	10.28	9.68	0.60
14-Oct-2002	10.30	9.69	0.61
22-Oct-2002	10.39	9.70	0.69
2003			
18-Jul-2003	9.40	9.17	0.23
2005			
29-Jun-2005	11.50	11.25	0.25
18-Jul-2005	10.90	10.10	0.80
25-Jul-2005	10.92	10.20	0.72
1-Aug-2005	10.85	9.85	1.00
24-Aug-2005	10.35	10.10	0.25
31-Aug-2005	10.48	10.10	0.38
6-Sep-2005	10.86	10.59	0.27
12-Sep-2005	10.59	10.00	0.59
19-Sep-2005	11.20	10.60	0.60
5-Oct-2005	11.30	10.50	0.80
2006			
4-Jan-2006	9.50	8.00	1.50
12-Jan-2006	11.40	10.20	1.20
18-Jan-2006	11.93	11.00	0.93
24-Jan-2006	8.65	8.65	0.00
26-Jan-2006	8.72	8.70	0.02
13-Feb-2006	8.82	8.59	0.23
27-Feb-2006	8.81	8.61	0.20
10-Mar-2006	7.45	6.85	0.60
20-Mar-2006	7.90	7.20	0.70
30-Mar-2006	7.88	7.00	0.88

Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
B-8			
2006			
6-Apr-2006	7.91	7.90	0.01
18-Apr-2006	began extracting free product using GeoTech pump		
1-May-2006	8.34	8.31	0.03
22-May-2006	9.51	8.92	0.59
1-Jun-2006	9.81	9.30	0.51
7-Jun-2006	10.24	9.51	0.73
14-Jun-2006	10.58	9.73	0.85
27-Jun-2006	9.04	8.92	0.12
27-Jun-2006	removed GeoTech pump from well		
13-Jul-2006	9.61	9.30	0.31
24-Jul-2006	9.70	9.26	0.44
3-Aug-2006	10.01	9.05	0.96
14-Aug-2006	10.41	9.69	0.72
25-Aug-2006	10.60	9.64	0.96
28-Aug-2006	10.62	9.80	0.82
7-Sep-2006	10.68	9.73	0.95
13-Sep-2006	10.65	9.78	0.87
27-Sep-2006	11.03	10.23	0.80
4-Oct-2006	11.00	10.20	0.80
11-Oct-2006	10.68	9.73	0.95
1-Nov-2006	11.39	10.24	1.15
22-Nov-2006	11.53	9.78	1.75
30-Nov-2006	11.64	9.25	2.39
8-Dec-2006	11.53	9.76	1.77
11-Dec-2006	11.44	9.68	1.76
2007			
8-Jan-2007	11.56	9.33	2.23
12-Jan-2007	11.58	9.33	2.25
16-Jan-2007	11.59	9.49	2.10
24-Jan-2007	11.77	9.70	2.07
31-Jan-2007	11.76	9.62	2.14
8-Feb-2007	11.92	9.71	2.21
14-Feb-2007	10.91	7.61	3.30
22-Feb-2007	11.46	8.54	2.92
9-Mar-2007	11.34	8.20	3.14
16-Mar-2007	11.53	8.60	2.93
22-Mar-2007	11.72	8.71	3.01
26-Mar-2007	11.71	8.81	2.90
26-Mar-2007	Started extracting free product from well B-8. Moved GeoTech pump from SOMA-4 to B-8		

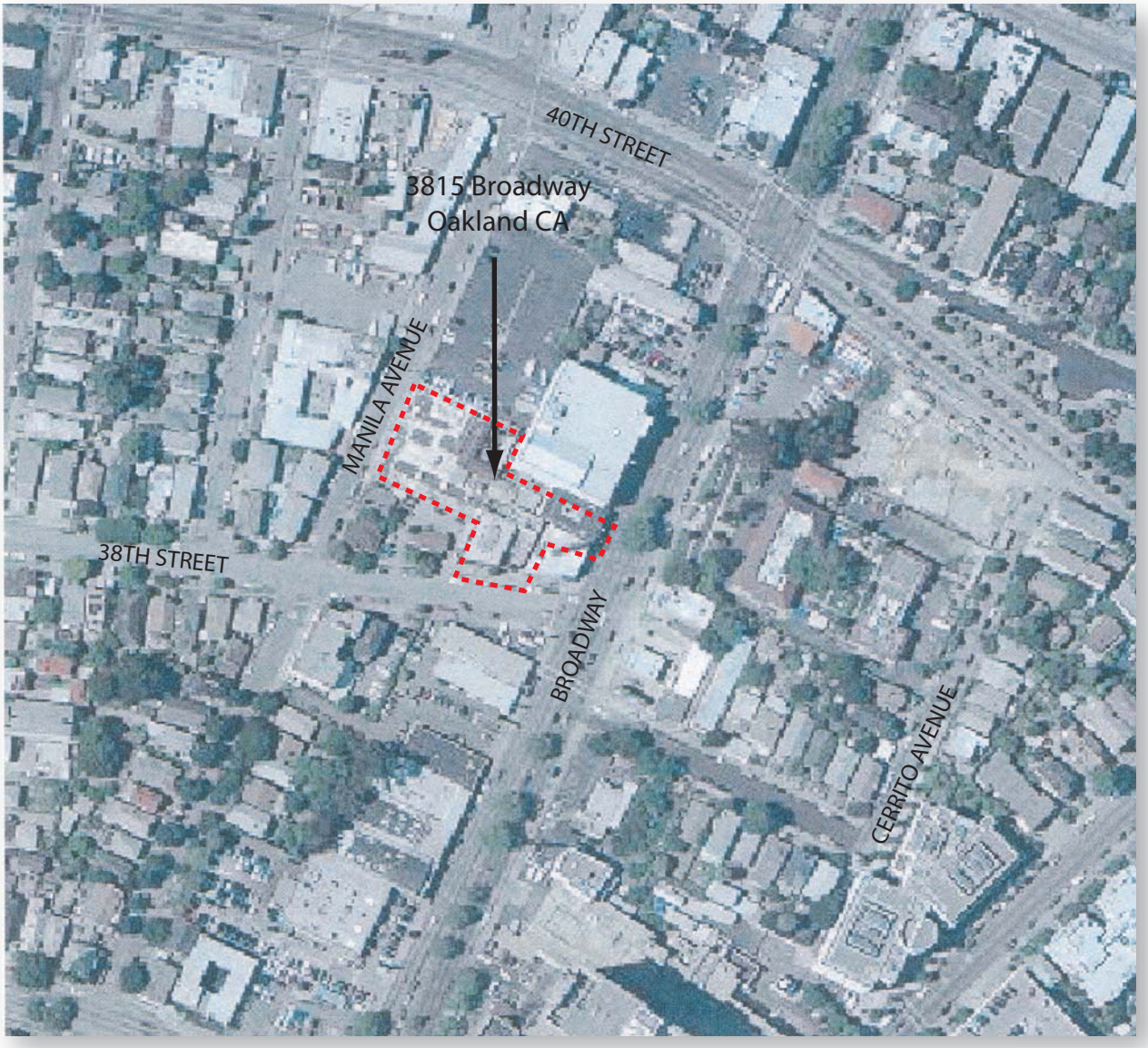
Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
B-8			
2007			
4-Apr-2007	10.71	9.67	1.04
9-Apr-2007	10.83	9.91	0.92
17-May-2007	13.98	13.22	0.76
21-May-2007	13.98	13.20	0.78
31-May-2007	14.78	13.90	0.88
8-Jun-2007	15.44	14.72	0.72
11-Jun-2007	15.50	14.80	0.70
20-Jun-2007	15.43	14.80	0.63
29-Jun-2007	15.20	15.15	0.05
2-Jul-2007	15.32	15.29	0.03
12-Jul-2007	16.03	15.92	0.11
20-Jul-2007	15.95	15.85	0.10
25-Jul-2007	15.90	15.82	0.08
7-Aug-2007	17.18	17.12	0.06
16-Aug-2007	16.87	-	0.00
22-Aug-2007	17.16	-	0.00
30-Aug-2007	17.68	-	0.00
7-Sep-2007	17.10	-	0.00
14-Sep-2007	17.09	-	0.00
21-Sep-2007	17.00	-	-
29-Nov-2007	16.47	-	-
21-Dec-2007	14.18	-	-
2008			
4-Jan-2008	13.69	-	-
11-Jan-2008	10.69	10.68	0.01
14-Jan-2008	11.25	11.23	0.02
22-Jan-2008	13.18	-	0.00
23-Jan-2008	Geopump serviced by EI		
29-Jan-2008	10.68	-	0.00
4-Feb-2008	10.09	-	0.00
7-Feb-2008	10.26	10.24	0.02
12-Feb-2008	11.24	11.21	0.03
26-Feb-2008	10.85	NA	0.00
4-Mar-2008	12.97	NA	0.00
17-Mar-2008	14.92	NA	0.00
25-Mar-2008	15.41	NA	NA
5-Aug-2008	13.19	NA	NA
21-Aug-2008	13.02	NA	NA
No FP observed since then			

Table 7
Free Product Removal Log
Former Glovatorium Site
3820 Manila Avenue, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
B-10			
2008			
20-Feb-2008	11.75	8.99	2.76
26-Feb-2008	9.94	8.37	1.57
4-Mar-2008	9.23	9.21	0.02
17-Mar-2008	9.9	9.87	0.03
25-Mar-2008	10.15	10.12	0.03
5-Aug-2008	11.03	10.96	0.07
21-Aug-2008	11.03	10.86	0.17
2-Sep-2008	Begin MPE Pilot Test		
3-Sep-2008	11.51	11.33	0.18
11-Sep-2008	13.93	12.55	1.38
19-Sep-2008	12.87	12.10	0.77
24-Oct-2008	11.33	NA	NA
No FP observed since then			
SOMA-2			
2008			
20-Feb-2008	10	9.29	0.71
25-Mar-2008	10.67	10.02	0.65
5-Aug-2008	11.38	10.84	0.46
21-Aug-2008	11.36	10.76	0.6
2-Sep-2008	Begin MPE Pilot Test		
3-Sep-2008	11.62	11.3	0.32
5-Sep-2008	11.77	11.42	0.35
24-Sep-2008	12.87	12.25	0.62
30-Sep-2008	12.6	11.9	0.7
6-Oct-2008	12.32	11.66	0.66
16-Oct-2008	12.6	11.85	0.75
24-Oct-2008	11.42	NA	NA
2009			
11-Aug-2009	12.69	12.51	0.18
2010			
1-Feb-2010	No free product was observed during the First Semi-Annual 2010 Monitoring Event		
MPE-2			
2009			
2-Jun-2009	12.72	11.85	0.87
3-Jun-2009	11.9	11.70	0.2
2010			
1-Feb-2010	10.89	10.65	0.24
MPE-3			
2009			
2-Jun-2009	11.55	11.50	0.05
3-Jun-2009	11.39	11.31	0.08
11-Aug-2009	11.33	11.19	0.14
2010			
1-Feb-2010	9.31	8.97	0.34

FIGURES



N

approximate scale in feet

0 250 500

Figure 1: Site vicinity map.

SOMA ENVIRONMENTAL ENGINEERING, INC.

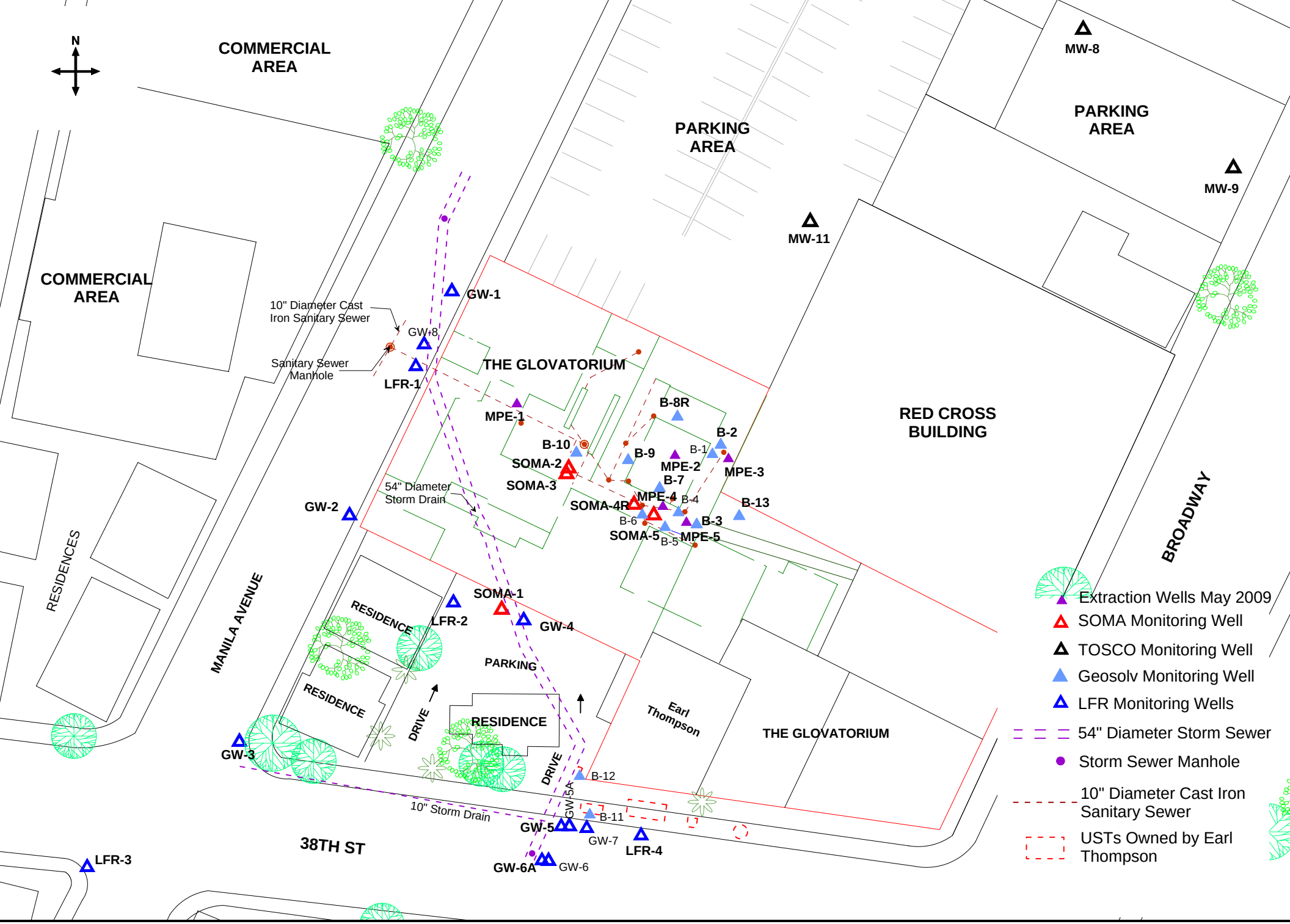


Figure 2: Map showing the approximate locations of groundwater monitoring wells.

ENVIRONMENTAL ENGINEERING, INC.

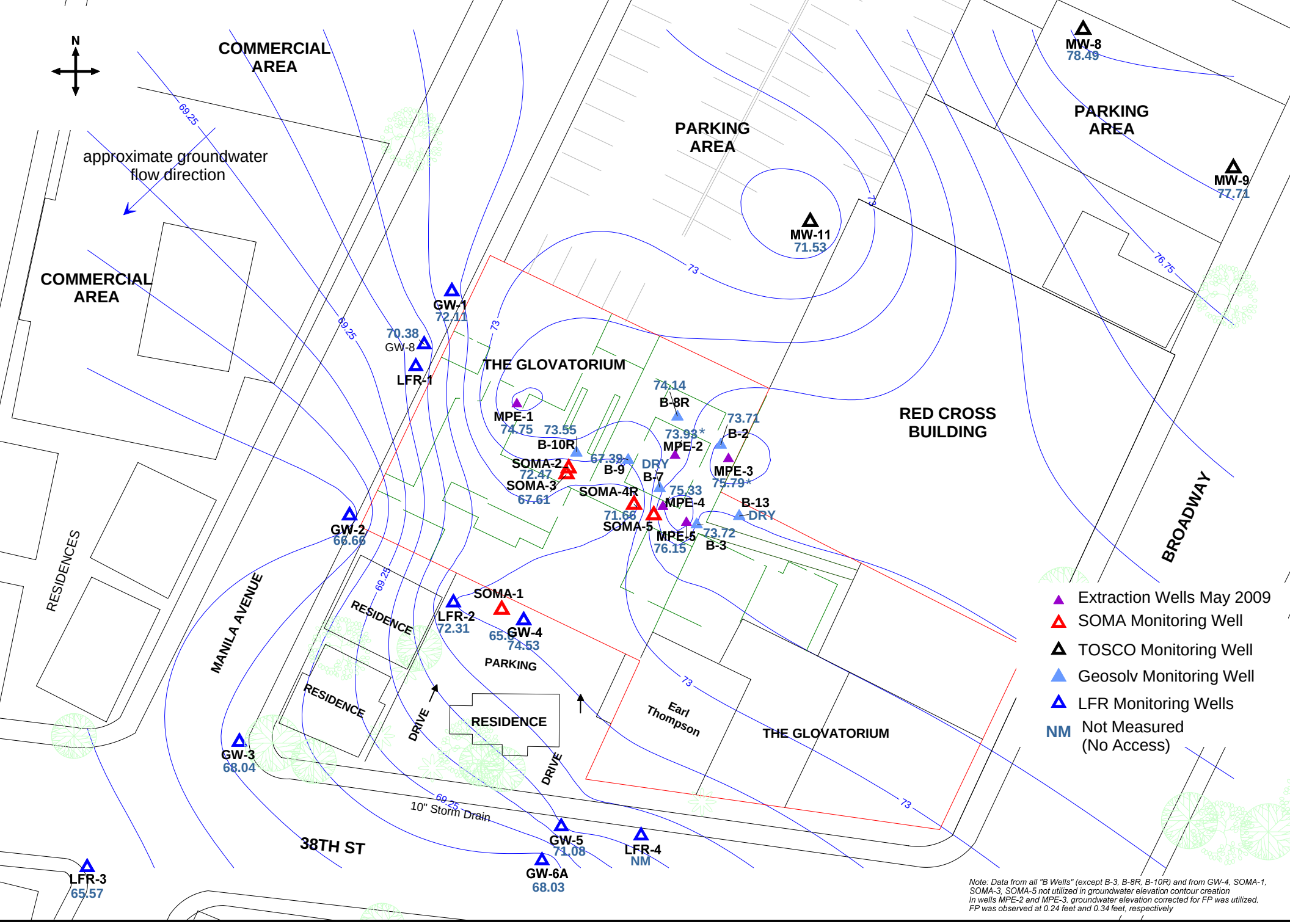
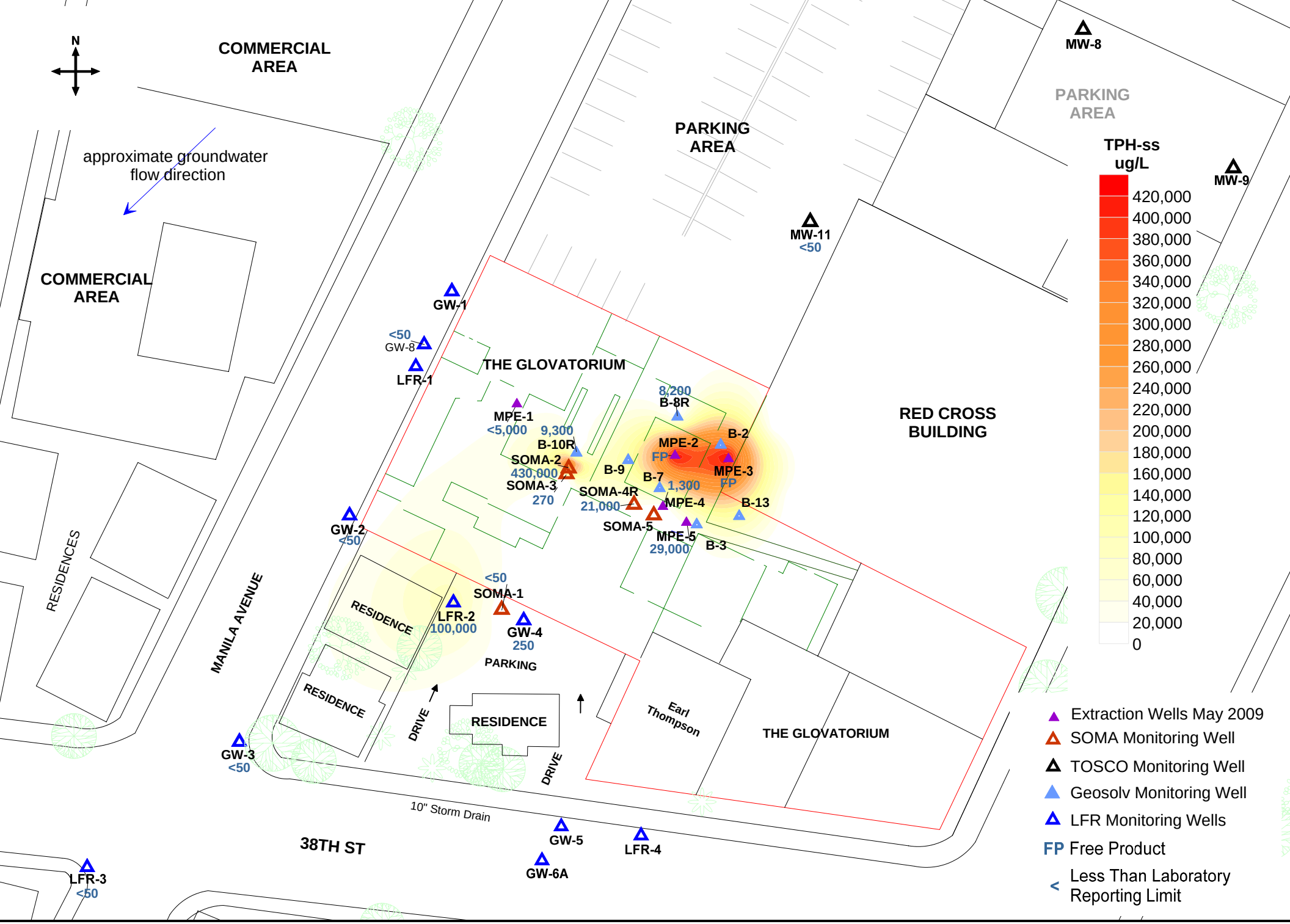


Figure 3: Groundwater elevation contour map in feet. February 1, 2010

ENVIRONMENTAL ENGINEERING, INC.

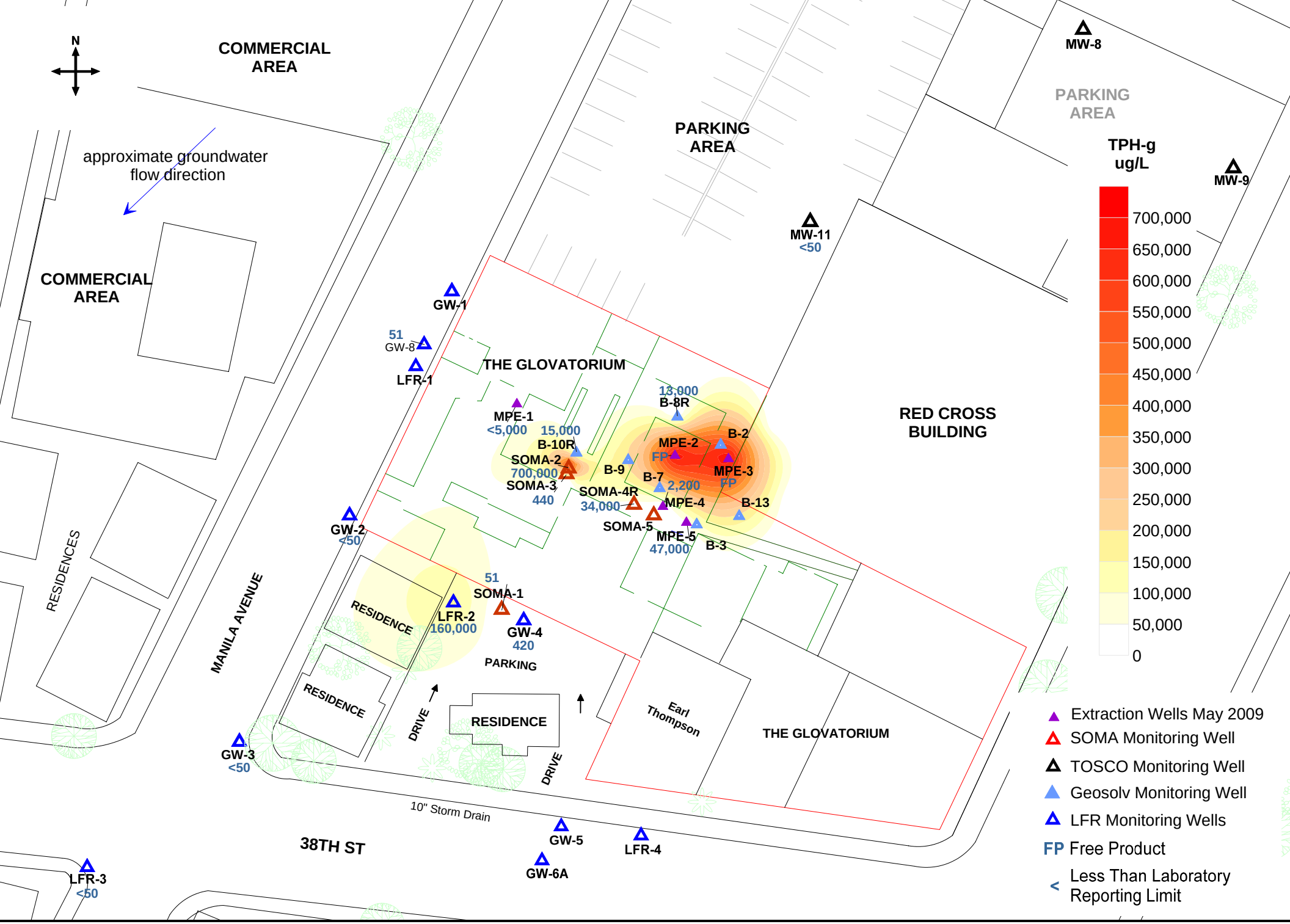


approximate scale in feet

0 50 100

Figure 4 Contour map of TPH-ss concentrations in groundwater
February 1 and 2, 2010

SOMA ENVIRONMENTAL ENGINEERING, INC.

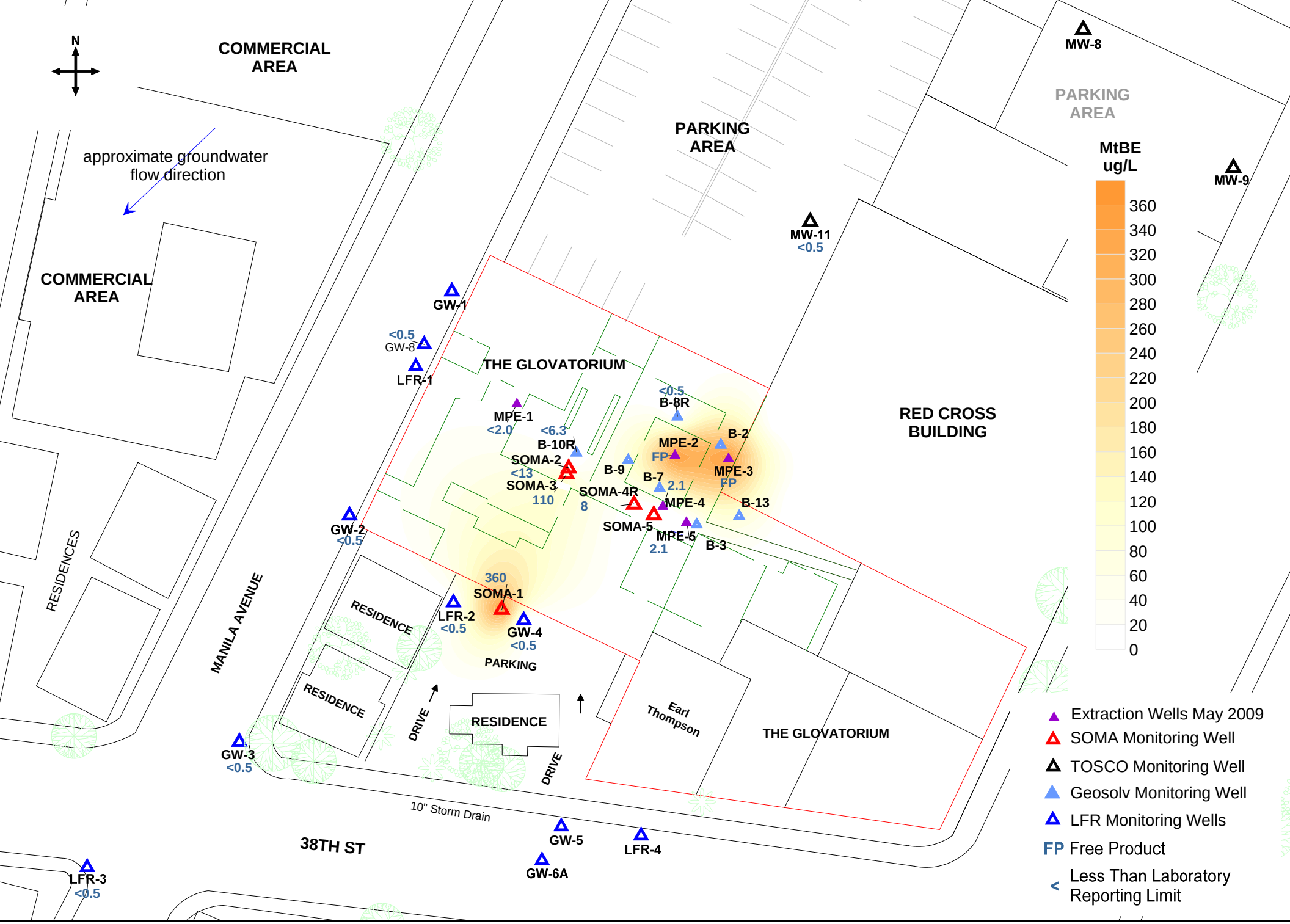


approximate scale in feet

0 50 100

Figure 5 Contour map of TPH-g concentrations in groundwater
February 1 and 2, 2010

SOMA ENVIRONMENTAL ENGINEERING, INC.



approximate scale in feet

0 50 100

Figure 6: Contour map of MtBE concentrations in groundwater (EPA Method 8260B). February 1 and 2, 2010

ENVIRONMENTAL ENGINEERING, INC.

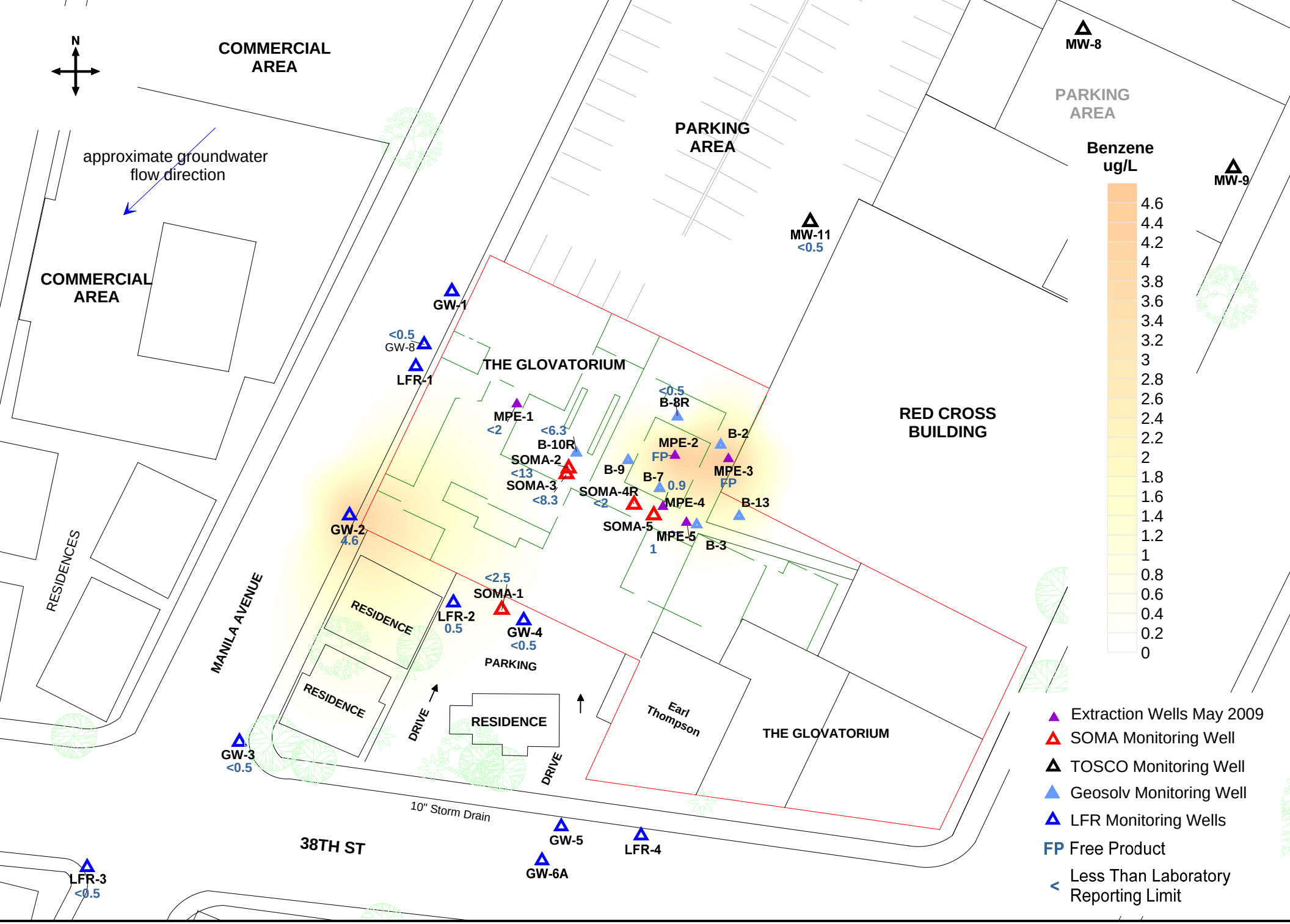


Figure 7: Map of benzene concentrations in groundwater (EPA Method 8260B). February 1 and 2, 2010

SOMA ENVIRONMENTAL ENGINEERING, INC.

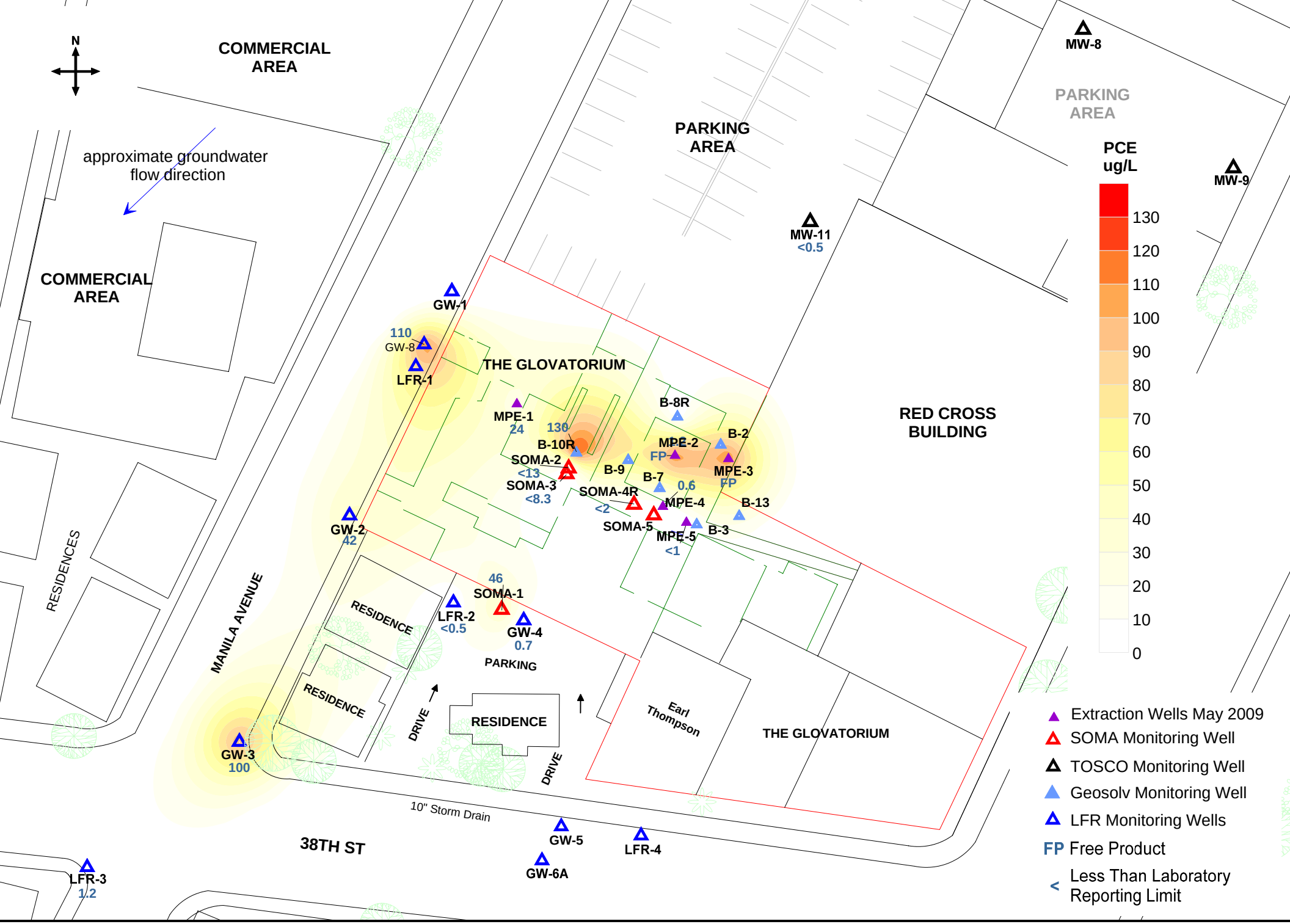


Figure 8: Contour map of PCE concentrations in groundwater
February 1 and 2, 2010

SOMA ENVIRONMENTAL ENGINEERING, INC.

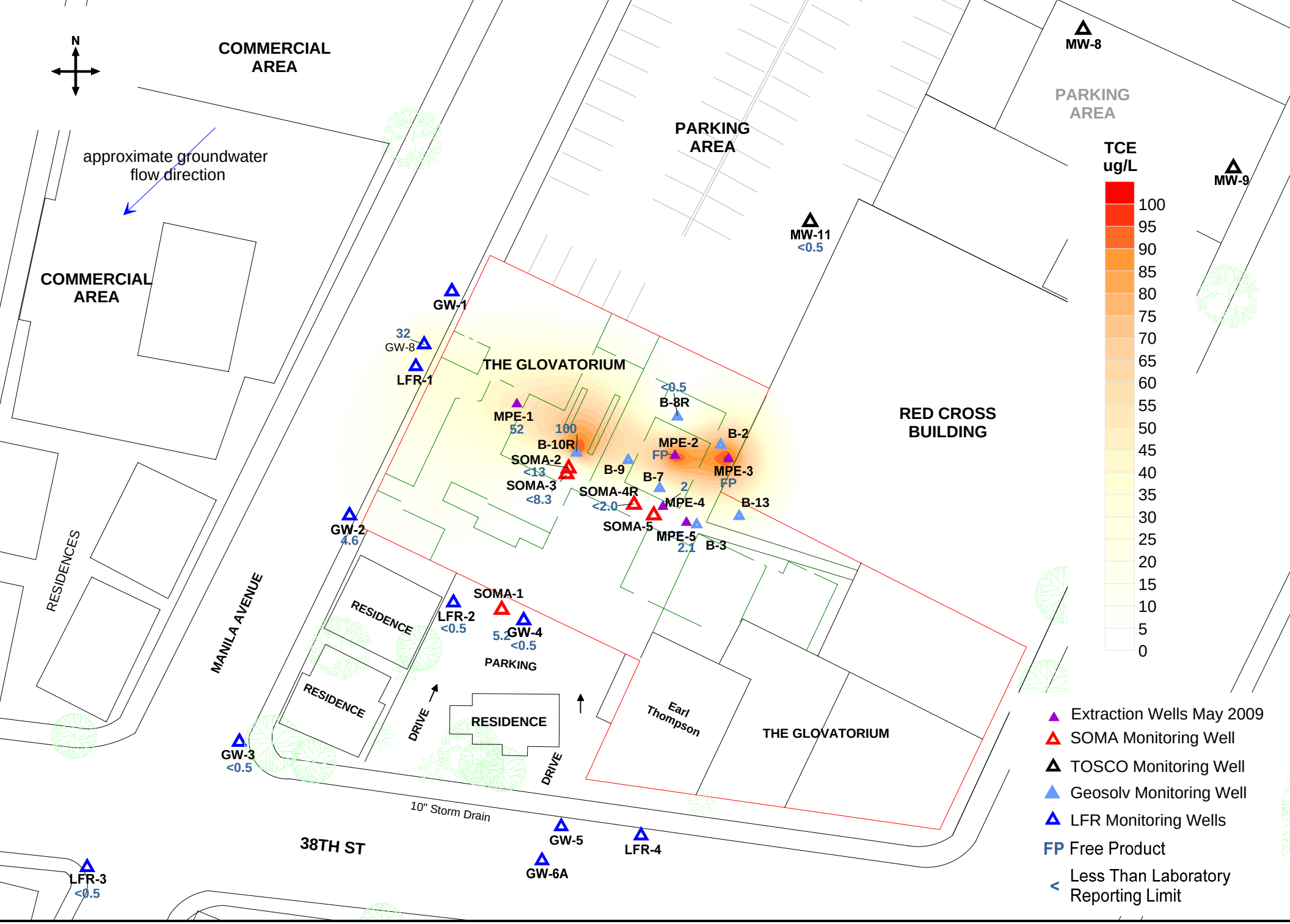
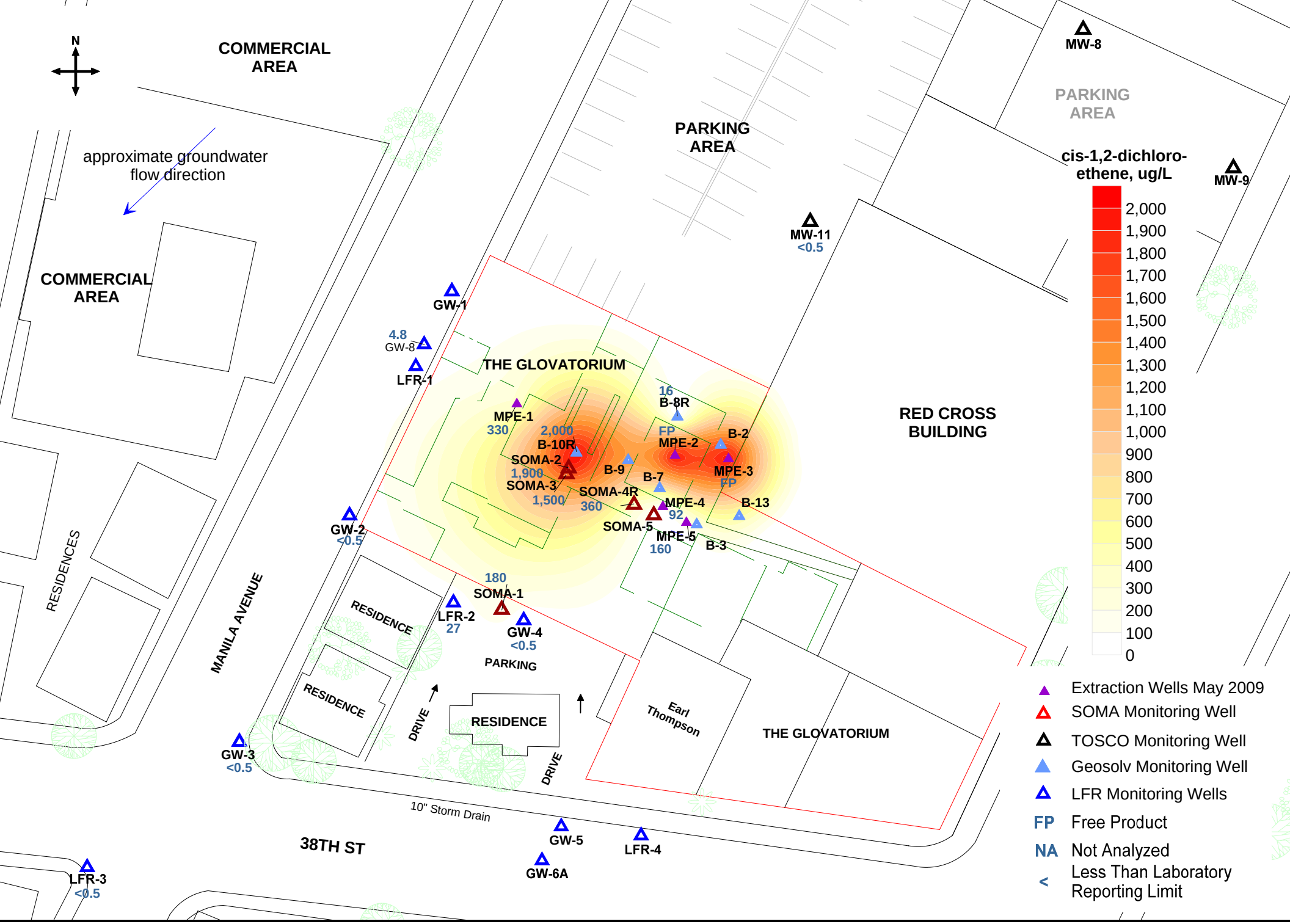


Figure 9 Contour map of TCE concentrations in groundwater
February 1 and 2, 2010

ENVIRONMENTAL ENGINEERING, INC.

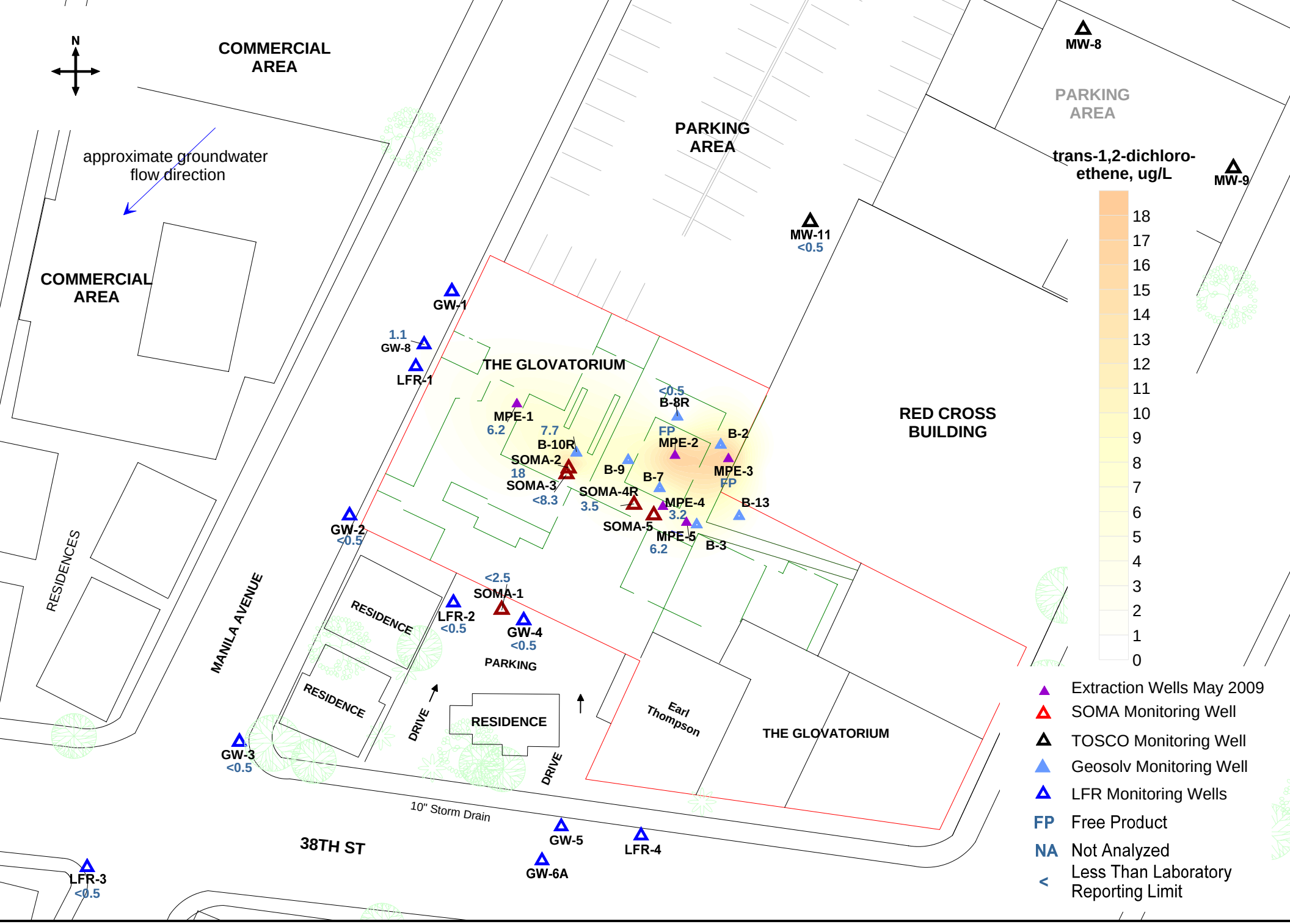


approximate scale in feet

0 50 100

Figure 10: Contour map of cis-1,2-dichloroethene concentrations in groundwater.
February 1 and 2, 2010.

SOMA ENVIRONMENTAL ENGINEERING, INC.



approximate scale in feet

0 50 100

Figure 11 Contour map of trans-1,2-dichloroethene concentrations in groundwater February 1 and 2, 2010.

SOMA ENVIRONMENTAL ENGINEERING, INC.

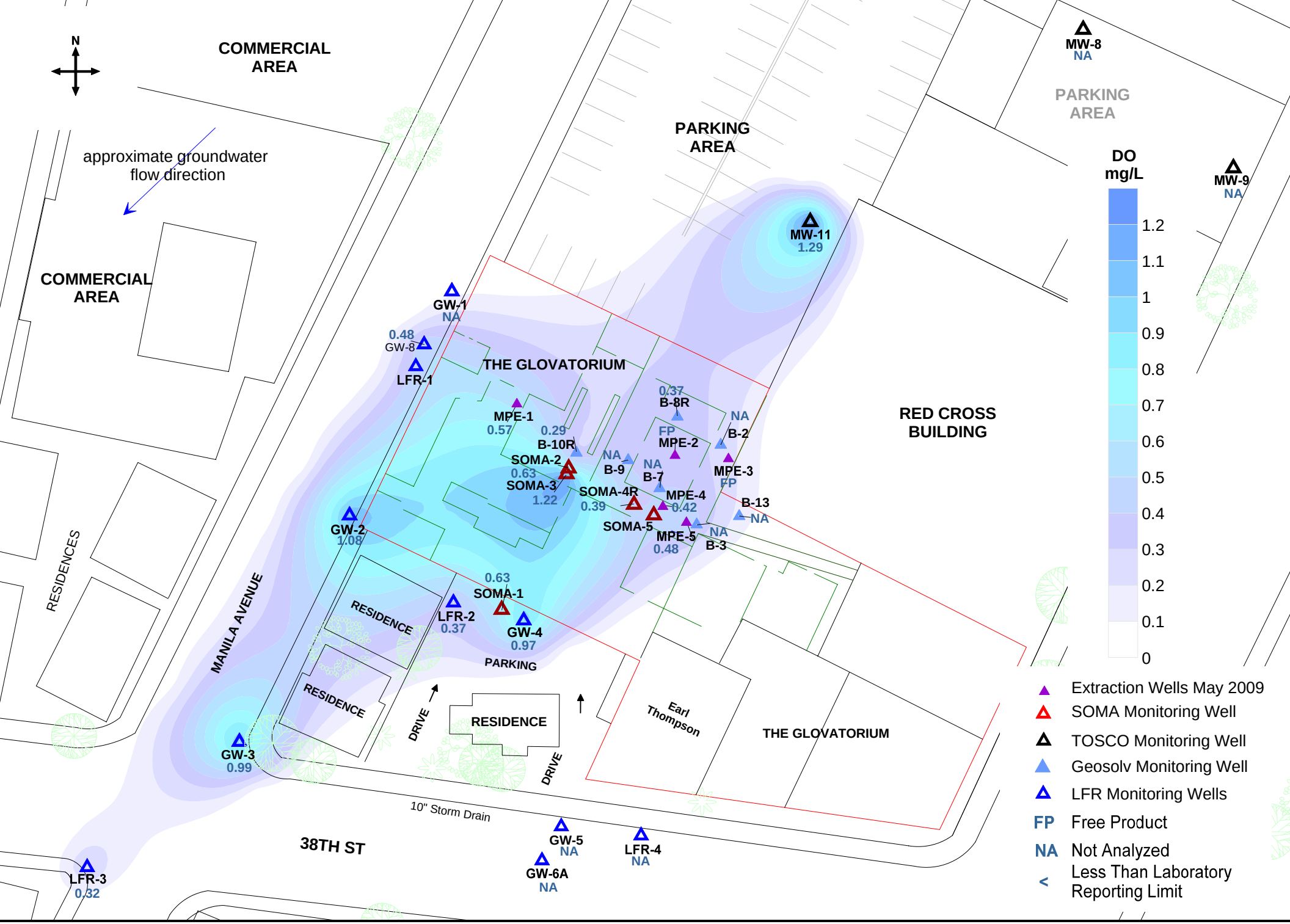


Figure 12: Contour map of dissolved oxygen concentrations in groundwater
February 1 and 2, 2010

SOMA ENVIRONMENTAL ENGINEERING, INC.

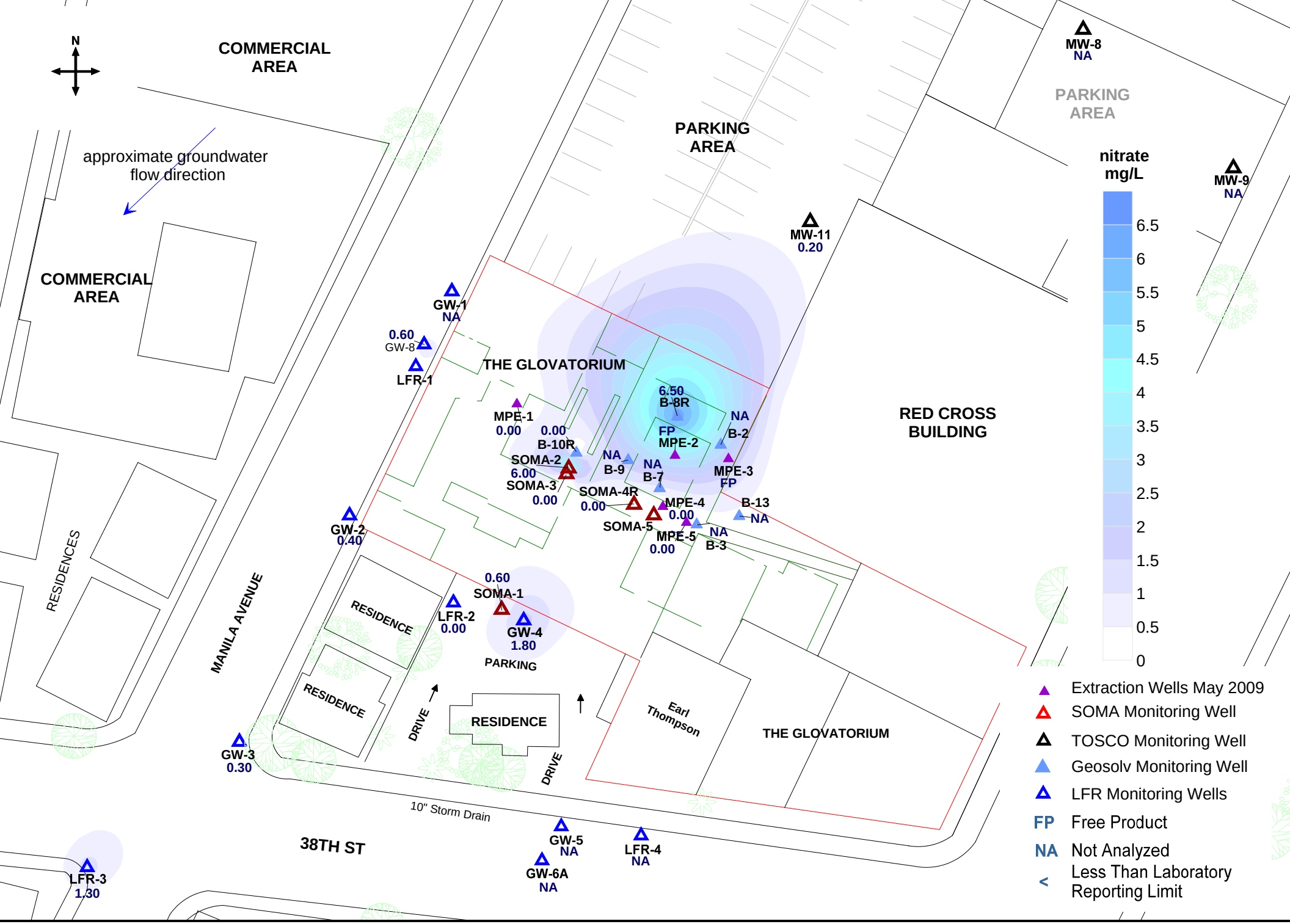
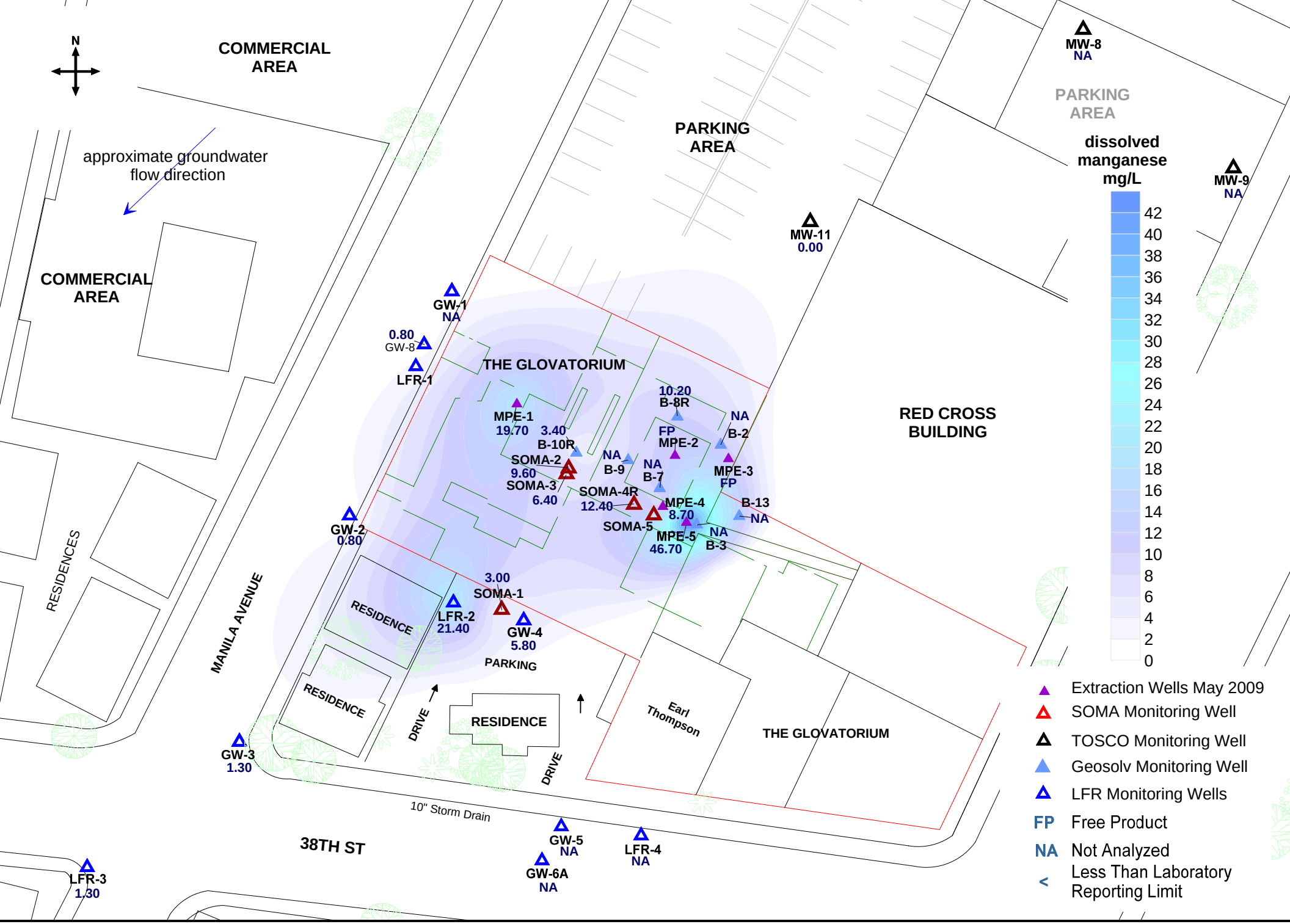


Figure 13: Contour map of nitrate concentrations in groundwater
February 1 and 2, 2010.

ENVIRONMENTAL ENGINEERING, INC.



approximate scale in feet

0 50 100

Figure 14: Contour map of dissolved manganese concentrations in groundwater February 1 and 2, 2010.

SOMA ENVIRONMENTAL ENGINEERING, INC.

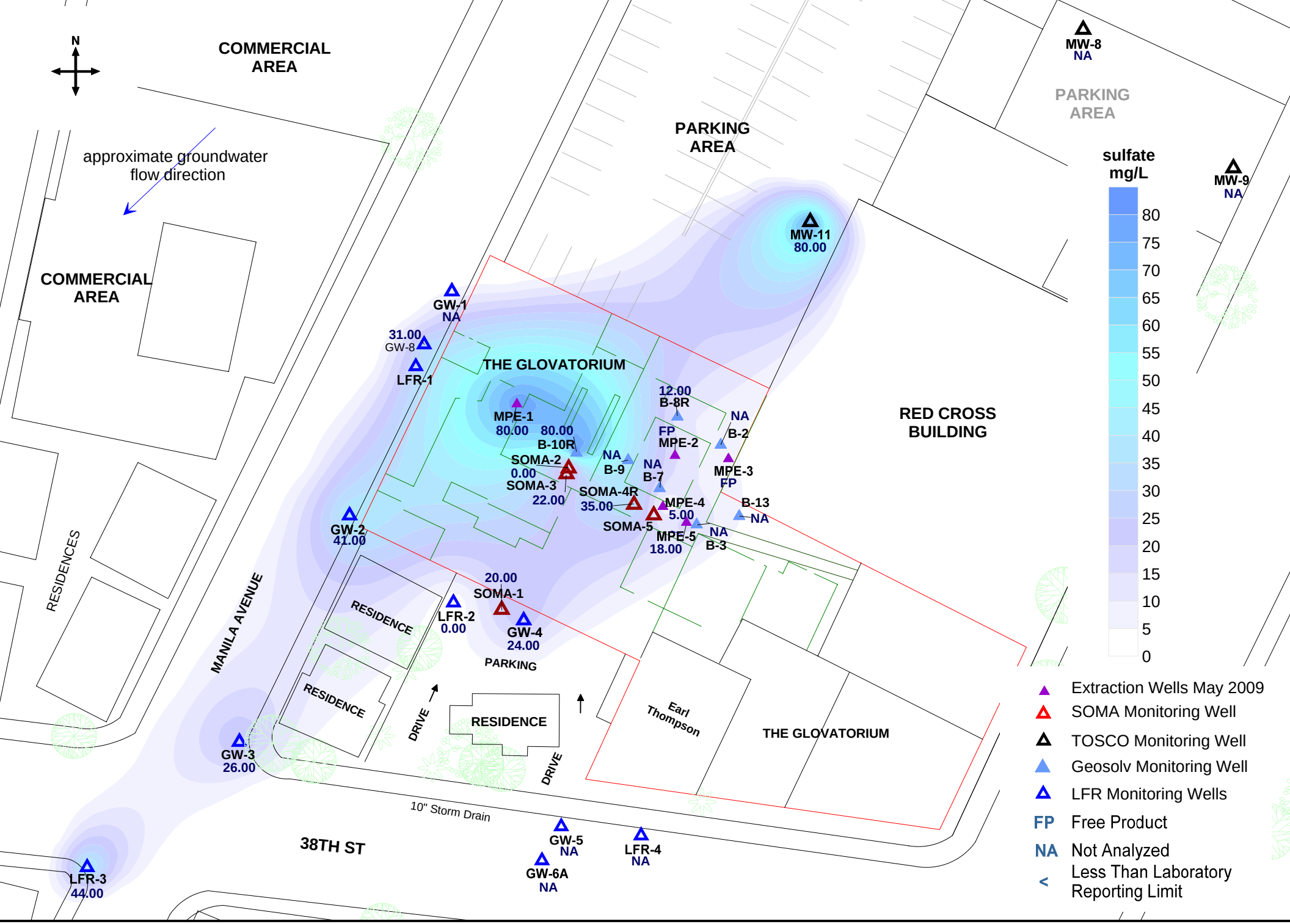


Figure 15: Contour map of sulfate concentrations in groundwater
February 1 and 2, 2010.

SOMA ENVIRONMENTAL ENGINEERING, INC.

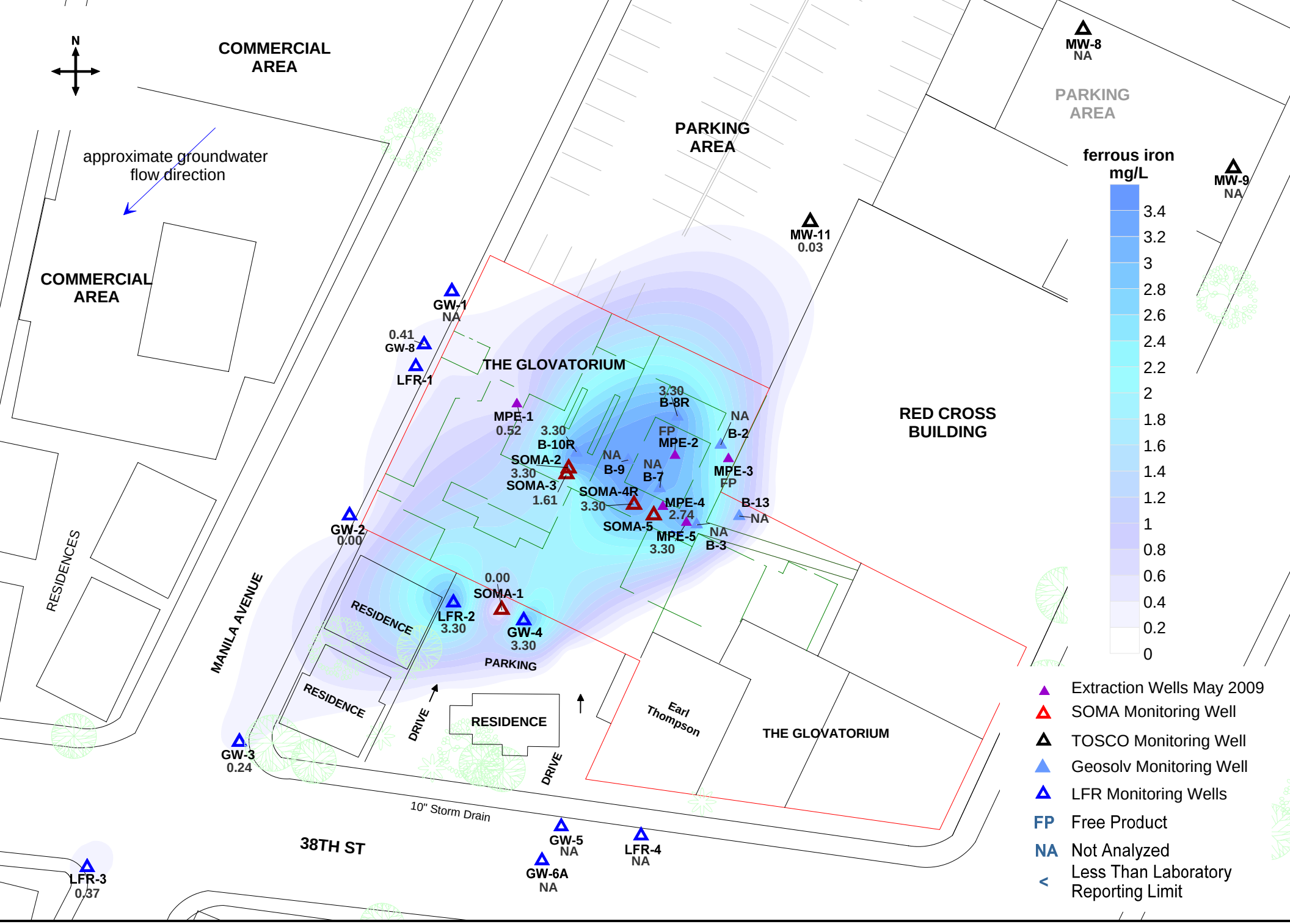


Figure 16: Contour map of ferrous iron concentrations in groundwater
February 1 and 2, 2010.

ENVIRONMENTAL ENGINEERING, INC.

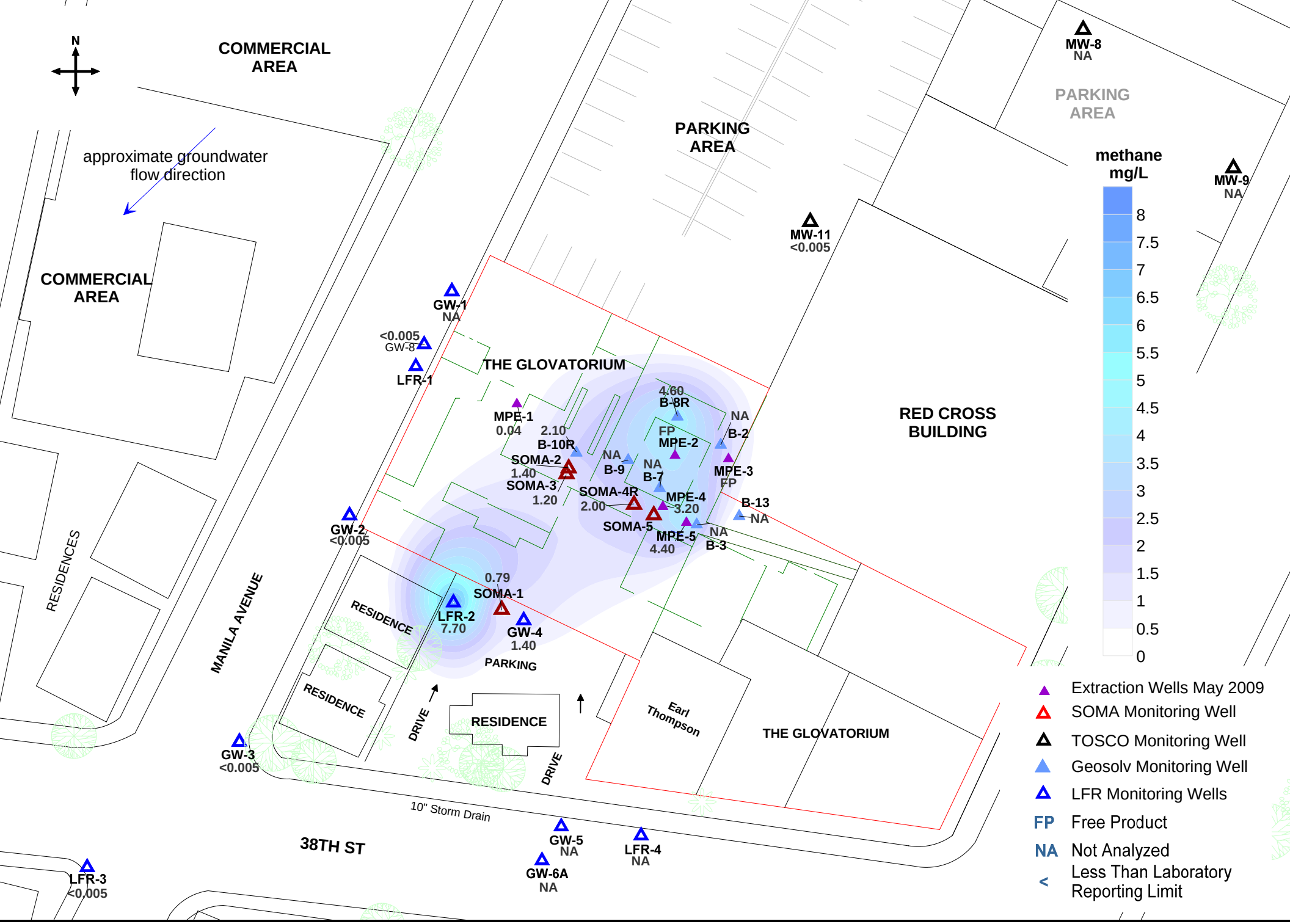
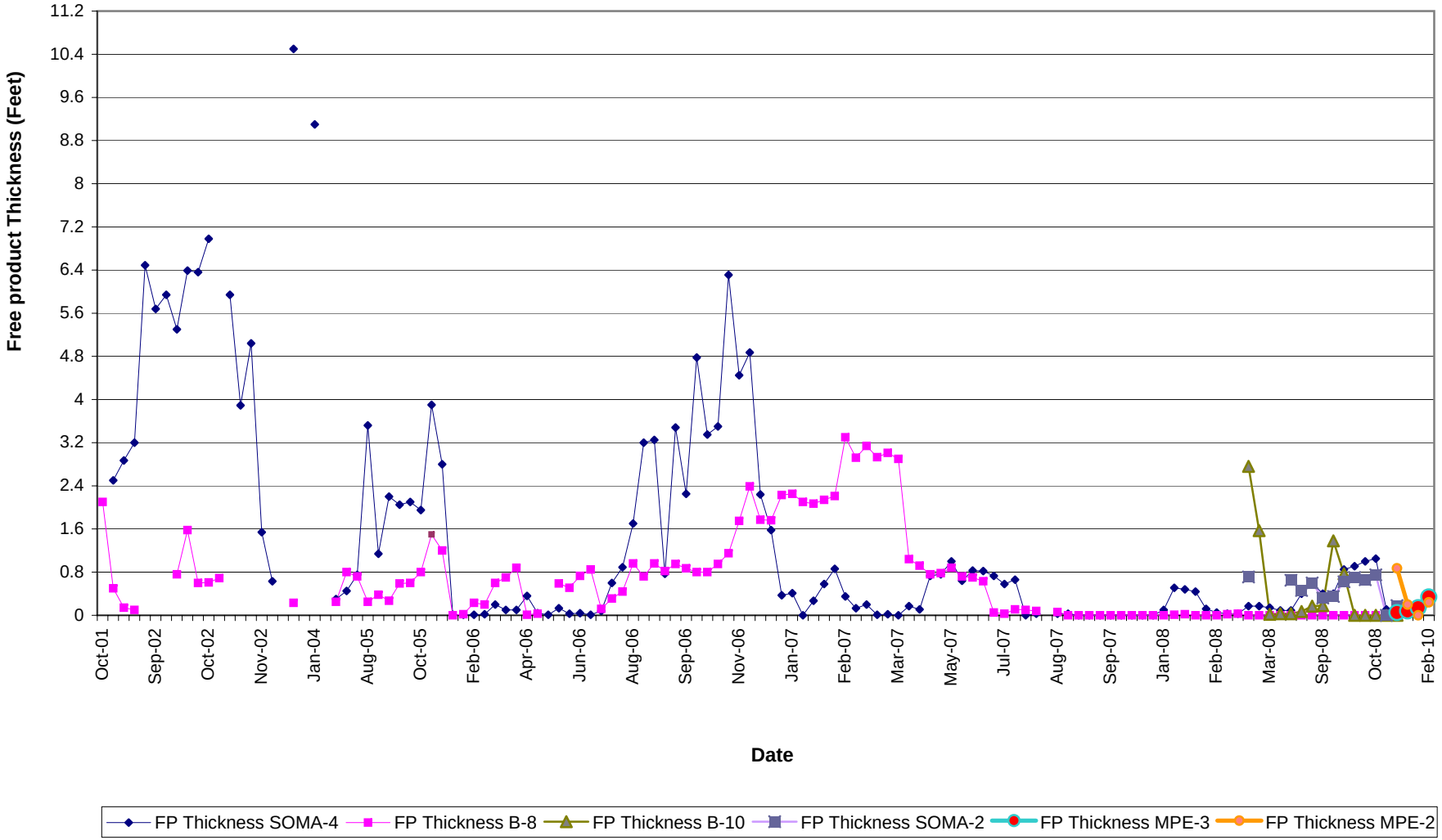


Figure 17: Contour map of methane concentrations in groundwater
February 1 and 2, 2010.

SOMA ENVIRONMENTAL ENGINEERING, INC.

Figure 18
Free Product Thickness
Former Glovatorium Site
3820 Manila Avenue, Oakland, California



APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

Field activities were conducted on February 1 and 2, 2010. During this event, 16 monitoring wells were sampled. Depths to groundwater were measured in 30 groundwater monitoring wells and temporary sampling points. SOMA-5 was not sampled due to insufficient water for purging and sampling. LFR-4 was not sampled due to a truck that was parked over the well both days of field work. Wells MPE-2 and MPE-3 were not sampled due to the presence of free product. Figure 2 shows locations of groundwater monitoring wells and temporary sampling points.

On February 1, 2010, SOMA's field crew measured depths to groundwater in the monitoring wells and temporary groundwater sampling points from the top of the casings to the nearest 0.01 feet using an electrical sounder. The depth to groundwater and top of the casing elevation were used to calculate the Site's groundwater elevation at each sounding location.

Prior to sample collection, each well was purged using a battery-operated, 2-inch-diameter pump (Model ES-60 DC) or a GeoTech pump (for the smaller ¾-inch diameter temporary wells). During the purging activities, the groundwater was measured for parameters such as DO, pH, temperature, EC, and the ORP using a Hanna HI-9828 multi-parameter instrument. Turbidity was measured using a Hanna HI-98703 portable turbidimeter. The equipment was calibrated at the Site using standard solutions and procedures provided by the manufacturer.

The purging continued until the parameters for pH, temperature, EC, DO, turbidity, and ORP stabilized, or three casing volumes were purged. The groundwater samples were also tested on-site for nitrate, nitrite, sulfate, total iron, ferrous iron and dissolved manganese concentrations, once stabilization occurred, using the Hach Colorimeter (Model 890). The Hach Colorimeter is a microprocessor-controlled photometer suitable for colorimetric testing in the laboratory or the field. The required reagents for each specific test were provided in AccuVac ampules.

Nitrate was measured colorimetrically using Method 8039, the Cadmium Reduction Method. Cadmium metal in the NitraVer 5 Nitrate Reagent reduces nitrates present in the sample to nitrite; the nitrite ion reacts in an acidic medium with sulfanilic acid to form an intermediate diazonium salt, which couples with getistic acid to form an amber-colored product. The intensity of the color is proportional to the nitrate concentration in the sample.

Nitrite was measured colorimetrically using Method 8507, the Diazotization Method. Nitrite in the sample reacts with sulfanilic acid in the NitriVer 3 Nitrite Reagent to form an intermediate diazonium salt. The salt couples with chromotropic acid to produce a pink colored complex. The intensity of the color is proportional to the nitrite concentration in the sample.

Sulfate was measured colorimetrically using Method 8051, the SulfaVer 4 Method. Sulfate ions in the sample react with barium in the SulfaVer 4 Sulfate Reagent to form insoluble barium sulfate. The intensity of the subsequent color development is proportional to the sulfate concentration.

Ferrous iron was measured colorimetrically using Method 8146 (1,10-phenanthroline Method). The 1,10-phenathroline indicator in the ferrous iron reagent reacts with Fe^{+2} in the sample to form an orange color. The intensity of the orange color is proportional to the iron concentration.

Total iron was measured colorimetrically using Method 8008. The FerroVer Iron Reagent reacts with all soluble and most insoluble forms of iron in the sample to produce soluble ferrous iron. This reacts with the 1,10-phenanthroline indicator in the reagent to form an orange color in proportion to the iron concentration.

Dissolved manganese was measured colorimetrically using Method 8034, the Periodate Oxidation Method. Manganese in the sample is oxidized to the purple permanganate state by sodium periodate, after buffering the sample with citrate. The purple color that develops as a result of this reaction is directly proportional to the manganese concentration.

After purging, a disposable polyethylene bailer was used to collect sufficient samples from each monitoring well for laboratory analyses. The groundwater samples from the smaller diameter ¾-inch temporary wells were collected using the GeoTech pump and a battery pack. A ¼-inch poly tube was placed in the temporary well, and groundwater was extracted through the tubing using the GeoTech pump.

The groundwater sample was transferred to nine 40-mL VOA vials and preserved with hydrochloric acid. The vials were then sealed to prevent the development of air bubbles within the headspace. The VOA vials containing the samples were immediately placed on ice and maintained at 4°C in a cooler. A chain of custody form was written and placed with the samples in the cooler. SOMA's field crew delivered the samples to Curtis & Tompkins, Ltd. Laboratory, in Berkeley, California, upon sampling completion.

Laboratory Analysis

Curtis & Tompkins, Ltd., a state-certified laboratory, analyzed the groundwater samples for TPH-g, TPH-ss, purgeable organics, which included BTEX and MtBE constituents, and methane. TPH-g and TPH-ss were prepared using EPA Method 5030B and measured using EPA Method 8015B. Purgeable organics, which included BTEX and MtBE, were prepared using EPA Method 5030B and analyzed using EPA Method 8260B. Methane was analyzed using RSK-175.

APPENDIX B

Table of Elevations and Coordinates on Wells;
Field Notes, Field Measured Physical
and Chemical Parameter Values

Virgil Chavez Land Surveying
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

November 6, 2001
Project No. 1974-06

Mansour
Soma Environmental Engineering, Inc.
2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Subject: Monitoring Well Survey
3815 Broadway
Oakland, CA

Dear Mansour:

This is to confirm that we have proceeded at your request to survey the monitoring wells located at the above referenced location. The survey was performed on October 30, 2001. The benchmark for the survey was a USGS bronze disk located near the north end of the curb return at the Northwest corner of 38th Street and Broadway. The coordinates are for top of casing based on your coordinate system. Measurements taken at approximate north side of top of box and top of casing. Benchmark Elev. = 85.41 feet, (NGVD 29).

Well No.	Rim Elevation	TOC Elevation	Northing	Easting
SOMA - 1	82.31'	81.64'	270.13	326.38
SOMA - 2	81.62'	81.39'	270.39	392.29
SOMA - 3	81.65'	81.42'	270.60	394.89
SOMA - 4	81.51'	81.09'	237.74	392.79
SOMA - 5	81.68'	81.50'	227.76	392.24

Sincerely,

Virgil D. Chavez, PLS 6323

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.

HORZONTAL 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

JUL 16 2009 9:11AM Harrington Surveys Inc. 9259355118 P.5

3820 MANILA AVE.
OAKLAND CA.

HARRINGTION SURVEYS
2278 LARKEY LANE
WALNUT CREEK CA 94597

JOB # 2908
DATE: 07\07\09

PT#	NORTH	EAST	ELEV	DESC.	LATITUDE N.DMS	LONGTIDUDE 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	122.258060166°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	37.826723563°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

Jul 16 2009 9:11AM Harrington Surveys Inc. 9259355118 P.3

HARRINGTON SURVEYS
2278 LARKEY LANE
WALNUT CREEK, CA. 94597

SOMA ENVIRONMENTAL ENGR.
6620 OWENS DR.
SUITE A
PLEASANTON, CA. 94588

INVOICE # 2542
DATE 07-15-09

DATE	JOB #	CREW	DESCRIPTION	HRS	RATE	SUB TOT.	TOTAL
07\15\09	2908		3820 MANILA AVE. OAKLAND CA.				
			MONITORING WELLS				
			NAD 83 & NAVD 88				
			PREPARE REPORT				
			LUMP SUM FEE				$1,450.00
			TOTAL DUE				$1,450.00
			THANK YOU				
			BEN HARRINGTON				

Jul 16 2009 9:11AM Harrington Surveys Inc. 9259355118 p.2

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-2	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway,
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	82.09 feet	**Date:**	February 1, 2010
Depth to Groundwater:	8.38 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	73.71 feet		Jesse Acedillo
Water Column Height:	NC feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-3	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	82.57 feet	**Date:**	February 1, 2010
Depth to Groundwater:	8.85 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	73.72 feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-7	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	76.96 feet	**Date:**	February 1, 2010
Depth to Groundwater:	DRY feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	NC feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	Bailer ☐	Pump ☐		
Sampling Method:	Bailer ☐	Pump ☐	Not sampled	
Color:	No ☐	Yes ☐	**Describe:**	Unknown
Sheen:	No ☐	Yes ☐	**Describe:**	Unknown
Odor:	No ☐	Yes ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-8R	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.47 feet		Oakland, California
Top of Casing Elevation:	84.66 feet	**Date:**	February 2, 2010
Depth to Groundwater:	10.52 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	74.14 feet		Jesse Acedillo
Water Column Height:	8.95 feet		
Purged Volume:	4 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Light yellow	
Sheen:	**No** ☐	**Yes** ☑	**Describe:**	Slight ~~Sheen~~ Rainbow	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Chemical Odor	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
14:28	Started purging well						
14:29	2	6.03	16.73	0.56	1297	82.1	-24.9
14:30	4	6.00	16.85	0.37	1307	17.6	-21.1
14:35	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
14:50	3.30	3.30	6.5	0.015	12	10.2

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-9	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	77.37 feet	**Date:**	February 1, 2010
Depth to Groundwater:	9.98 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	67.39 feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐		**Pump** ☐		
Sampling Method:	**Bailer** ☐		**Pump** ☐	Not sampled	
Color:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐		**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-10R	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.25 feet		Oakland, California
Top of Casing Elevation:	83.98 feet	**Date:**	February 2, 2010
Depth to Groundwater:	10.43 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	73.55 feet		Jesse Acedillo
Water Column Height:	8.82 feet		
Purged Volume:	4 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Grayish	
Sheen:	**No** ☑	**Yes** ☑	**Describe:**	Rainbow Sheen	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Chemical odor	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
10:34	Started purging well						
10:35	2	6.95	18.57	0.37	1193	381	-63.2
10:36	4	5.93	18.50	0.29	1173	183	-49.6
10:41	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
10:54	3.30	3.30	0.0	0.001	80	3.4

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	B-13	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	84.58 feet	**Date:**	February 1, 2010
Depth to Groundwater:	DRY feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	NC feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐		**Pump** ☐		
Sampling Method:	**Bailer** ☐		**Pump** ☐	Not sampled	
Color:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐		**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW-1	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	7.85 feet		Oakland, California
Top of Casing Elevation:	79.94 feet	**Date:**	February 1, 2010
Depth to Groundwater:	7.83 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	72.11 feet		Jesse Acedillo
Water Column Height:	0.02 feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes: Insufficient water in well for field measurements or samples.

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW-2	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	20.00 feet		Oakland, California
Top of Casing Elevation:	79.14 feet	**Date:**	February 1, 2010
Depth to Groundwater:	12.48 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	66.66 feet		Jesse Acedillo
Water Column Height:	7.52 feet		
Purged Volume:	0.50 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑	Geotech	
Sampling Method:	**Bailer** ☐	**Pump** ☑		
Color:	**No** ☑	**Yes** ☐	**Describe:**	
Sheen:	**No** ☑	**Yes** ☐	**Describe:**	
Odor:	**No** ☑	**Yes** ☐	**Describe:**	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
13:49	Started purging well						
13:50	0.25	6.26	15.65	1.27	490	7.44	+113.7
13:51	0.50	6.13	17.75	1.08	473	7.16	+122.4
13:52	0.75	Dried					
13:57	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
14:12	0.00	0.06	0.4	0.005	41	0.8

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW-3	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	20.00 feet		Oakland, California
Top of Casing Elevation:	77.92 feet	**Date:**	February 1, 2010
Depth to Groundwater:	9.88 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	68.04 feet		Jesse Acedillo
Water Column Height:	10.12 feet		
Purged Volume:	0.75 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑	Geotech	
Sampling Method:	**Bailer** ☐	**Pump** ☑		
Color:	**No** ☐	**Yes** ☑	**Describe:**	Slightly Cloudy
Sheen:	**No** ☑	**Yes** ☐	**Describe:**	
Odor:	**No** ☑	**Yes** ☐	**Describe:**	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
13:21	Started purging well						
13:22	0.25	6.28	18.57	1.51	522	33.9	+117.2
13:23	0.50	6.09	17.07	1.23	489	31.0	+125.9
13:24	0.75	6.08	17.73	0.99	469	21.5	+126.5
13:29	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
13:44	0.24	1.37	0.3	0.012	26	1.3

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW-4	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	12.00 feet		Oakland, California
Top of Casing Elevation:	82.37 feet	**Date:**	February 1 , 2010
Depth to Groundwater:	7.84 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	74.53 feet		Jesse Acedillo
Water Column Height:	4.16 feet		
Purged Volume:	0.75 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑ Geotech			
Sampling Method:	**Bailer** ☐	**Pump** ☑			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Slightly Cloudy	
Sheen:	**No** ☑	**Yes** ☐	**Describe:**		
Odor:	**No** ☑	**Yes** ☐	**Describe:**		

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:04	0.25	6.27	14.03	1.29	381	21.4	+33.4
11:08	0.50	6.01	13.76	1.03	383	28.9	-2.4
11:10	0.75	6.02	13.59	0.97	398	46.8	-21.0
11:15	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
1130	3.30	3.30	1.8	0.019	24.0	5.8

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW-5	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	81.01 feet	**Date:**	February 1, 2010
Depth to Groundwater:	9.93 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	71.08 feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

not purged

Purging Method:	**Bailer** ☐		**Pump** ☐		
Sampling Method:	**Bailer** ☐		**Pump** ☐	Not sampled	
Color:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐		**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW-6A	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	81.61 feet	**Date:**	February 1, 2010
Depth to Groundwater:	13.58 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	68.03 feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐		**Pump** ☐		
Sampling Method:	**Bailer** ☐		**Pump** ☐	Not sampled	
Color:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐		**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐		**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MW-8	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	87.44 feet	**Date:**	February 1, 2010
Depth to Groundwater:	8.95 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	78.49 feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not Sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MW-9	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	— feet		Oakland, California
Top of Casing Elevation:	86.56 feet	**Date:**	February 1, 2010
Depth to Groundwater:	8.85 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	77.71 feet		Jesse Acedillo
Water Column Height:	— feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MW-11	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.00 feet		Oakland, California
Top of Casing Elevation:	84.13 feet	**Date:**	February 1, 2010
Depth to Groundwater:	12.60 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	71.53 feet		Jesse Acedillo
Water Column Height:	6.40 feet		
Purged Volume:	4 gallons		

Purging Method:	**Bailer**	☐	**Pump**	☑	
Sampling Method:	**Bailer**	☑	**Pump**	☐	
Color:	**No**	☑	**Yes**	☐	**Describe:** _____
Sheen:	**No**	☑	**Yes**	☐	**Describe:** _____
Odor:	**No**	☑	**Yes**	☐	**Describe:** _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
14:54	Started purging well						
14:55	2	6.19	19.03	1.42	990	26.5	+87.2
14:56	4	6.16	18.93	1.29	1001	20.2	+1048
15:01	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
15:16	0.03	0.15	0.2	0.005	80	0.0

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	LFR-1	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.00 feet		Oakland, California
Top of Casing Elevation:	79.97 feet	**Date:**	February 1, 2010
Depth to Groundwater:	9.59 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	70.38 feet		Jesse Acedillo
Water Column Height:	9.41 feet		
Purged Volume:	6 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Cloudy	
Sheen:	**No** ☑	**Yes** ☐	**Describe:**		
Odor:	**No** ☑	**Yes** ☐	**Describe:**		

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
14:25	Started purging well						
14:26	2	6.31	16.38	0.75	425	12.1	+109.3
14:27	4	5.97	16.96	0.63	490	36.1	+123.1
14:28	6	5.95	17.43	0.48	510	146	+124.5
14:33	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
14:47	0.41	0.89	0.6	0.000	31	0.8

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	LFR-2	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.00 feet		Oakland, California
Top of Casing Elevation:	81.89 feet	**Date:**	February 1, 2010
Depth to Groundwater:	9.58 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	72.31 feet		Jesse Acedillo
Water Column Height:	9.42 feet		
Purged Volume:	6 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Cloudy	
Sheen:	**No** ☐	**Yes** ☑	**Describe:**	Rainbow Sheen	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Chemical Odor	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:40	Started purging well						
11:41	2	6.35	17.41	0.55	~~78~~449	78.0	+8.8
11:42	4	6.13	17.62	0.42	800	999	+3.2
11:43	6	6.12	17.76	0.37	836	999	-18.9
11:48	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:05	3.30	3.30	0	0.0	0	21.4

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	LFR-3	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	22.00 feet		Oakland, California
Top of Casing Elevation:	77.96 feet	**Date:**	February 1, 2010
Depth to Groundwater:	12.39 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	65.57 feet		Jesse Acedillo
Water Column Height:	9.61 feet		
Purged Volume:	6 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Cloudy	
Sheen:	**No** ☑	**Yes** ☐	**Describe:**		
Odor:	**No** ☑	**Yes** ☐	**Describe:**		

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
12:21	Started purging well						
12:22	2	6.15	18.88	0.61	504	40.8	+80.6
12:23	4	5.85	19.24	0.49	503	49.9	+97.0
12:24	6	5.84	19.57	0.32	554	78.1	+101.8
12:29	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:44	0.37	2.13	1.3	0.009	44.0	1.3

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	LFR-4	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.30 feet		Oakland, California
Top of Casing Elevation:	81.65 feet	**Date:**	February 1, 2010
Depth to Groundwater:	NM feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	NC feet		Jesse Acedillo
Water Column Height:	NC feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes: Unable to access LFR-4 due to a car parked over the well both days.

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SOMA-1	**Project #:**	2511
Casing Diameter:	4 inch	**Address:**	3815 Broadway
Depth of Well:	40.00 feet		Oakland, California
Top of Casing Elevation:	81.64 feet	**Date:**	February 2, 2010
Depth to Groundwater:	16.04 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	65.60 feet		Jesse Acedillo
Water Column Height:	23.96 feet		
Purged Volume:	18 gallons		

Purging Method:	**Bailer** ☐		**Pump** ☑		
Sampling Method:	**Bailer** ☑		**Pump** ☐		
Color:	**No** ☑		**Yes** ☐	**Describe:**	
Sheen:	**No** ☑		**Yes** ☐	**Describe:**	
Odor:	**No** ☐		**Yes** ☑	**Describe:**	Slight Chemical Odor

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
09:04	Started purging well						
09:05	2	6.14	19.48	1.29	1120	10.3	+93.2
09:07	6	5.81	17.65	1.07	1091	9.42	+83.9
09:09	10	5.79	17.61	0.89	1093	8.46	+79.9
09:11	14	5.79	17.66	0.75	1091	7.96	+78.4
09:13	18	5.80	17.64	0.63	1088	6.60	+78.9
09:18	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
09:32	0.0	0.03	0.6	0.003	20.0	3.0

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SOMA-2	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	20.00 feet		Oakland, California
Top of Casing Elevation:	84.38 feet	**Date:**	February 2, 2010
Depth to Groundwater:	11.91 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	72.74 feet		Jesse Acedillo
Water Column Height:	8.09 feet		
Purged Volume:	4 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Black	
Sheen:	**No** ☐	**Yes** ☑	**Describe:**	Rainbow Sheen	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Strong Petro/Chem.	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:04	Started purging well						
11:05	2	6.15	18.41	0.75	1155	101	-81.0
11:06	4	6.13	18.01	0.63	1150	186	-45.4
11:11	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
11:26	3.30	3.30	6.0	0.000	0	9.6

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SOMA-3	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	30.00 feet		Oakland, California
Top of Casing Elevation:	81.42 feet	**Date:**	February 2, 2010
Depth to Groundwater:	13.81 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	67.61 feet		Jesse Acedillo
Water Column Height:	16.19 feet		
Purged Volume:	1.50 gallons		

Purging Method:	**Bailer**	☑	**Pump**	☐	
Sampling Method:	**Bailer**	☑	**Pump**	☐	
Color:	**No**	☐	**Yes**	☑	**Describe:** Cloudy
Sheen:	**No**	☑	**Yes**	☐	**Describe:**
Odor:	**No**	☑	**Yes**	☐	**Describe:**

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:34	Started purging well						
11:39	0.50	6.05	15.98	1.98	1152	196	+12.3
11:45	1.00	6.03	15.61	1.75	1197	485	+9.9
11:51	1.50	6.01	17.32	1.22	1185	575	+9.5
11:56	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:11	1.61	3.30	0.0	0.000	22	6.4

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SOMA-4R	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.54 feet		Oakland, California
Top of Casing Elevation:	83.95 feet	**Date:**	February 2, 2010
Depth to Groundwater:	12.29 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	71.66 feet		Jesse Acedillo
Water Column Height:	7.25 feet		
Purged Volume:	4 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Gray	
Sheen:	**No** ☐	**Yes** ☑	**Describe:**	Rainbow Sheen	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Chemical Odor	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
13:05	Started purging well						
13:06	2	6.06	18.09	0.53	1632	688	-107.7
13:07	4	6.04	18.61	0.39	1573	741	-134.7
13:12	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
13:28	3.30	3.30	0	0	35	12.4

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SOMA-5	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	25.60 feet		Oakland, California
Top of Casing Elevation:	81.50 feet	**Date:**	February 1, 2010
Depth to Groundwater:	24.52 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	56.98 feet		Jesse Acedillo
Water Column Height:	1.08 feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	**Bailer** ☐	**Pump** ☐		
Sampling Method:	**Bailer** ☐	**Pump** ☐	Not sampled	
Color:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Sheen:	**No** ☐	**Yes** ☐	**Describe:**	Unknown
Odor:	**No** ☐	**Yes** ☐	**Describe:**	Unknown

Field Measurements:

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

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

Notes: Insufficient water in well for field measurements or samples.

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MPE-1	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.82 feet		Oakland, California
Top of Casing Elevation:	84.41 feet	**Date:**	February 2, 2010
Depth to Groundwater:	9.66 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	74.75 feet		Jesse Acedillo
Water Column Height:	10.16 feet		
Purged Volume:	6 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Light yellowish	
Sheen:	**No** ☑	**Yes** ☐	**Describe:**		
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Musty	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
10:01	Started purging well						
10:02	2	6.27	16.23	0.69	666	189	+48.7
10:03	4	5.96	16.31	0.63	695	37.1	+56.4
10:04	6	5.94	16.73	0.57	672	49.5	+7.7
10:09	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
10:34	0.52	3.30	0.0	0.000	80	19.7

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MPE-2	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.00 feet		Oakland, California
Top of Casing Elevation:	84.66 feet	**Date:**	February 1 , 2010
Depth to Groundwater:	10.89 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	73.77 feet		Jesse Acedillo
Water Column Height:	8.11 feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	Bailer ☐		Pump ☐		
Sampling Method:	Bailer ☐		Pump ☐	Not sampled	
Color:	No ☐		Yes ☐	**Describe:**	Unknown
Sheen:	No ☐		Yes ☑	**Describe:**	Free Product
Odor:	No ☐		Yes ☑	**Describe:**	Strong chem/Petro odor

Field Measurements:

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

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

Notes: 0.24 feet of free product
F.P. Depth = 10.65 ft.

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MPE-3	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.32 feet		Oakland, California
Top of Casing Elevation:	84.87 feet	**Date:**	February 1, 2010
Depth to Groundwater:	9.31 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	75.56 feet		Jesse Acedillo
Water Column Height:	10.01 feet		
Purged Volume:	— gallons		

Not purged

Purging Method:	Bailer ☐		Pump ☐		
Sampling Method:	Bailer ☐		Pump ☐	Not sampled	
Color:	No ☐		Yes ☐	**Describe:**	Unknown
Sheen:	No ☐		Yes ☑	**Describe:**	Free Product
Odor:	No ☐		Yes ☑	**Describe:**	Strong Chem/Petro odor

Field Measurements:

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

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

Notes: 0.34 feet of free product
F.P. Depth = 8.97 ft.

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MPE-4	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	18.56 feet		Oakland, California
Top of Casing Elevation:	84.45 feet	**Date:**	February 2, 2010
Depth to Groundwater:	9.12 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	75.33 feet		Jesse Acedillo
Water Column Height:	9.44 feet		
Purged Volume:	4 gallons		

Purging Method:	**Bailer** ☐		**Pump** ☑		
Sampling Method:	**Bailer** ☑		**Pump** ☐		
Color:	**No** ☐	**Yes** ☑	**Describe:**	Dark gray	
Sheen:	**No** ☐	**Yes** ☑	**Describe:**	Rainbow Sheen	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Chemical / Petro Odor	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
13:33	Started purging well						
13:34	2	6.38	16.35	0.57	1219	183	-99.3
13:35	4	6.33	16.74	0.42	1279	999	-81.4
13:40	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
13:55	2.74	3.30	0.0	0.0	5.0	8.7

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MPE-5	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.53 feet		Oakland, California
Top of Casing Elevation:	84.64 feet	**Date:**	February 2, 2010
Depth to Groundwater:	8.49 feet	**Sampler:**	Lizzie Hightower
Groundwater Elevation:	76.15 feet		Jesse Acedillo
Water Column Height:	11.04 feet		
Purged Volume:	6 gallons		

Purging Method:	**Bailer** ☐	**Pump** ☑			
Sampling Method:	**Bailer** ☑	**Pump** ☐			
Color:	**No** ☐	**Yes** ☑	**Describe:**	Gray	
Sheen:	**No** ☐	**Yes** ☑	**Describe:**	Rainbow	
Odor:	**No** ☐	**Yes** ☑	**Describe:**	Chemical/Petro odor	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
14:00	Started purging well						
14:01	2	6.39	16.04	0.75	1095	282	-83.4
14:02	4	6.19	16.38	0.61	1089	999	-82.9
14:03	6	6.16	16.46	0.48	1078	999	-80.7
14:08	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
14:23	3.30	~~3.30~~ 3.30	D	0.0	18.0	46.7

Notes:

APPENDIX C

Chain of Custody Forms and Laboratory Reports

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

Laboratory Job Number 218094
ANALYTICAL REPORT

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

Project : 2511
Location : 3820 Manila Ave., Oakland, CA
Level : II

Sample ID	Lab ID
GW-2	218094-001
GW-3	218094-002
GW-4	218094-003
MW-11	218094-004
LFR-1	218094-005
LFR-2	218094-006
LFR-3	218094-007
SOMA-1	218094-008
SOMA-2	218094-009
SOMA-3	218094-010
SOMA-4R	218094-011
B-8R	218094-012
B-10R	218094-013
MPE-1	218094-014
MPE-4	218094-015
MPE-5	218094-016

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

Signature: Trig Bolton Date: 02/10/2010
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**218094**
Client:	**SOMA Environmental Engineering Inc.**
Project:	**2511**
Location:	**3820 Manila Ave., Oakland, CA**
Request Date:	**02/02/10**
Samples Received:	**02/02/10**

This data package contains sample and QC results for sixteen water samples, requested for the above referenced project on 02/02/10. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recoveries were observed for bromofluorobenzene (FID) in a number of samples; the corresponding trifluorotoluene (FID) surrogate recoveries were within limits. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Dissolved Gases by GC/FID (RSK-175):
No analytical problems were encountered.

CHAIN OF CUSTODY

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

C&T LOGIN # 218074

Sampler: Lizzie Hightower/ Jesse Acedillo

Project No: 2511

Report To: Joyce Bobek

Project Name: 3820 Manila Ave., Oakland, CA

Company : SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analyses: TPHg (including Stoddard Solvent) 8015	Analyses:	Analyses: 8260 (Full List) → 8260.4	Analyses: Methane → RSK-175 (methane)
1	GW-2	2/1/10 13:57		*		9-40ml VOAs	*			*	*		*	*
2	GW-3	2/1/10 13:29		*		9-40ml VOAs	*			*	*		*	*
3	GW-4	2/1/10 11:15		*		9-40ml VOAs	*			*	*		*	*
4	MW-11	2/1/10 15:01		*		9-40ml VOAs	*			*	*		*	*
5	LFR-1	2/1/10 14:33		*		9-40ml VOAs	*			*	*		*	*
6	LFR-2	2/1/10 11:48		*		9-40ml VOAs	*			*	*		*	*
7	LFR-3	2/1/10 12:29		*		9-40ml VOAs	*			*	*		*	*
~~—~~	~~LFR-4~~			*		~~9-40ml VOAs~~	*			*	*		*	*
8	SOMA-1	2/2/10 09:18		*		9-40ml VOAs	*			*	*		*	*
9	SOMA-2	2/2/10 11:11		*		9-40ml VOAs	*			*	*		*	*
10	SOMA-3	2/2/10 11:56		*		9-40ml VOAs	*			*	*		*	*
11	SOMA-4R	2/2/10 13:12		*		9-40ml VOAs	*			*	*		*	*
~~—~~	~~SOMA-5~~			*		~~9-40ml VOAs~~	*			*	*		*	*
12	B-8R	2/2/10 14:35		*		9-40ml VOAs	*			*	*		*	*

Notes:

EDF Output required
8260B List to include gasoline oxygenates & lead scavengers, BTEX, MtBE

RELINQUISHED BY:

E Hightower 2/2/10 15:58 DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

2/2/10 15:58 DATE/TIME

DATE/TIME

DATE/TIME

Received on ice. MES 2/2/10

CHAIN OF CUSTODY

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

C&T LOGIN # 218094

Sampler: Lizzie Hightower/ Jesse Acedillo

Project No: 2511

Report To: Joyce Bobek

Project Name: 3820 Manila Ave., Oakland, CA

Company : SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Analyses

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	TPHg (including Stoddard Solvent) 8015		8260 (Full List)	Methane
13	B-10R	2/2/10 10:41		*		9-40ml VOAs	*			*	*		*	*
14	MPE-1	2/2/10 10:09		*		9-40ml VOAs	*			*	*		*	*
	~~MPE-2~~			*		~~9-40ml VOAs~~	*			*	*		*	*
	~~MPE-3~~			*		9-40ml VOAs	*			*	*		*	*
15	MPE-4	2/2/10 13:40		*		9-40ml VOAs	*			*	*		*	*
16	MPE-5	2/2/10 14:08		*		9-40ml VOAs	*			*	*		*	*

Notes:

EDF Output required
8260B List to include gasoline oxygenates & lead scavengers, BTEX, MtBE

RELINQUISHED BY:	RECEIVED BY:
E. Hylton 2/2/10 15:58 DATE/TIME	2/2/10 15:58 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Received on ICE MS 2/2/10

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 218094 Date Received 2-2 Number of coolers 1
Client SOMA Environmental Project 3820 Manila Ave.

Date Opened 2-2 By (print) Elias Tsadik (sign) Elias Tsadik
Date Logged in ↓ By (print) ↓ (sign) ↓

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

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Received:	02/02/10
Units:	ug/L		

Field ID:	GW-2	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-001	Analyzed:	02/05/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	48-162
Bromofluorobenzene (FID)	107	52-158

Field ID:	GW-3	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-002	Analyzed:	02/05/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	48-162
Bromofluorobenzene (FID)	106	52-158

Field ID:	GW-4	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-003	Analyzed:	02/05/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	420 Y	50
Stoddard Solvent C7-C12	250	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	48-162
Bromofluorobenzene (FID)	160 *	52-158

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

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Received:	02/02/10
Units:	ug/L		

Field ID:	MW-11	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-004	Analyzed:	02/05/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	48-162
Bromofluorobenzene (FID)	110	52-158

Field ID:	LFR-1	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-005	Analyzed:	02/05/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	51 Y	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	48-162
Bromofluorobenzene (FID)	105	52-158

Field ID:	LFR-2	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-006	Analyzed:	02/06/10
Diln Fac:	50.00		

Analyte	Result	RL
Gasoline C7-C12	160,000 Y	2,500
Stoddard Solvent C7-C12	100,000	2,500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	48-162
Bromofluorobenzene (FID)	297 *	52-158

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

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Received:	02/02/10
Units:	ug/L		

Field ID:	LFR-3	Batch#:	159816
Type:	SAMPLE	Sampled:	02/01/10
Lab ID:	218094-007	Analyzed:	02/06/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	48-162
Bromofluorobenzene (FID)	114	52-158

Field ID:	SOMA-1	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-008	Analyzed:	02/06/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	51 Y	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	48-162
Bromofluorobenzene (FID)	98	52-158

Field ID:	SOMA-2	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-009	Analyzed:	02/06/10
Diln Fac:	200.0		

Analyte	Result	RL
Gasoline C7-C12	700,000 Y	10,000
Stoddard Solvent C7-C12	430,000	10,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	48-162
Bromofluorobenzene (FID)	238 *	52-158

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

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Received:	02/02/10
Units:	ug/L		

Field ID:	SOMA-3	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-010	Analyzed:	02/06/10
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	440 Y	50
Stoddard Solvent C7-C12	270	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	48-162
Bromofluorobenzene (FID)	139	52-158

Field ID:	SOMA-4R	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-011	Analyzed:	02/06/10
Diln Fac:	20.00		

Analyte	Result	RL
Gasoline C7-C12	34,000 Y	1,000
Stoddard Solvent C7-C12	21,000	1,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	48-162
Bromofluorobenzene (FID)	190 *	52-158

Field ID:	B-8R	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-012	Analyzed:	02/06/10
Diln Fac:	10.00		

Analyte	Result	RL
Gasoline C7-C12	13,000 Y	500
Stoddard Solvent C7-C12	8,200	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	48-162
Bromofluorobenzene (FID)	155	52-158

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

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Received:	02/02/10
Units:	ug/L		

Field ID:	B-10R	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-013	Analyzed:	02/06/10
Diln Fac:	20.00		

Analyte	Result	RL
Gasoline C7-C12	15,000 Y	1,000
Stoddard Solvent C7-C12	9,300	1,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	48-162
Bromofluorobenzene (FID)	141	52-158

Field ID:	MPE-1	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-014	Analyzed:	02/06/10
Diln Fac:	100.0		

Analyte	Result	RL
Gasoline C7-C12	ND	5,000
Stoddard Solvent C7-C12	ND	5,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	48-162
Bromofluorobenzene (FID)	105	52-158

Field ID:	MPE-4	Batch#:	159816
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-015	Analyzed:	02/06/10
Diln Fac:	20.00		

Analyte	Result	RL
Gasoline C7-C12	2,200 Y	1,000
Stoddard Solvent C7-C12	1,300	1,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	48-162
Bromofluorobenzene (FID)	109	52-158

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

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Received:	02/02/10
Units:	ug/L		

Field ID:	MPE-5	Batch#:	159894
Type:	SAMPLE	Sampled:	02/02/10
Lab ID:	218094-016	Analyzed:	02/09/10
Diln Fac:	20.00		

Analyte	Result	RL
Gasoline C7-C12	47,000 Y	1,000
Stoddard Solvent C7-C12	29,000	1,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	48-162
Bromofluorobenzene (FID)	182 *	52-158

Type:	BLANK	Batch#:	159816
Lab ID:	QC531713	Analyzed:	02/05/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	48-162
Bromofluorobenzene (FID)	108	52-158

Type:	BLANK	Batch#:	159894
Lab ID:	QC532033	Analyzed:	02/09/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	85	48-162
Bromofluorobenzene (FID)	81	52-158

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC531714	Batch#:	159816
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,077	108	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	138	48-162
Bromofluorobenzene (FID)	111	52-158

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Field ID:	GW-2	Batch#:	159816
MSS Lab ID:	218094-001	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	1.000		

Type: MS Lab ID: QC531715

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	25.87	2,000	1,862	92	49-129

Surrogate	%REC	Limits
Trifluorotoluene (FID)	138	48-162
Bromofluorobenzene (FID)	122	52-158

Type: MSD Lab ID: QC531716

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,875	92	49-129	1	19

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	48-162
Bromofluorobenzene (FID)	121	52-158

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC532034	Batch#:	159894
Matrix:	Water	Analyzed:	02/09/10
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,080	108	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	144	48-162
Bromofluorobenzene (FID)	111	52-158

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	159894
MSS Lab ID:	218192-002	Sampled:	02/05/10
Matrix:	Water	Received:	02/05/10
Units:	ug/L	Analyzed:	02/09/10
Diln Fac:	1.000		

Type: MS Lab ID: QC532035

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	14.22	2,000	2,141	106	49-129

Surrogate	%REC	Limits
Trifluorotoluene (FID)	140	48-162
Bromofluorobenzene (FID)	109	52-158

Type: MSD Lab ID: QC532036

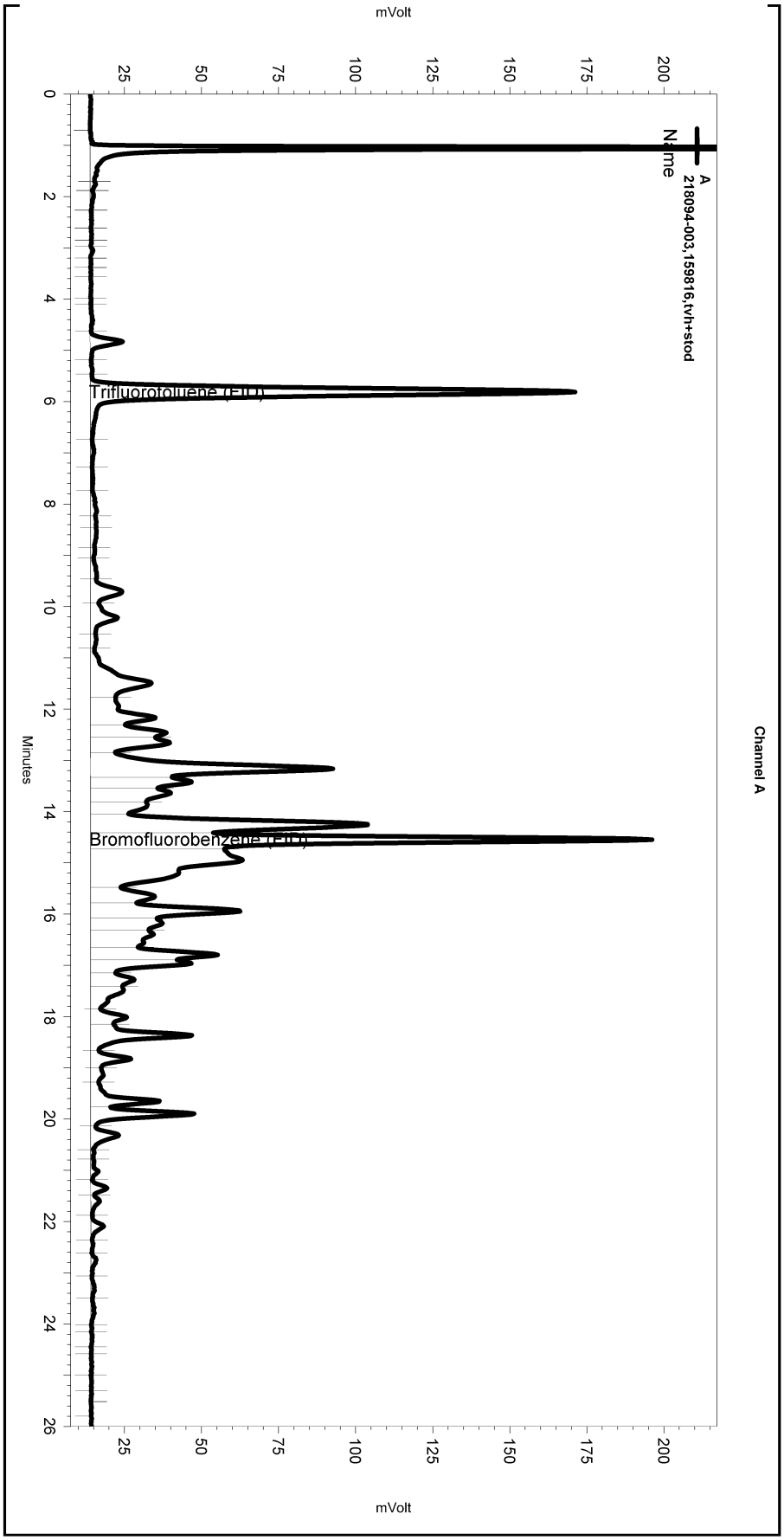
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,118	105	49-129	1	19

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	48-162
Bromofluorobenzene (FID)	104	52-158

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-003,159816,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_017**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/5/2010 7:19:00 PM
Analysis Date: 2/8/2010 3:26:35 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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Integration Events

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

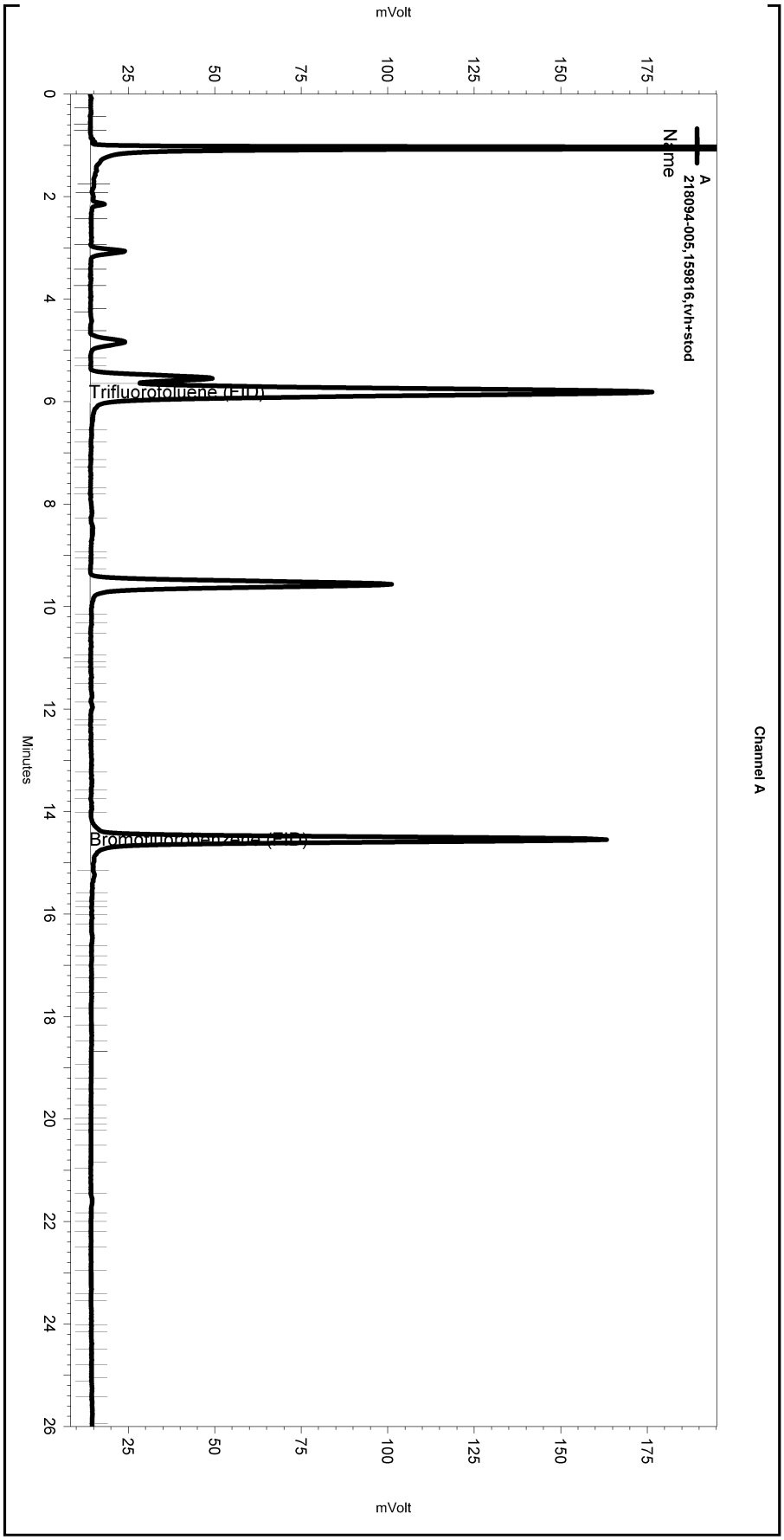
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_017

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

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-005,159816,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_024**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/5/2010 11:42:24 PM
Analysis Date: 2/8/2010 3:27:26 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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Integration Events

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

Manual Integration Fixes

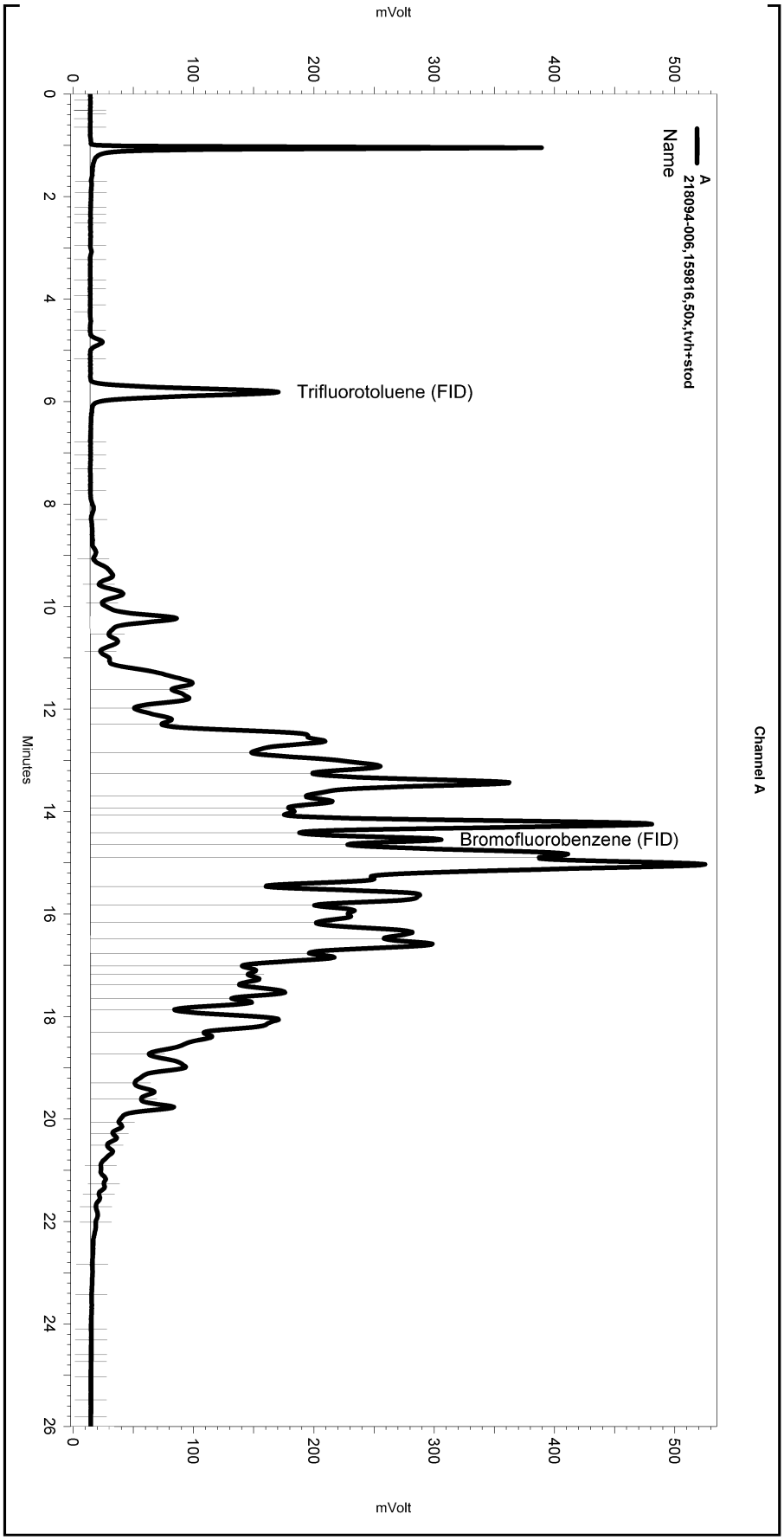
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_024

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-006,159816,50x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_025**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 12:19:57 AM
Analysis Date: 2/8/2010 3:27:33 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0, hs<=1mL



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Integration Events

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

Manual Integration Fixes

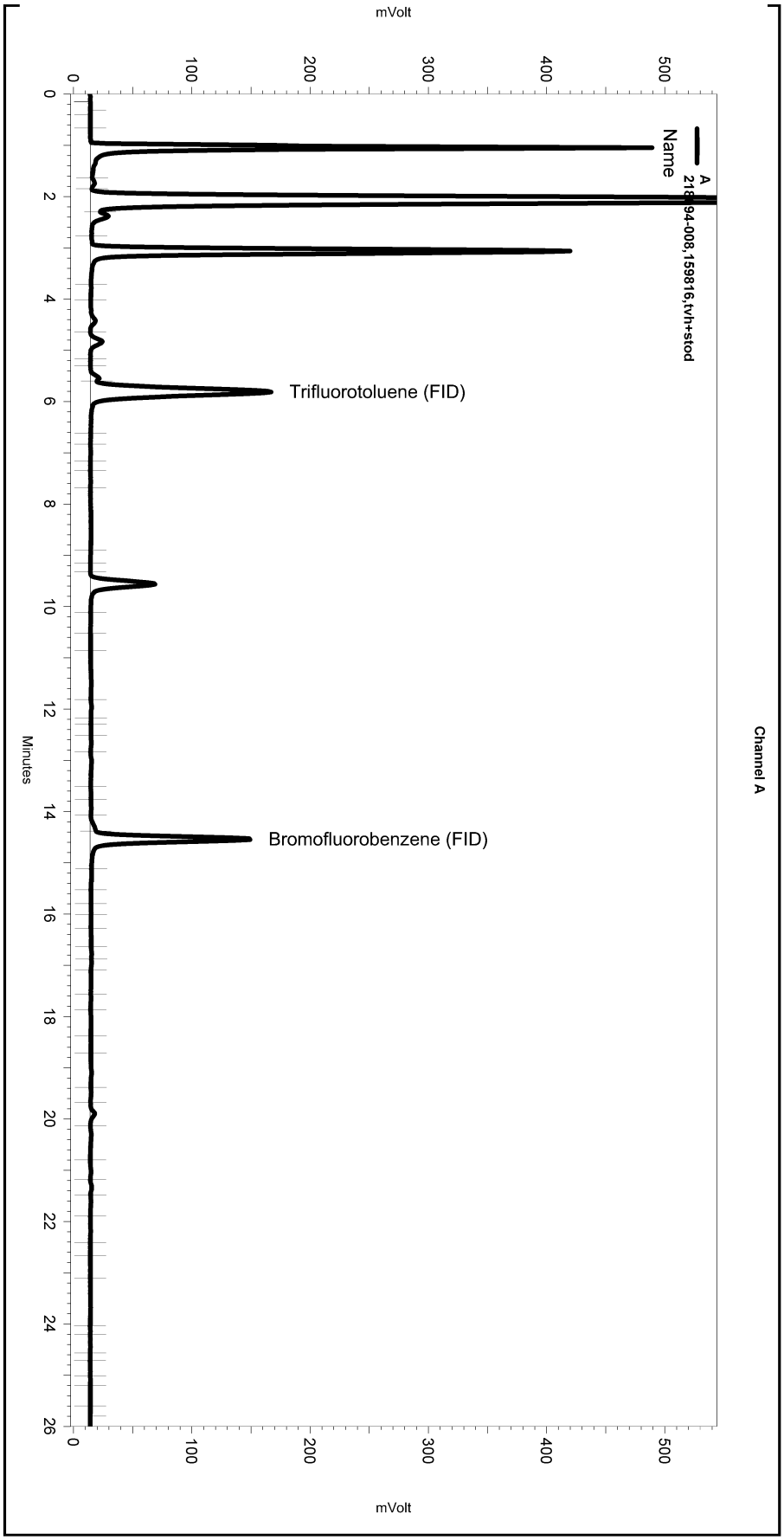
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_025

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-008,159816,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_027**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 1:35:04 AM
Analysis Date: 2/8/2010 3:27:49 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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Integration Events

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

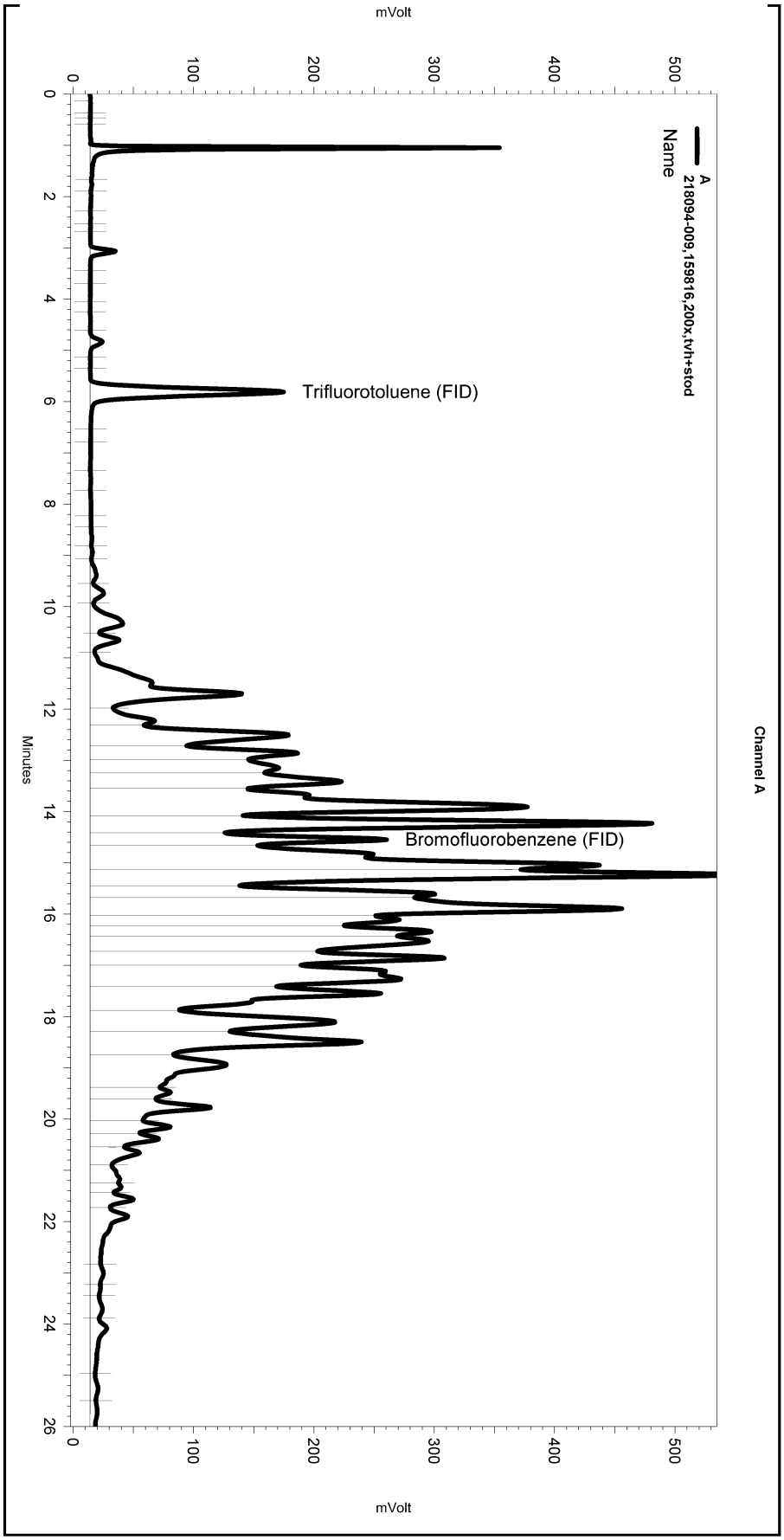
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_027

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.601	0	0
Yes	Split Peak	14.38	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-009,159816,200x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_028**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 2:12:43 AM
Analysis Date: 2/8/2010 3:27:57 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0, hs<=1mL



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Integration Events

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

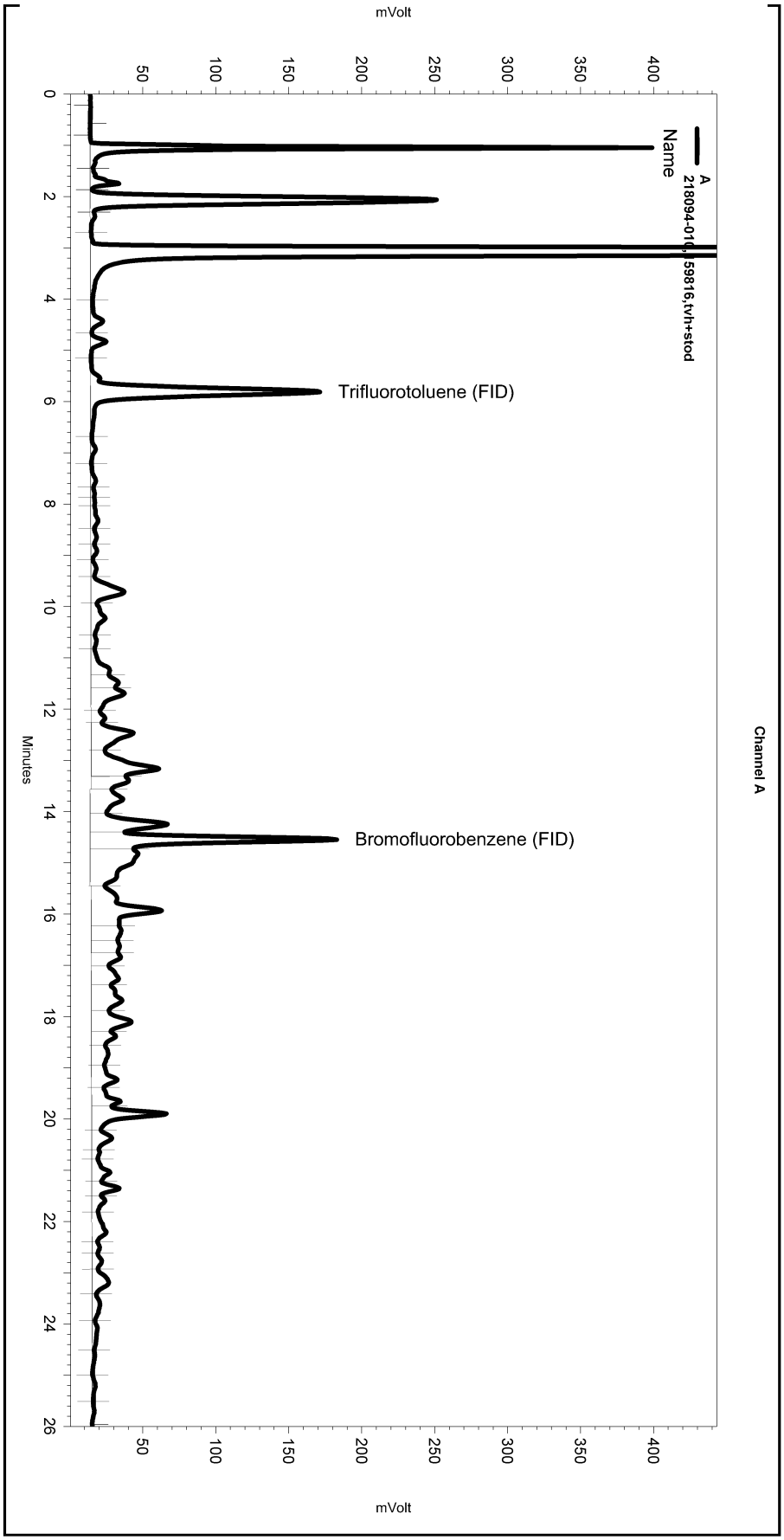
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_028

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

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-010,159816,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_029**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 2:50:22 AM
Analysis Date: 2/8/2010 3:28:04 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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Integration Events

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

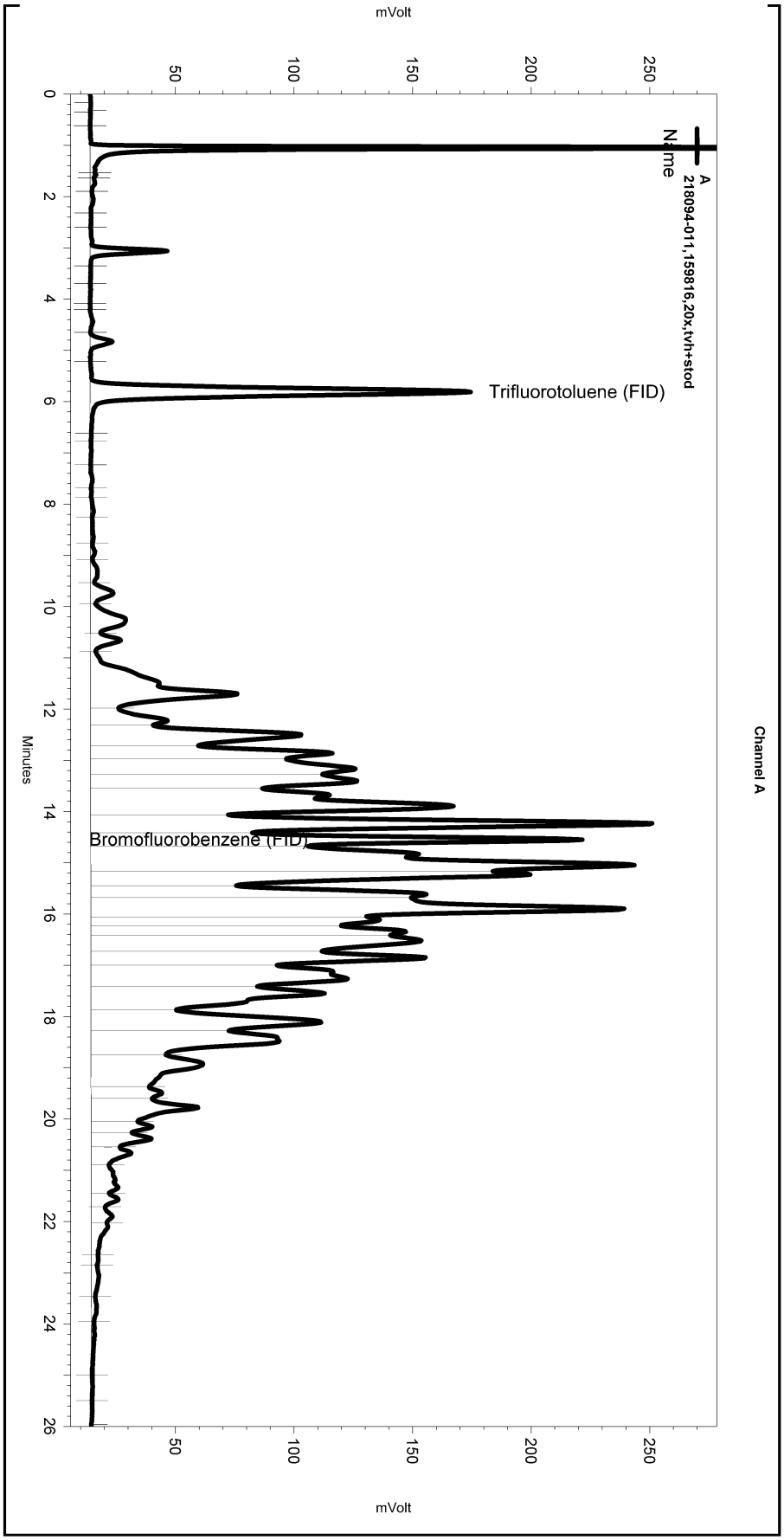
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_029

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	13.559	15.806	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-011,159816,20x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_030**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 3:27:59 AM
Analysis Date: 2/8/2010 3:28:12 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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Integration Events

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

Manual Integration Fixes

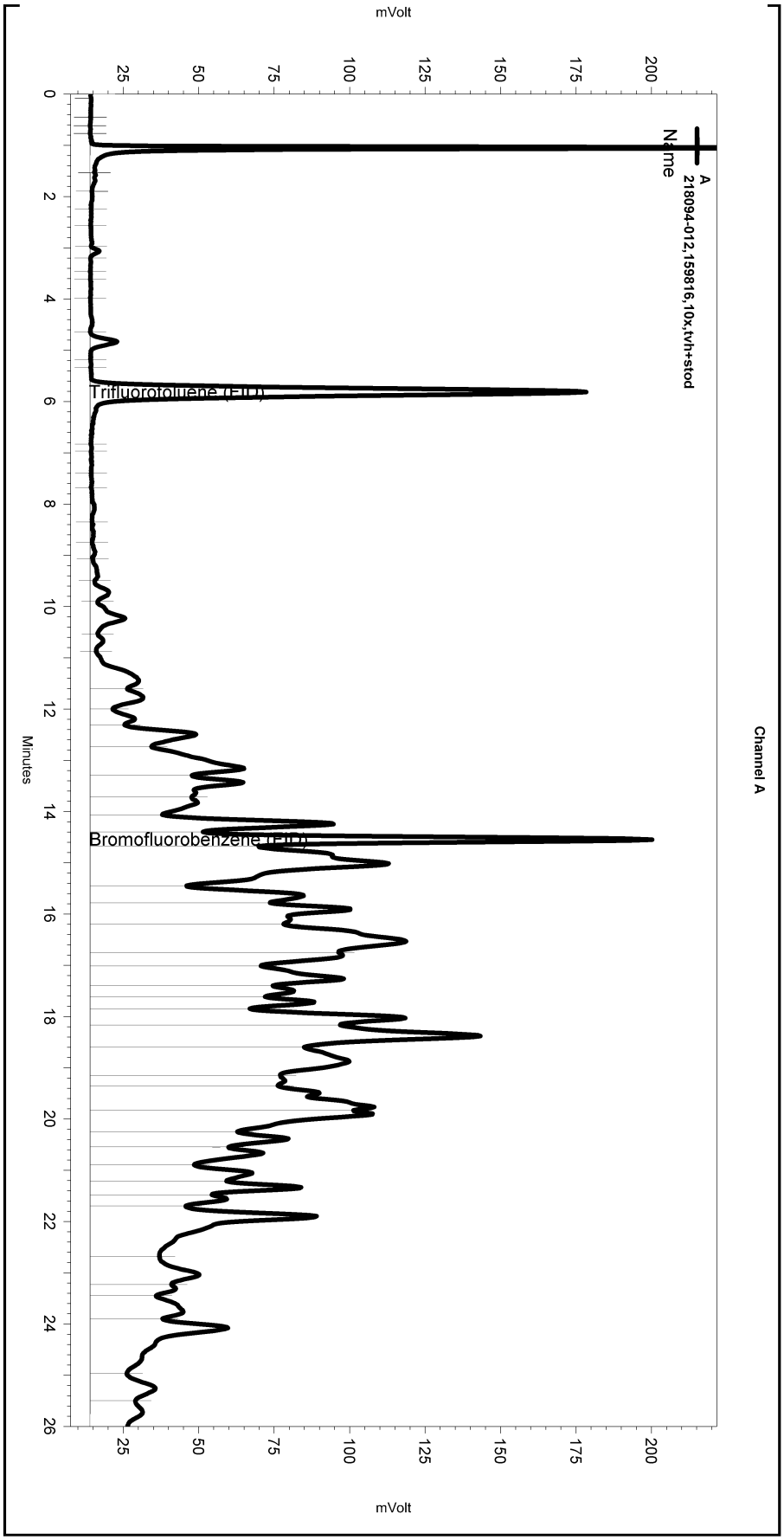
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_030

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-012,159816,10x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_031**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 4:05:36 AM
Analysis Date: 2/8/2010 3:28:19 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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Integration Events

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

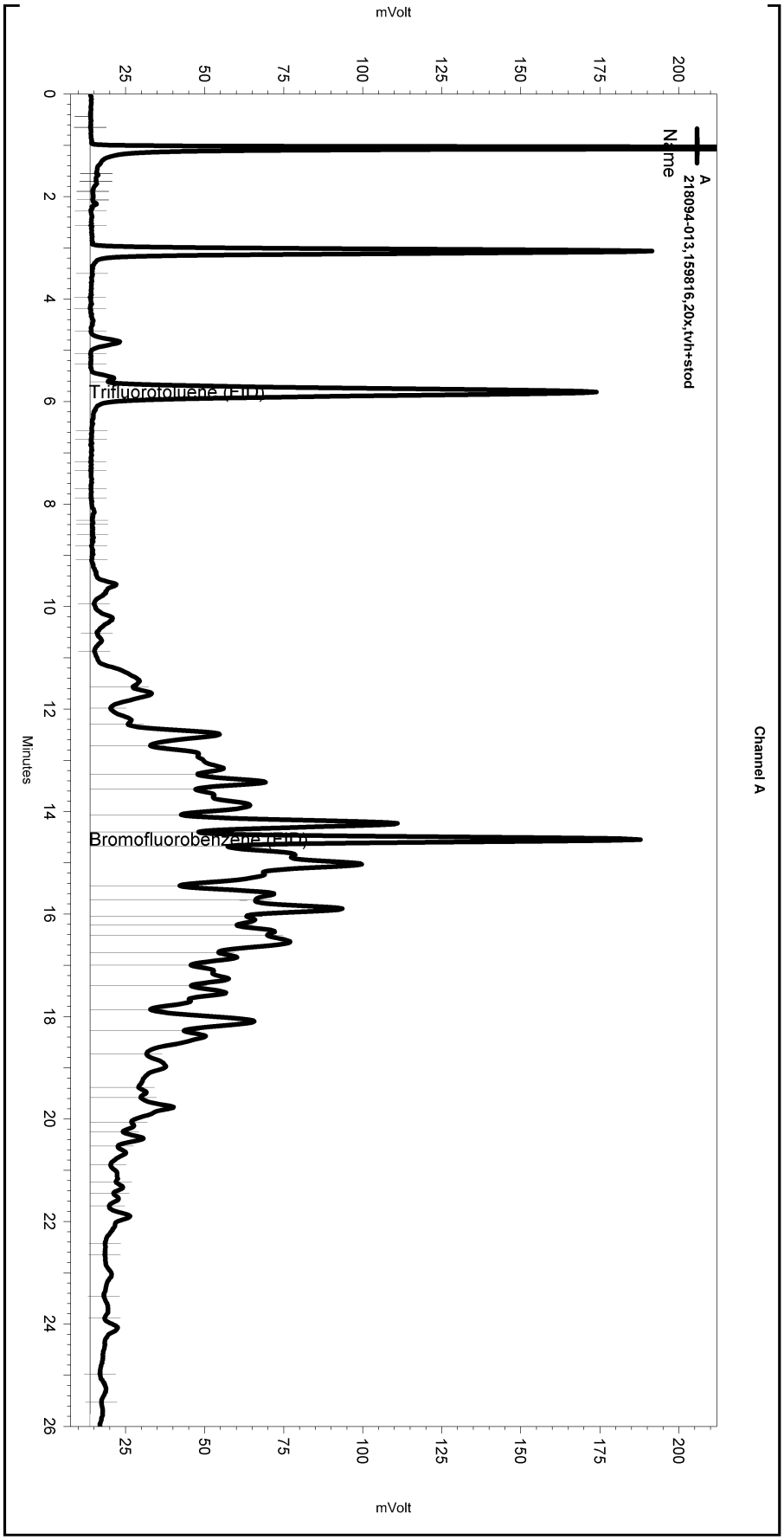
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_031

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

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-013,159816,20x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_032**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 4:43:10 AM
Analysis Date: 2/8/2010 3:28:27 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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Integration Events

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

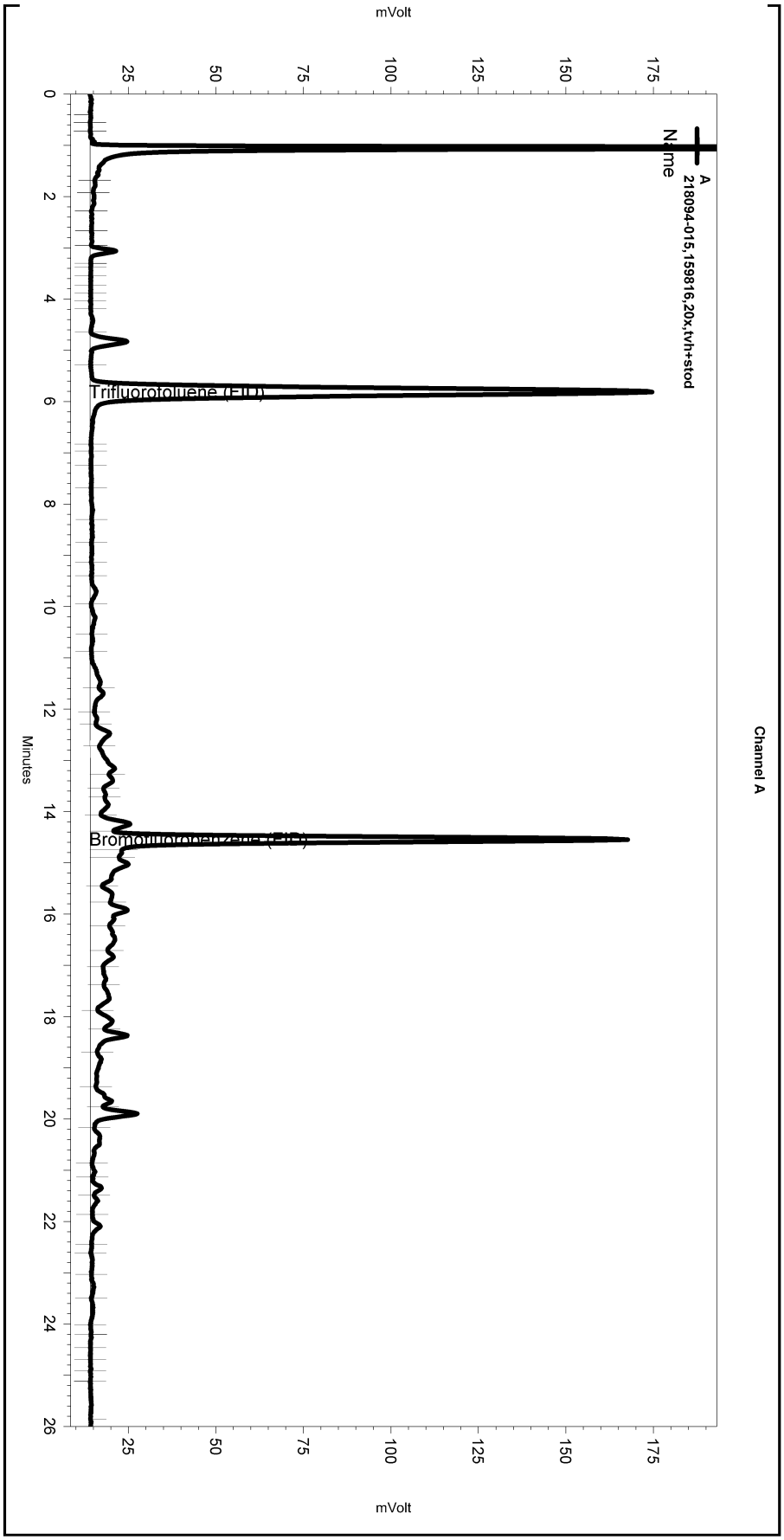
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_032

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	5.616	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **218094-015,159816,20x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_039**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/6/2010 9:06:13 AM
Analysis Date: 2/8/2010 3:29:19 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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Integration Events

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

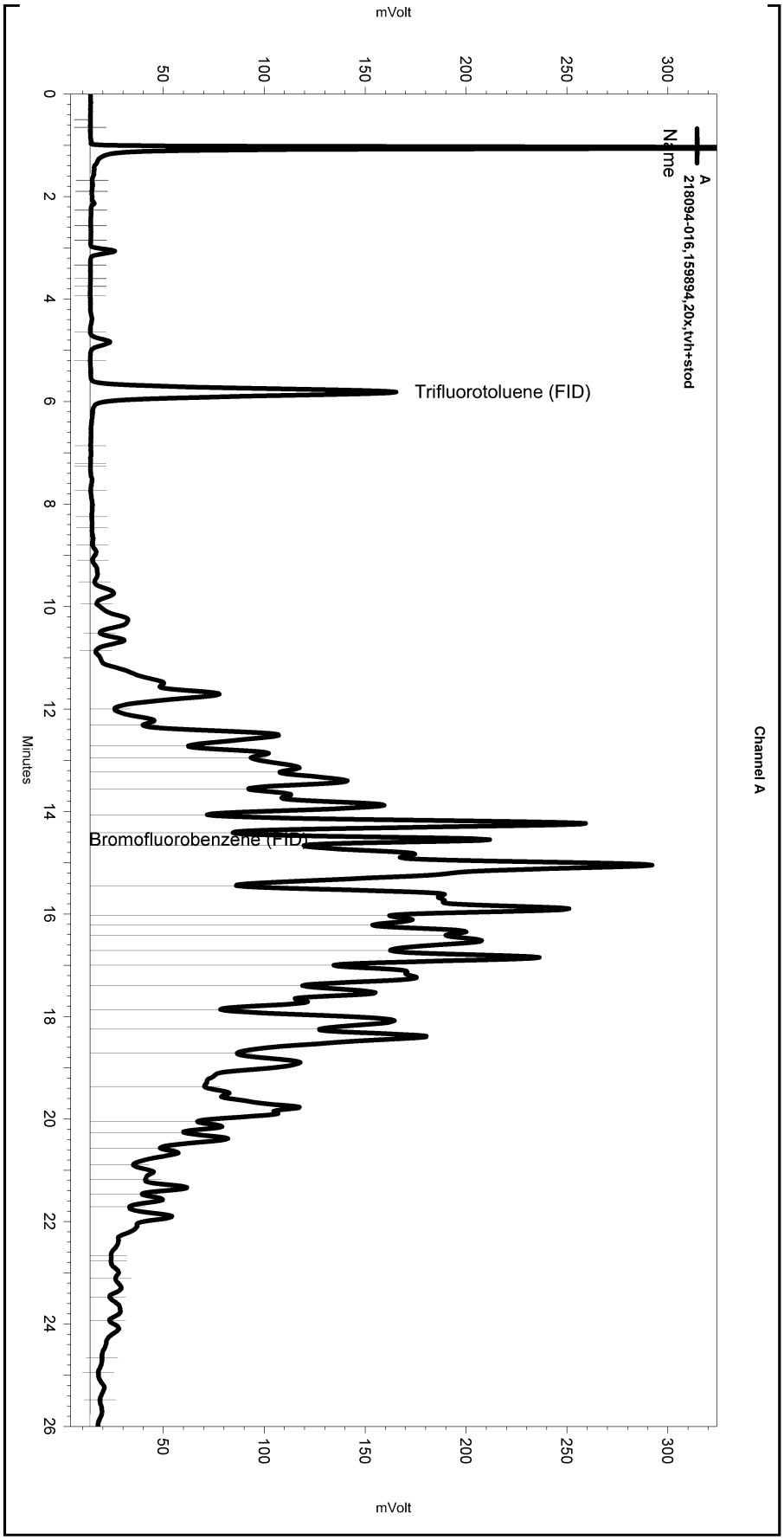
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\036_039

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	14.755	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\040.seq**
Sample Name: **218094-016,159894,20x,tvh+stod**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\040_007**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/9/2010 1:21:39 PM
Analysis Date: 2/10/2010 11:05:06 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: f1.0



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Integration Events

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

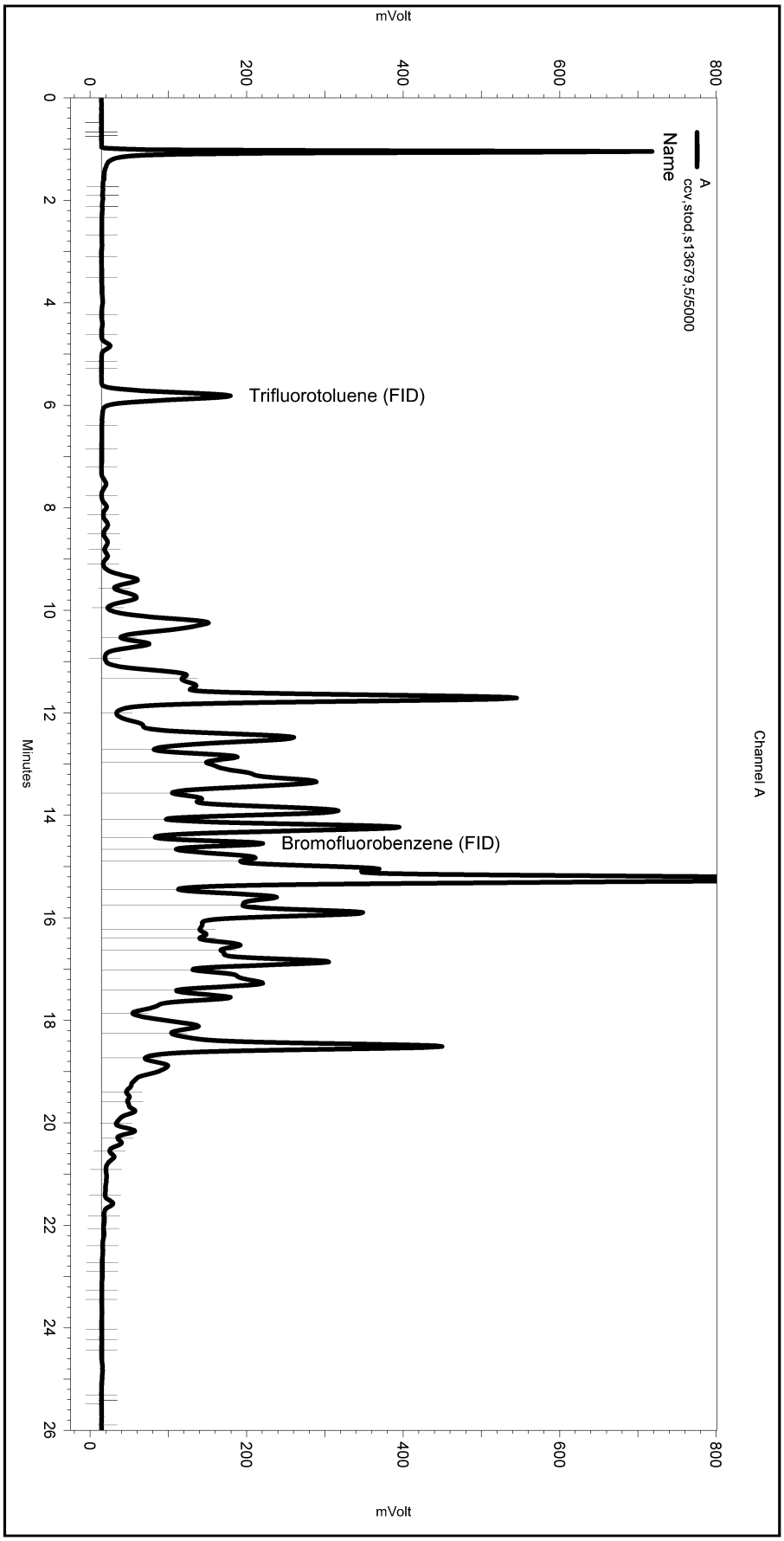
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\040_007

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

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **ccv,stod,s13679,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_010**
Instrument: GC04 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/5/2010 1:50:54 PM
Analysis Date: 2/5/2010 2:20:23 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



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Integration Events

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

Manual Integration Fixes

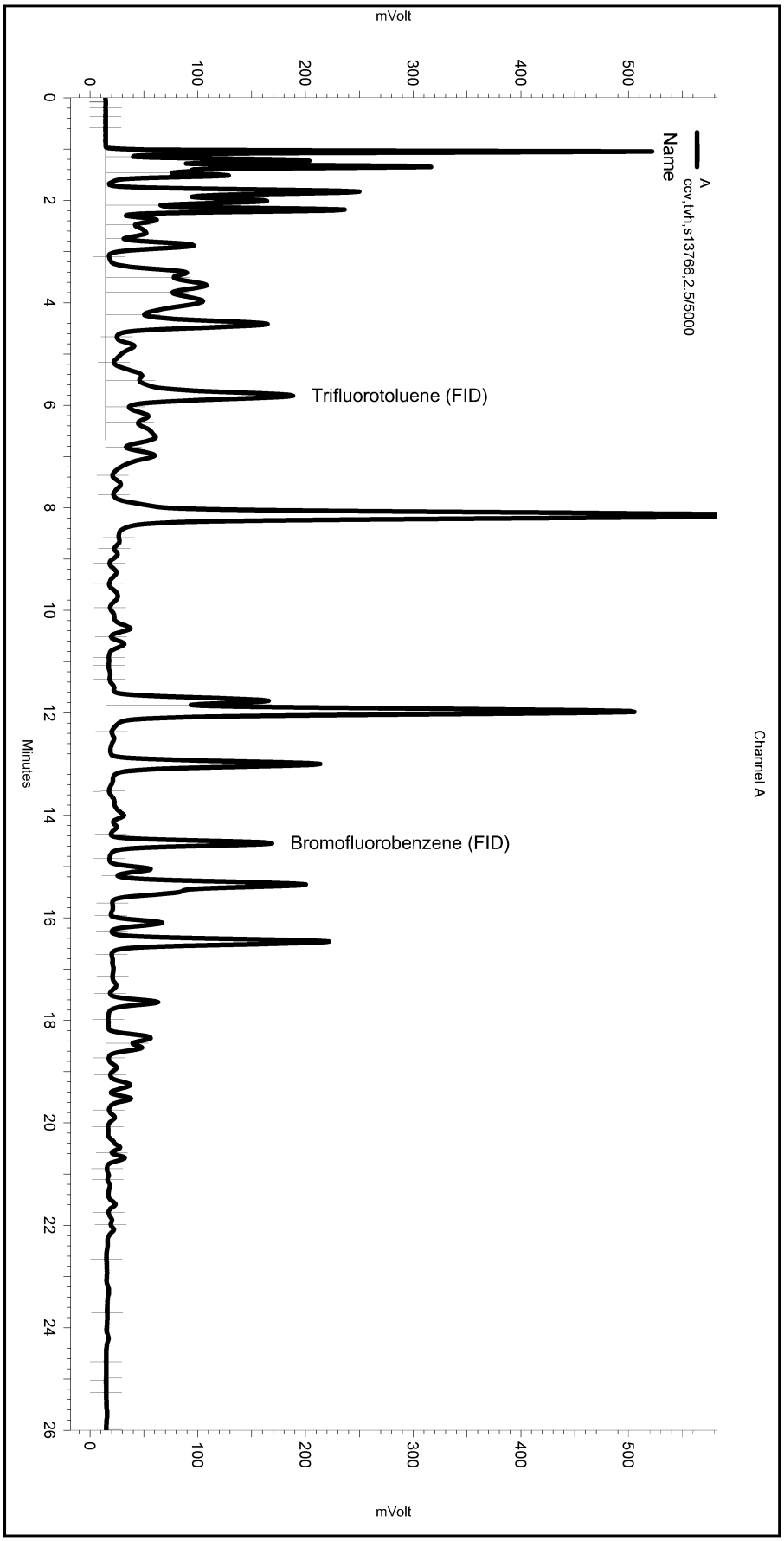
Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10047\036_010_840F.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\036.seq**
Sample Name: **ccv,tvh,s13766,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\036_008**
Instrument: GC04 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe036.met

Software Version 3.1.7
Run Date: 2/5/2010 11:46:06 AM
Analysis Date: 2/5/2010 12:15:35 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

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

Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10047\036_008_840D.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-2	Batch#:	159713
Lab ID:	218094-001	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	4.6	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	42	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-2	Batch#:	159713
Lab ID:	218094-001	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	97	81-124
1,2-Dichloroethane-d4	101	73-140
Toluene-d8	100	88-113
Bromofluorobenzene	95	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-3	Units:	ug/L
Lab ID:	218094-002	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	159753	02/04/10
tert-Butyl Alcohol (TBA)	ND	10	1.000	159753	02/04/10
Chloromethane	ND	1.0	1.000	159753	02/04/10
Isopropyl Ether (DIPE)	ND	0.5	1.000	159753	02/04/10
Vinyl Chloride	ND	0.5	1.000	159753	02/04/10
Bromomethane	ND	1.0	1.000	159753	02/04/10
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	159753	02/04/10
Chloroethane	ND	1.0	1.000	159753	02/04/10
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	159753	02/04/10
Trichlorofluoromethane	ND	1.0	1.000	159753	02/04/10
Ethanol	ND	1,000	1.000	159753	02/04/10
Acetone	ND	10	1.000	159753	02/04/10
Freon 113	ND	2.0	1.000	159753	02/04/10
1,1-Dichloroethene	ND	0.5	1.000	159753	02/04/10
Methylene Chloride	ND	10	1.000	159753	02/04/10
Carbon Disulfide	ND	0.5	1.000	159753	02/04/10
MTBE	ND	0.5	1.000	159753	02/04/10
trans-1,2-Dichloroethene	ND	0.5	1.000	159753	02/04/10
Vinyl Acetate	ND	10	1.000	159753	02/04/10
1,1-Dichloroethane	ND	0.5	1.000	159753	02/04/10
2-Butanone	ND	10	1.000	159753	02/04/10
cis-1,2-Dichloroethene	ND	0.5	1.000	159753	02/04/10
2,2-Dichloropropane	ND	0.5	1.000	159753	02/04/10
Chloroform	ND	0.5	1.000	159753	02/04/10
Bromochloromethane	ND	0.5	1.000	159753	02/04/10
1,1,1-Trichloroethane	ND	0.5	1.000	159753	02/04/10
1,1-Dichloropropene	ND	0.5	1.000	159753	02/04/10
Carbon Tetrachloride	ND	0.5	1.000	159753	02/04/10
1,2-Dichloroethane	ND	0.5	1.000	159753	02/04/10
Benzene	ND	0.5	1.000	159753	02/04/10
Trichloroethene	ND	0.5	1.000	159753	02/04/10
1,2-Dichloropropane	ND	0.5	1.000	159753	02/04/10
Bromodichloromethane	ND	0.5	1.000	159753	02/04/10
Dibromomethane	ND	0.5	1.000	159753	02/04/10
4-Methyl-2-Pentanone	ND	10	1.000	159753	02/04/10
cis-1,3-Dichloropropene	ND	0.5	1.000	159753	02/04/10
Toluene	ND	0.5	1.000	159753	02/04/10
trans-1,3-Dichloropropene	ND	0.5	1.000	159753	02/04/10
1,1,2-Trichloroethane	ND	0.5	1.000	159753	02/04/10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-3	Units:	ug/L
Lab ID:	218094-002	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
2-Hexanone	ND	10	1.000	159753	02/04/10
1,3-Dichloropropane	ND	0.5	1.000	159753	02/04/10
Tetrachloroethene	100	1.0	2.000	159798	02/05/10
Dibromochloromethane	ND	0.5	1.000	159753	02/04/10
1,2-Dibromoethane	ND	0.5	1.000	159753	02/04/10
Chlorobenzene	ND	0.5	1.000	159753	02/04/10
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	159753	02/04/10
Ethylbenzene	ND	0.5	1.000	159753	02/04/10
m,p-Xylenes	ND	0.5	1.000	159753	02/04/10
o-Xylene	ND	0.5	1.000	159753	02/04/10
Styrene	ND	0.5	1.000	159753	02/04/10
Bromoform	ND	1.0	1.000	159753	02/04/10
Isopropylbenzene	ND	0.5	1.000	159753	02/04/10
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	159753	02/04/10
1,2,3-Trichloropropane	ND	0.5	1.000	159753	02/04/10
Propylbenzene	ND	0.5	1.000	159753	02/04/10
Bromobenzene	ND	0.5	1.000	159753	02/04/10
1,3,5-Trimethylbenzene	ND	0.5	1.000	159753	02/04/10
2-Chlorotoluene	ND	0.5	1.000	159753	02/04/10
4-Chlorotoluene	ND	0.5	1.000	159753	02/04/10
tert-Butylbenzene	ND	0.5	1.000	159753	02/04/10
1,2,4-Trimethylbenzene	ND	0.5	1.000	159753	02/04/10
sec-Butylbenzene	ND	0.5	1.000	159753	02/04/10
para-Isopropyl Toluene	ND	0.5	1.000	159753	02/04/10
1,3-Dichlorobenzene	ND	0.5	1.000	159753	02/04/10
1,4-Dichlorobenzene	ND	0.5	1.000	159753	02/04/10
n-Butylbenzene	ND	0.5	1.000	159753	02/04/10
1,2-Dichlorobenzene	ND	0.5	1.000	159753	02/04/10
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	159753	02/04/10
1,2,4-Trichlorobenzene	ND	0.5	1.000	159753	02/04/10
Hexachlorobutadiene	ND	2.0	1.000	159753	02/04/10
Naphthalene	ND	2.0	1.000	159753	02/04/10
1,2,3-Trichlorobenzene	ND	0.5	1.000	159753	02/04/10

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	99	81-124	1.000	159753	02/04/10
1,2-Dichloroethane-d4	103	73-140	1.000	159753	02/04/10
Toluene-d8	98	88-113	1.000	159753	02/04/10
Bromofluorobenzene	98	80-127	1.000	159753	02/04/10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-4	Batch#:	159713
Lab ID:	218094-003	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	0.6	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	0.7	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	0.6	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-4	Batch#:	159713
Lab ID:	218094-003	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	1.6	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	5.8	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	1.6	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	98	81-124
1,2-Dichloroethane-d4	102	73-140
Toluene-d8	98	88-113
Bromofluorobenzene	110	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	159713
Lab ID:	218094-004	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	159713
Lab ID:	218094-004	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	97	81-124
1,2-Dichloroethane-d4	102	73-140
Toluene-d8	98	88-113
Bromofluorobenzene	97	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-1	Units:	ug/L
Lab ID:	218094-005	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	159713	02/03/10
tert-Butyl Alcohol (TBA)	ND	10	1.000	159713	02/03/10
Chloromethane	ND	1.0	1.000	159713	02/03/10
Isopropyl Ether (DIPE)	ND	0.5	1.000	159713	02/03/10
Vinyl Chloride	ND	0.5	1.000	159713	02/03/10
Bromomethane	ND	1.0	1.000	159713	02/03/10
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	159713	02/03/10
Chloroethane	ND	1.0	1.000	159713	02/03/10
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	159713	02/03/10
Trichlorofluoromethane	ND	1.0	1.000	159713	02/03/10
Ethanol	ND	1,000	1.000	159713	02/03/10
Acetone	ND	10	1.000	159713	02/03/10
Freon 113	ND	2.0	1.000	159713	02/03/10
1,1-Dichloroethene	ND	0.5	1.000	159713	02/03/10
Methylene Chloride	ND	10	1.000	159713	02/03/10
Carbon Disulfide	ND	0.5	1.000	159713	02/03/10
MTBE	ND	0.5	1.000	159713	02/03/10
trans-1,2-Dichloroethene	1.1	0.5	1.000	159713	02/03/10
Vinyl Acetate	ND	10	1.000	159713	02/03/10
1,1-Dichloroethane	ND	0.5	1.000	159713	02/03/10
2-Butanone	ND	10	1.000	159713	02/03/10
cis-1,2-Dichloroethene	4.8	0.5	1.000	159713	02/03/10
2,2-Dichloropropane	ND	0.5	1.000	159713	02/03/10
Chloroform	ND	0.5	1.000	159713	02/03/10
Bromochloromethane	ND	0.5	1.000	159713	02/03/10
1,1,1-Trichloroethane	ND	0.5	1.000	159713	02/03/10
1,1-Dichloropropene	ND	0.5	1.000	159713	02/03/10
Carbon Tetrachloride	ND	0.5	1.000	159713	02/03/10
1,2-Dichloroethane	ND	0.5	1.000	159713	02/03/10
Benzene	ND	0.5	1.000	159713	02/03/10
Trichloroethene	32	0.5	1.000	159713	02/03/10
1,2-Dichloropropane	ND	0.5	1.000	159713	02/03/10
Bromodichloromethane	ND	0.5	1.000	159713	02/03/10
Dibromomethane	ND	0.5	1.000	159713	02/03/10
4-Methyl-2-Pentanone	ND	10	1.000	159713	02/03/10
cis-1,3-Dichloropropene	ND	0.5	1.000	159713	02/03/10
Toluene	ND	0.5	1.000	159713	02/03/10
trans-1,3-Dichloropropene	ND	0.5	1.000	159713	02/03/10
1,1,2-Trichloroethane	ND	0.5	1.000	159713	02/03/10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-1	Units:	ug/L
Lab ID:	218094-005	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
2-Hexanone	ND	10	1.000	159713	02/03/10
1,3-Dichloropropane	ND	0.5	1.000	159713	02/03/10
Tetrachloroethene	110	1.0	2.000	159753	02/04/10
Dibromochloromethane	ND	0.5	1.000	159713	02/03/10
1,2-Dibromoethane	ND	0.5	1.000	159713	02/03/10
Chlorobenzene	ND	0.5	1.000	159713	02/03/10
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	159713	02/03/10
Ethylbenzene	ND	0.5	1.000	159713	02/03/10
m,p-Xylenes	ND	0.5	1.000	159713	02/03/10
o-Xylene	ND	0.5	1.000	159713	02/03/10
Styrene	ND	0.5	1.000	159713	02/03/10
Bromoform	ND	1.0	1.000	159713	02/03/10
Isopropylbenzene	ND	0.5	1.000	159713	02/03/10
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	159713	02/03/10
1,2,3-Trichloropropane	ND	0.5	1.000	159713	02/03/10
Propylbenzene	ND	0.5	1.000	159713	02/03/10
Bromobenzene	ND	0.5	1.000	159713	02/03/10
1,3,5-Trimethylbenzene	ND	0.5	1.000	159713	02/03/10
2-Chlorotoluene	ND	0.5	1.000	159713	02/03/10
4-Chlorotoluene	ND	0.5	1.000	159713	02/03/10
tert-Butylbenzene	ND	0.5	1.000	159713	02/03/10
1,2,4-Trimethylbenzene	ND	0.5	1.000	159713	02/03/10
sec-Butylbenzene	ND	0.5	1.000	159713	02/03/10
para-Isopropyl Toluene	ND	0.5	1.000	159713	02/03/10
1,3-Dichlorobenzene	ND	0.5	1.000	159713	02/03/10
1,4-Dichlorobenzene	ND	0.5	1.000	159713	02/03/10
n-Butylbenzene	ND	0.5	1.000	159713	02/03/10
1,2-Dichlorobenzene	ND	0.5	1.000	159713	02/03/10
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	159713	02/03/10
1,2,4-Trichlorobenzene	ND	0.5	1.000	159713	02/03/10
Hexachlorobutadiene	ND	2.0	1.000	159713	02/03/10
Naphthalene	ND	2.0	1.000	159713	02/03/10
1,2,3-Trichlorobenzene	ND	0.5	1.000	159713	02/03/10

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	96	81-124	1.000	159713	02/03/10
1,2-Dichloroethane-d4	100	73-140	1.000	159713	02/03/10
Toluene-d8	98	88-113	1.000	159713	02/03/10
Bromofluorobenzene	96	80-127	1.000	159713	02/03/10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-2	Batch#:	159753
Lab ID:	218094-006	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	5.7	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	27	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	0.5	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	0.6	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-2	Batch#:	159753
Lab ID:	218094-006	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	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	99	81-124
1,2-Dichloroethane-d4	101	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	127	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-3	Batch#:	159748
Lab ID:	218094-007	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	1.2	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-3	Batch#:	159748
Lab ID:	218094-007	Sampled:	02/01/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	99	81-124
1,2-Dichloroethane-d4	106	73-140
Toluene-d8	104	88-113
Bromofluorobenzene	102	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-1	Batch#:	159748
Lab ID:	218094-008	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
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
Ethanol	ND	5,000
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	360	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	180	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	5.2	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	46	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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-1	Batch#:	159748
Lab ID:	218094-008	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	5.000		

Analyte	Result	RL
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	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	98	81-124
1,2-Dichloroethane-d4	103	73-140
Toluene-d8	105	88-113
Bromofluorobenzene	99	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-2	Sampled:	02/02/10
Lab ID:	218094-009	Received:	02/02/10
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#
Freon 12	ND	25	25.00	159818
tert-Butyl Alcohol (TBA)	ND	250	25.00	159818
Chloromethane	ND	25	25.00	159818
Isopropyl Ether (DIPE)	ND	13	25.00	159818
Vinyl Chloride	ND	13	25.00	159818
Bromomethane	ND	25	25.00	159818
Ethyl tert-Butyl Ether (ETBE)	ND	13	25.00	159818
Chloroethane	ND	25	25.00	159818
Methyl tert-Amyl Ether (TAME)	ND	13	25.00	159818
Trichlorofluoromethane	ND	25	25.00	159818
Ethanol	ND	25,000	25.00	159818
Acetone	ND	250	25.00	159818
Freon 113	ND	50	25.00	159818
1,1-Dichloroethene	ND	13	25.00	159818
Methylene Chloride	ND	250	25.00	159818
Carbon Disulfide	ND	13	25.00	159818
MTBE	ND	13	25.00	159818
trans-1,2-Dichloroethene	18	13	25.00	159818
Vinyl Acetate	ND	250	25.00	159818
1,1-Dichloroethane	ND	13	25.00	159818
2-Butanone	ND	250	25.00	159818
cis-1,2-Dichloroethene	1,900	31	62.50	159748
2,2-Dichloropropane	ND	13	25.00	159818
Chloroform	ND	13	25.00	159818
Bromochloromethane	ND	13	25.00	159818
1,1,1-Trichloroethane	ND	13	25.00	159818
1,1-Dichloropropene	ND	13	25.00	159818
Carbon Tetrachloride	ND	13	25.00	159818
1,2-Dichloroethane	ND	13	25.00	159818
Benzene	ND	13	25.00	159818
Trichloroethene	ND	13	25.00	159818
1,2-Dichloropropane	ND	13	25.00	159818
Bromodichloromethane	ND	13	25.00	159818
Dibromomethane	ND	13	25.00	159818
4-Methyl-2-Pentanone	ND	250	25.00	159818
cis-1,3-Dichloropropene	ND	13	25.00	159818
Toluene	ND	13	25.00	159818
trans-1,3-Dichloropropene	ND	13	25.00	159818
1,1,2-Trichloroethane	ND	13	25.00	159818
2-Hexanone	ND	250	25.00	159818
1,3-Dichloropropane	ND	13	25.00	159818
Tetrachloroethene	ND	13	25.00	159818
Dibromochloromethane	ND	13	25.00	159818
1,2-Dibromoethane	ND	13	25.00	159818
Chlorobenzene	ND	13	25.00	159818
1,1,1,2-Tetrachloroethane	ND	13	25.00	159818
Ethylbenzene	ND	13	25.00	159818
m,p-Xylenes	ND	13	25.00	159818
o-Xylene	ND	13	25.00	159818
Styrene	ND	13	25.00	159818
Bromoform	ND	25	25.00	159818
Isopropylbenzene	ND	13	25.00	159818
1,1,2,2-Tetrachloroethane	ND	13	25.00	159818
1,2,3-Trichloropropane	ND	13	25.00	159818
Propylbenzene	ND	13	25.00	159818

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-2	Sampled:	02/02/10
Lab ID:	218094-009	Received:	02/02/10
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#
Bromobenzene	ND	13	25.00	159818
1,3,5-Trimethylbenzene	ND	13	25.00	159818
2-Chlorotoluene	ND	13	25.00	159818
4-Chlorotoluene	ND	13	25.00	159818
tert-Butylbenzene	ND	13	25.00	159818
1,2,4-Trimethylbenzene	ND	13	25.00	159818
sec-Butylbenzene	ND	13	25.00	159818
para-Isopropyl Toluene	ND	13	25.00	159818
1,3-Dichlorobenzene	ND	13	25.00	159818
1,4-Dichlorobenzene	ND	13	25.00	159818
n-Butylbenzene	ND	13	25.00	159818
1,2-Dichlorobenzene	ND	13	25.00	159818
1,2-Dibromo-3-Chloropropane	ND	50	25.00	159818
1,2,4-Trichlorobenzene	ND	13	25.00	159818
Hexachlorobutadiene	ND	50	25.00	159818
Naphthalene	ND	50	25.00	159818
1,2,3-Trichlorobenzene	ND	13	25.00	159818

Surrogate	%REC	Limits	Diln Fac	Batch#
Dibromofluoromethane	106	81-124	25.00	159818
1,2-Dichloroethane-d4	97	73-140	25.00	159818
Toluene-d8	99	88-113	25.00	159818
Bromofluorobenzene	106	80-127	25.00	159818

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-3	Batch#:	159748
Lab ID:	218094-010	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
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
Ethanol	ND	17,000
Acetone	ND	170
Freon 113	ND	33
1,1-Dichloroethene	ND	8.3
Methylene Chloride	ND	170
Carbon Disulfide	ND	8.3
MTBE	110	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	1,500	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	ND	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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-3	Batch#:	159748
Lab ID:	218094-010	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	16.67		

Analyte	Result	RL
Propylbenzene	ND	8.3
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	98	81-124
1,2-Dichloroethane-d4	107	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	103	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-4R	Batch#:	159818
Lab ID:	218094-011	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	4.000		

Analyte	Result	RL
Freon 12	ND	4.0
tert-Butyl Alcohol (TBA)	120	40
Chloromethane	ND	4.0
Isopropyl Ether (DIPE)	ND	2.0
Vinyl Chloride	ND	2.0
Bromomethane	ND	4.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
Chloroethane	ND	4.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
Trichlorofluoromethane	ND	4.0
Ethanol	ND	4,000
Acetone	ND	40
Freon 113	ND	8.0
1,1-Dichloroethene	ND	2.0
Methylene Chloride	ND	40
Carbon Disulfide	ND	2.0
MTBE	8.0	2.0
trans-1,2-Dichloroethene	3.5	2.0
Vinyl Acetate	ND	40
1,1-Dichloroethane	ND	2.0
2-Butanone	ND	40
cis-1,2-Dichloroethene	360	2.0
2,2-Dichloropropane	ND	2.0
Chloroform	ND	2.0
Bromochloromethane	ND	2.0
1,1,1-Trichloroethane	ND	2.0
1,1-Dichloropropene	ND	2.0
Carbon Tetrachloride	ND	2.0
1,2-Dichloroethane	ND	2.0
Benzene	ND	2.0
Trichloroethene	ND	2.0
1,2-Dichloropropane	ND	2.0
Bromodichloromethane	ND	2.0
Dibromomethane	ND	2.0
4-Methyl-2-Pentanone	ND	40
cis-1,3-Dichloropropene	ND	2.0
Toluene	3.1	2.0
trans-1,3-Dichloropropene	ND	2.0
1,1,2-Trichloroethane	ND	2.0
2-Hexanone	ND	40
1,3-Dichloropropane	ND	2.0
Tetrachloroethene	ND	2.0
Dibromochloromethane	ND	2.0
1,2-Dibromoethane	ND	2.0
Chlorobenzene	ND	2.0
1,1,1,2-Tetrachloroethane	ND	2.0
Ethylbenzene	ND	2.0
m,p-Xylenes	2.0	2.0
o-Xylene	4.5	2.0
Styrene	ND	2.0
Bromoform	ND	4.0
Isopropylbenzene	ND	2.0
1,1,2,2-Tetrachloroethane	ND	2.0
1,2,3-Trichloropropane	ND	2.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-4R	Batch#:	159818
Lab ID:	218094-011	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	4.000		

Analyte	Result	RL
Propylbenzene	ND	2.0
Bromobenzene	ND	2.0
1,3,5-Trimethylbenzene	2.0	2.0
2-Chlorotoluene	ND	2.0
4-Chlorotoluene	ND	2.0
tert-Butylbenzene	ND	2.0
1,2,4-Trimethylbenzene	11	2.0
sec-Butylbenzene	ND	2.0
para-Isopropyl Toluene	2.0	2.0
1,3-Dichlorobenzene	ND	2.0
1,4-Dichlorobenzene	ND	2.0
n-Butylbenzene	ND	2.0
1,2-Dichlorobenzene	ND	2.0
1,2-Dibromo-3-Chloropropane	ND	8.0
1,2,4-Trichlorobenzene	ND	2.0
Hexachlorobutadiene	ND	8.0
Naphthalene	ND	8.0
1,2,3-Trichlorobenzene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	81-124
1,2-Dichloroethane-d4	94	73-140
Toluene-d8	98	88-113
Bromofluorobenzene	107	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	B-8R	Batch#:	159818
Lab ID:	218094-012	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	70	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	16	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	1.2	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	B-8R	Batch#:	159818
Lab ID:	218094-012	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	1.3	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	1.0	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	101	81-124
1,2-Dichloroethane-d4	92	73-140
Toluene-d8	100	88-113
Bromofluorobenzene	114	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	B-10R	Units:	ug/L
Lab ID:	218094-013	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	13	12.50	159748	02/04/10
tert-Butyl Alcohol (TBA)	ND	130	12.50	159748	02/04/10
Chloromethane	ND	13	12.50	159748	02/04/10
Isopropyl Ether (DIPE)	ND	6.3	12.50	159748	02/04/10
Vinyl Chloride	ND	6.3	12.50	159748	02/04/10
Bromomethane	ND	13	12.50	159748	02/04/10
Ethyl tert-Butyl Ether (ETBE)	ND	6.3	12.50	159748	02/04/10
Chloroethane	ND	13	12.50	159748	02/04/10
Methyl tert-Amyl Ether (TAME)	ND	6.3	12.50	159748	02/04/10
Trichlorofluoromethane	ND	13	12.50	159748	02/04/10
Ethanol	ND	13,000	12.50	159748	02/04/10
Acetone	ND	130	12.50	159748	02/04/10
Freon 113	ND	25	12.50	159748	02/04/10
1,1-Dichloroethene	ND	6.3	12.50	159748	02/04/10
Methylene Chloride	ND	130	12.50	159748	02/04/10
Carbon Disulfide	ND	6.3	12.50	159748	02/04/10
MTBE	ND	6.3	12.50	159748	02/04/10
trans-1,2-Dichloroethene	7.7	6.3	12.50	159748	02/04/10
Vinyl Acetate	ND	130	12.50	159748	02/04/10
1,1-Dichloroethane	ND	6.3	12.50	159748	02/04/10
2-Butanone	ND	130	12.50	159748	02/04/10
cis-1,2-Dichloroethene	2,000	25	50.00	159818	02/05/10
2,2-Dichloropropane	ND	6.3	12.50	159748	02/04/10
Chloroform	ND	6.3	12.50	159748	02/04/10
Bromochloromethane	ND	6.3	12.50	159748	02/04/10
1,1,1-Trichloroethane	ND	6.3	12.50	159748	02/04/10
1,1-Dichloropropene	ND	6.3	12.50	159748	02/04/10
Carbon Tetrachloride	ND	6.3	12.50	159748	02/04/10
1,2-Dichloroethane	ND	6.3	12.50	159748	02/04/10
Benzene	ND	6.3	12.50	159748	02/04/10
Trichloroethene	100	6.3	12.50	159748	02/04/10
1,2-Dichloropropane	ND	6.3	12.50	159748	02/04/10
Bromodichloromethane	ND	6.3	12.50	159748	02/04/10
Dibromomethane	ND	6.3	12.50	159748	02/04/10
4-Methyl-2-Pentanone	ND	130	12.50	159748	02/04/10
cis-1,3-Dichloropropene	ND	6.3	12.50	159748	02/04/10
Toluene	ND	6.3	12.50	159748	02/04/10
trans-1,3-Dichloropropene	ND	6.3	12.50	159748	02/04/10
1,1,2-Trichloroethane	ND	6.3	12.50	159748	02/04/10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	B-10R	Units:	ug/L
Lab ID:	218094-013	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
2-Hexanone	ND	130	12.50	159748	02/04/10
1,3-Dichloropropane	ND	6.3	12.50	159748	02/04/10
Tetrachloroethene	130	6.3	12.50	159748	02/04/10
Dibromochloromethane	ND	6.3	12.50	159748	02/04/10
1,2-Dibromoethane	ND	6.3	12.50	159748	02/04/10
Chlorobenzene	ND	6.3	12.50	159748	02/04/10
1,1,1,2-Tetrachloroethane	ND	6.3	12.50	159748	02/04/10
Ethylbenzene	ND	6.3	12.50	159748	02/04/10
m,p-Xylenes	ND	6.3	12.50	159748	02/04/10
o-Xylene	ND	6.3	12.50	159748	02/04/10
Styrene	ND	6.3	12.50	159748	02/04/10
Bromoform	ND	13	12.50	159748	02/04/10
Isopropylbenzene	ND	6.3	12.50	159748	02/04/10
1,1,2,2-Tetrachloroethane	ND	6.3	12.50	159748	02/04/10
1,2,3-Trichloropropane	ND	6.3	12.50	159748	02/04/10
Propylbenzene	ND	6.3	12.50	159748	02/04/10
Bromobenzene	ND	6.3	12.50	159748	02/04/10
1,3,5-Trimethylbenzene	ND	6.3	12.50	159748	02/04/10
2-Chlorotoluene	ND	6.3	12.50	159748	02/04/10
4-Chlorotoluene	ND	6.3	12.50	159748	02/04/10
tert-Butylbenzene	ND	6.3	12.50	159748	02/04/10
1,2,4-Trimethylbenzene	ND	6.3	12.50	159748	02/04/10
sec-Butylbenzene	ND	6.3	12.50	159748	02/04/10
para-Isopropyl Toluene	ND	6.3	12.50	159748	02/04/10
1,3-Dichlorobenzene	ND	6.3	12.50	159748	02/04/10
1,4-Dichlorobenzene	ND	6.3	12.50	159748	02/04/10
n-Butylbenzene	ND	6.3	12.50	159748	02/04/10
1,2-Dichlorobenzene	ND	6.3	12.50	159748	02/04/10
1,2-Dibromo-3-Chloropropane	ND	25	12.50	159748	02/04/10
1,2,4-Trichlorobenzene	ND	6.3	12.50	159748	02/04/10
Hexachlorobutadiene	ND	25	12.50	159748	02/04/10
Naphthalene	ND	25	12.50	159748	02/04/10
1,2,3-Trichlorobenzene	ND	6.3	12.50	159748	02/04/10

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	99	81-124	12.50	159748	02/04/10
1,2-Dichloroethane-d4	111	73-140	12.50	159748	02/04/10
Toluene-d8	105	88-113	12.50	159748	02/04/10
Bromofluorobenzene	103	80-127	12.50	159748	02/04/10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MPE-1	Batch#:	159748
Lab ID:	218094-014	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	4.000		

Analyte	Result	RL
Freon 12	ND	4.0
tert-Butyl Alcohol (TBA)	ND	40
Chloromethane	ND	4.0
Isopropyl Ether (DIPE)	ND	2.0
Vinyl Chloride	ND	2.0
Bromomethane	ND	4.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
Chloroethane	ND	4.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
Trichlorofluoromethane	ND	4.0
Ethanol	ND	4,000
Acetone	ND	40
Freon 113	ND	8.0
1,1-Dichloroethene	ND	2.0
Methylene Chloride	ND	40
Carbon Disulfide	ND	2.0
MTBE	ND	2.0
trans-1,2-Dichloroethene	6.2	2.0
Vinyl Acetate	ND	40
1,1-Dichloroethane	ND	2.0
2-Butanone	ND	40
cis-1,2-Dichloroethene	330	2.0
2,2-Dichloropropane	ND	2.0
Chloroform	ND	2.0
Bromochloromethane	ND	2.0
1,1,1-Trichloroethane	ND	2.0
1,1-Dichloropropene	ND	2.0
Carbon Tetrachloride	ND	2.0
1,2-Dichloroethane	ND	2.0
Benzene	ND	2.0
Trichloroethene	52	2.0
1,2-Dichloropropane	ND	2.0
Bromodichloromethane	ND	2.0
Dibromomethane	ND	2.0
4-Methyl-2-Pentanone	ND	40
cis-1,3-Dichloropropene	ND	2.0
Toluene	ND	2.0
trans-1,3-Dichloropropene	ND	2.0
1,1,2-Trichloroethane	ND	2.0
2-Hexanone	ND	40
1,3-Dichloropropane	ND	2.0
Tetrachloroethene	24	2.0
Dibromochloromethane	ND	2.0
1,2-Dibromoethane	ND	2.0
Chlorobenzene	ND	2.0
1,1,1,2-Tetrachloroethane	ND	2.0
Ethylbenzene	ND	2.0
m,p-Xylenes	ND	2.0
o-Xylene	ND	2.0
Styrene	ND	2.0
Bromoform	ND	4.0
Isopropylbenzene	ND	2.0
1,1,2,2-Tetrachloroethane	ND	2.0
1,2,3-Trichloropropane	ND	2.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MPE-1	Batch#:	159748
Lab ID:	218094-014	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	4.000		

Analyte	Result	RL
Propylbenzene	ND	2.0
Bromobenzene	ND	2.0
1,3,5-Trimethylbenzene	ND	2.0
2-Chlorotoluene	ND	2.0
4-Chlorotoluene	ND	2.0
tert-Butylbenzene	ND	2.0
1,2,4-Trimethylbenzene	5.1	2.0
sec-Butylbenzene	ND	2.0
para-Isopropyl Toluene	ND	2.0
1,3-Dichlorobenzene	ND	2.0
1,4-Dichlorobenzene	ND	2.0
n-Butylbenzene	ND	2.0
1,2-Dichlorobenzene	ND	2.0
1,2-Dibromo-3-Chloropropane	ND	8.0
1,2,4-Trichlorobenzene	ND	2.0
Hexachlorobutadiene	ND	8.0
Naphthalene	ND	8.0
1,2,3-Trichlorobenzene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	100	81-124
1,2-Dichloroethane-d4	112	73-140
Toluene-d8	108	88-113
Bromofluorobenzene	99	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MPE-4	Batch#:	159818
Lab ID:	218094-015	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	14	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	2.1	0.5
trans-1,2-Dichloroethene	3.2	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	92	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	0.9	0.5
Trichloroethene	1.6	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	0.6	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	0.6	0.5
m,p-Xylenes	0.5	0.5
o-Xylene	2.1	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	1.7	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MPE-4	Batch#:	159818
Lab ID:	218094-015	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	2.2	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	1.1	0.5
1,2,4-Trimethylbenzene	3.3	0.5
sec-Butylbenzene	3.0	0.5
para-Isopropyl Toluene	0.7	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	81-124
1,2-Dichloroethane-d4	94	73-140
Toluene-d8	101	88-113
Bromofluorobenzene	117	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MPE-5	Batch#:	159818
Lab ID:	218094-016	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
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)	ND	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
Ethanol	ND	2,000
Acetone	ND	20
Freon 113	ND	4.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	1.0
MTBE	2.1	1.0
trans-1,2-Dichloroethene	6.2	1.0
Vinyl Acetate	ND	20
1,1-Dichloroethane	ND	1.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	160	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	1.0	1.0
Trichloroethene	2.1	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
Dibromomethane	ND	1.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	1.0
Toluene	ND	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	ND	1.0
m,p-Xylenes	ND	1.0
o-Xylene	ND	1.0
Styrene	ND	1.0
Bromoform	ND	2.0
Isopropylbenzene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,2,3-Trichloropropane	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MPE-5	Batch#:	159818
Lab ID:	218094-016	Sampled:	02/02/10
Matrix:	Water	Received:	02/02/10
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	2.000		

Analyte	Result	RL
Propylbenzene	ND	1.0
Bromobenzene	ND	1.0
1,3,5-Trimethylbenzene	ND	1.0
2-Chlorotoluene	ND	1.0
4-Chlorotoluene	ND	1.0
tert-Butylbenzene	2.5	1.0
1,2,4-Trimethylbenzene	3.1	1.0
sec-Butylbenzene	6.3	1.0
para-Isopropyl Toluene	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
n-Butylbenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0
1,2-Dibromo-3-Chloropropane	ND	4.0
1,2,4-Trichlorobenzene	ND	1.0
Hexachlorobutadiene	ND	4.0
Naphthalene	ND	4.0
1,2,3-Trichlorobenzene	ND	1.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	81-124
1,2-Dichloroethane-d4	94	73-140
Toluene-d8	100	88-113
Bromofluorobenzene	112	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531317	Batch#:	159713
Matrix:	Water	Analyzed:	02/03/10
Units:	ug/L		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531317	Batch#:	159713
Matrix:	Water	Analyzed:	02/03/10
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	95	81-124
1,2-Dichloroethane-d4	104	73-140
Toluene-d8	98	88-113
Bromofluorobenzene	95	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	159713
Units:	ug/L	Analyzed:	02/03/10
Diln Fac:	1.000		

Type: BS Lab ID: QC531318

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	103.8	83	36-156
Isopropyl Ether (DIPE)	25.00	19.77	79	54-139
Ethyl tert-Butyl Ether (ETBE)	25.00	20.97	84	64-133
Methyl tert-Amyl Ether (TAME)	25.00	21.52	86	73-124
1,1-Dichloroethene	25.00	23.72	95	71-136
Benzene	25.00	24.63	99	81-122
Trichloroethene	25.00	25.33	101	80-124
Toluene	25.00	24.70	99	82-122
Chlorobenzene	25.00	24.60	98	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	98	81-124
1,2-Dichloroethane-d4	98	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	94	80-127

Type: BSD Lab ID: QC531319

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	111.9	90	36-156	8	23
Isopropyl Ether (DIPE)	25.00	19.53	78	54-139	1	11
Ethyl tert-Butyl Ether (ETBE)	25.00	21.25	85	64-133	1	11
Methyl tert-Amyl Ether (TAME)	25.00	21.65	87	73-124	1	11
1,1-Dichloroethene	25.00	23.33	93	71-136	2	15
Benzene	25.00	24.02	96	81-122	3	12
Trichloroethene	25.00	24.75	99	80-124	2	13
Toluene	25.00	23.77	95	82-122	4	12
Chlorobenzene	25.00	24.02	96	84-118	2	11

Surrogate	%REC	Limits
Dibromofluoromethane	99	81-124
1,2-Dichloroethane-d4	100	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	95	80-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #: 218094 Location: 3820 Manila Ave., Oakland, CA
Client: SOMA Environmental Engineering Inc. Prep: EPA 5030B
Project#: 2511 Analysis: EPA 8260B

Matrix: Water Batch#: 159748
Units: ug/L Analyzed: 02/04/10
Diln Fac: 1.000

Type: BS Lab ID: QC531442

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	93.12	74	36-156
Isopropyl Ether (DIPE)	25.00	20.60	82	54-139
Ethyl tert-Butyl Ether (ETBE)	25.00	20.20	81	64-133
Methyl tert-Amyl Ether (TAME)	25.00	19.51	78	73-124
1,1-Dichloroethene	25.00	26.92	108	71-136
Benzene	25.00	24.69	99	81-122
Trichloroethene	25.00	24.39	98	80-124
Toluene	25.00	26.96	108	82-122
Chlorobenzene	25.00	26.29	105	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	96	81-124
1,2-Dichloroethane-d4	92	73-140
Toluene-d8	100	88-113
Bromofluorobenzene	96	80-127

Type: BSD Lab ID: QC531443

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	92.05	74	36-156	1	23
Isopropyl Ether (DIPE)	25.00	19.75	79	54-139	4	11
Ethyl tert-Butyl Ether (ETBE)	25.00	20.15	81	64-133	0	11
Methyl tert-Amyl Ether (TAME)	25.00	20.18	81	73-124	3	11
1,1-Dichloroethene	25.00	26.31	105	71-136	2	15
Benzene	25.00	24.98	100	81-122	1	12
Trichloroethene	25.00	24.09	96	80-124	1	13
Toluene	25.00	26.92	108	82-122	0	12
Chlorobenzene	25.00	26.60	106	84-118	1	11

Surrogate	%REC	Limits
Dibromofluoromethane	94	81-124
1,2-Dichloroethane-d4	94	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	98	80-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531444	Batch#:	159748
Matrix:	Water	Analyzed:	02/04/10
Units:	ug/L		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531444	Batch#:	159748
Matrix:	Water	Analyzed:	02/04/10
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	95	81-124
1,2-Dichloroethane-d4	104	73-140
Toluene-d8	102	88-113
Bromofluorobenzene	96	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531459	Batch#:	159753
Matrix:	Water	Analyzed:	02/04/10
Units:	ug/L		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531459	Batch#:	159753
Matrix:	Water	Analyzed:	02/04/10
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	97	81-124
1,2-Dichloroethane-d4	102	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	97	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	159753
Units:	ug/L	Analyzed:	02/04/10
Diln Fac:	1.000		

Type: BS Lab ID: QC531460

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	108.6	87	36-156
Isopropyl Ether (DIPE)	25.00	20.00	80	54-139
Ethyl tert-Butyl Ether (ETBE)	25.00	21.23	85	64-133
Methyl tert-Amyl Ether (TAME)	25.00	21.87	87	73-124
1,1-Dichloroethene	25.00	24.82	99	71-136
Benzene	25.00	25.47	102	81-122
Trichloroethene	25.00	25.68	103	80-124
Toluene	25.00	24.96	100	82-122
Chlorobenzene	25.00	25.03	100	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	100	81-124
1,2-Dichloroethane-d4	99	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	96	80-127

Type: BSD Lab ID: QC531461

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	107.0	86	36-156	2	23
Isopropyl Ether (DIPE)	25.00	20.03	80	54-139	0	11
Ethyl tert-Butyl Ether (ETBE)	25.00	21.30	85	64-133	0	11
Methyl tert-Amyl Ether (TAME)	25.00	21.70	87	73-124	1	11
1,1-Dichloroethene	25.00	24.38	98	71-136	2	15
Benzene	25.00	24.68	99	81-122	3	12
Trichloroethene	25.00	25.78	103	80-124	0	13
Toluene	25.00	24.72	99	82-122	1	12
Chlorobenzene	25.00	25.15	101	84-118	0	11

Surrogate	%REC	Limits
Dibromofluoromethane	98	81-124
1,2-Dichloroethane-d4	97	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	97	80-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531521	Batch#:	159748
Matrix:	Water	Analyzed:	02/04/10
Units:	ug/L		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531521	Batch#:	159748
Matrix:	Water	Analyzed:	02/04/10
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	97	81-124
1,2-Dichloroethane-d4	104	73-140
Toluene-d8	106	88-113
Bromofluorobenzene	100	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531643	Batch#:	159798
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531643	Batch#:	159798
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	96	81-124
1,2-Dichloroethane-d4	100	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	98	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	159798
Units:	ug/L	Analyzed:	02/05/10
Diln Fac:	1.000		

Type: BS Lab ID: QC531644

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	104.7	84	36-156
Isopropyl Ether (DIPE)	25.00	20.07	80	54-139
Ethyl tert-Butyl Ether (ETBE)	25.00	21.28	85	64-133
Methyl tert-Amyl Ether (TAME)	25.00	21.67	87	73-124
1,1-Dichloroethene	25.00	26.62	106	71-136
Benzene	25.00	27.59	110	81-122
Trichloroethene	25.00	28.42	114	80-124
Toluene	25.00	26.89	108	82-122
Chlorobenzene	25.00	27.03	108	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	98	81-124
1,2-Dichloroethane-d4	100	73-140
Toluene-d8	100	88-113
Bromofluorobenzene	94	80-127

Type: BSD Lab ID: QC531645

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	110.4	88	36-156	5	23
Isopropyl Ether (DIPE)	25.00	19.04	76	54-139	5	11
Ethyl tert-Butyl Ether (ETBE)	25.00	19.95	80	64-133	6	11
Methyl tert-Amyl Ether (TAME)	25.00	21.25	85	73-124	2	11
1,1-Dichloroethene	25.00	24.52	98	71-136	8	15
Benzene	25.00	25.80	103	81-122	7	12
Trichloroethene	25.00	26.50	106	80-124	7	13
Toluene	25.00	25.69	103	82-122	5	12
Chlorobenzene	25.00	25.48	102	84-118	6	11

Surrogate	%REC	Limits
Dibromofluoromethane	97	81-124
1,2-Dichloroethane-d4	99	73-140
Toluene-d8	98	88-113
Bromofluorobenzene	95	80-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC531721	Batch#:	159818
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	123.0	98	36-156
Isopropyl Ether (DIPE)	25.00	20.48	82	54-139
Ethyl tert-Butyl Ether (ETBE)	25.00	23.96	96	64-133
Methyl tert-Amyl Ether (TAME)	25.00	24.47	98	73-124
1,1-Dichloroethene	25.00	31.25	125	71-136
Benzene	25.00	29.92	120	81-122
Trichloroethene	25.00	26.89	108	80-124
Toluene	25.00	26.75	107	82-122
Chlorobenzene	25.00	25.12	100	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	99	81-124
1,2-Dichloroethane-d4	90	73-140
Toluene-d8	99	88-113
Bromofluorobenzene	100	80-127

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531722	Batch#:	159818
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC531722	Batch#:	159818
Matrix:	Water	Analyzed:	02/05/10
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	101	81-124
1,2-Dichloroethane-d4	96	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	104	80-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	159818
MSS Lab ID:	218139-013	Sampled:	02/02/10
Matrix:	Water	Received:	02/03/10
Units:	ug/L	Analyzed:	02/06/10
Diln Fac:	1.000		

Type: MS Lab ID: QC531734

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<2.000	125.0	138.8	111	39-152
Isopropyl Ether (DIPE)	<0.1585	25.00	22.68	91	57-139
Ethyl tert-Butyl Ether (ETBE)	<0.1000	25.00	27.48	110	65-138
Methyl tert-Amyl Ether (TAME)	<0.1000	25.00	28.14	113	72-128
1,1-Dichloroethene	<0.1002	25.00	35.02	140	68-144
Benzene	<0.1000	25.00	32.10	128	75-130
Trichloroethene	<0.1004	25.00	28.80	115	63-142
Toluene	0.3837	25.00	28.08	111	79-129
Chlorobenzene	<0.1000	25.00	25.84	103	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	104	81-124
1,2-Dichloroethane-d4	98	73-140
Toluene-d8	101	88-113
Bromofluorobenzene	100	80-127

Type: MSD Lab ID: QC531735

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	128.4	103	39-152	8	23
Isopropyl Ether (DIPE)	25.00	21.50	86	57-139	5	12
Ethyl tert-Butyl Ether (ETBE)	25.00	26.11	104	65-138	5	11
Methyl tert-Amyl Ether (TAME)	25.00	26.25	105	72-128	7	10
1,1-Dichloroethene	25.00	33.14	133	68-144	6	14
Benzene	25.00	31.55	126	75-130	2	11
Trichloroethene	25.00	28.16	113	63-142	2	12
Toluene	25.00	27.53	109	79-129	2	12
Chlorobenzene	25.00	25.39	102	84-118	2	11

Surrogate	%REC	Limits
Dibromofluoromethane	104	81-124
1,2-Dichloroethane-d4	98	73-140
Toluene-d8	101	88-113
Bromofluorobenzene	99	80-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved Gases

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Analyte:	Methane	Batch#:	159722
Matrix:	Water	Received:	02/02/10
Units:	mg/L	Analyzed:	02/03/10
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Sampled
GW-2	SAMPLE	218094-001	ND	0.0050	02/01/10
GW-3	SAMPLE	218094-002	ND	0.0050	02/01/10
GW-4	SAMPLE	218094-003	1.4	0.0050	02/01/10
MW-11	SAMPLE	218094-004	ND	0.0050	02/01/10
LFR-1	SAMPLE	218094-005	ND	0.0050	02/01/10
LFR-2	SAMPLE	218094-006	7.7	0.0050	02/01/10
LFR-3	SAMPLE	218094-007	ND	0.0050	02/01/10
SOMA-1	SAMPLE	218094-008	0.79	0.0050	02/02/10
SOMA-2	SAMPLE	218094-009	1.4	0.0050	02/02/10
SOMA-3	SAMPLE	218094-010	1.2	0.0050	02/02/10
SOMA-4R	SAMPLE	218094-011	2.0	0.0050	02/02/10
B-8R	SAMPLE	218094-012	4.6	0.0050	02/02/10
B-10R	SAMPLE	218094-013	2.1	0.0050	02/02/10
MPE-1	SAMPLE	218094-014	0.035	0.0050	02/02/10
MPE-4	SAMPLE	218094-015	3.2	0.0050	02/02/10
MPE-5	SAMPLE	218094-016	4.4	0.0050	02/02/10
	BLANK	QC531352	ND	0.0050	

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved Gases

Lab #:	218094	Location:	3820 Manila Ave., Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Analyte:	Methane	Diln Fac:	1.000
Matrix:	Water	Batch#:	159722
Units:	mg/L	Analyzed:	02/03/10

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC531353	0.6544	0.5730	88	67-130		
BSD	QC531354	0.6544	0.5493	84	67-130	4	22

RPD= Relative Percent Difference