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August 30, 2006

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

Project: 01-2511

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

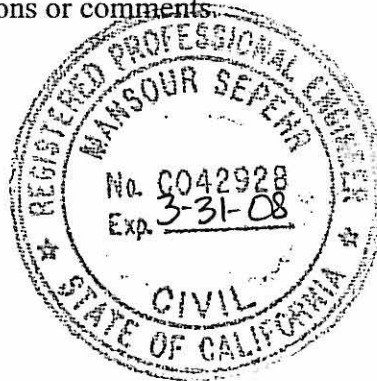
Dear Mr. Wickham:

SOMA's "Second Semi-Annual 2006 Groundwater Monitoring Report" for the subject property has been uploaded to the State's GeoTracker database and Alameda County's FTP site for your review.

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

Sincerely,

Mansour Seppehr, Ph.D., PE
Principal Hydrogeologist



cc: Mr. Albert M. Cohen, LOEB&LOEB LLP w/enclosure
Ms. Betty Graham, Regional Water Quality Control Board w/enclosure
Dr. Bruce Page, Bruce W. Page Consulting w/enclosure
Mr. Peter W. McGaw, ARCHER NORRIS w/enclosure
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Second Semi-Annual 2006
Groundwater Monitoring Report
The Former Glovatorium Facility
3820 Manila Avenue
Oakland, California

August 30, 2006

Project 2511

Prepared for:

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

Prepared by:

SOMA Environmental Engineering, Inc.
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Pleasanton, California 94588

Certification

This report has been prepared by SOMA Environmental Engineering, Inc. for the Law Offices of LOEB & LOEB LLP, to comply with the Alameda County Department of Environmental Health's requirements for the groundwater monitoring event, and to provide information necessary to defend claims brought against the owners by Earl Thompson and Grace Johnson.



Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist



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1.0 INTRODUCTION

This report has been prepared by SOMA Environmental Engineering, Inc. (SOMA) for the Law Offices of LOEB & LOEB LLP on behalf of their client, the owners of the former Glovatorium. The property, the former Glovatorium, is located at 3820 Manila Avenue (formerly known as 3815 Broadway), Oakland, California (the "Site"), as illustrated in Figure 1. The Site is located in an area consisting primarily of commercial and residential developments.

This report summarizes the results of the groundwater monitoring event conducted at the Site on July 5 and 6, 2006, and included the laboratory results of the groundwater samples.

In addition to the above laboratory analyses, the natural attenuation study, which was initiated by Levine-Fricke Recon (LFR) in the Third Quarter of 2000, continued during this monitoring event. The objective of the natural attenuation 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. The results of these analyses are described in this report.

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

This work is needed to determine the nature and extent of the environmental contamination and whether contamination is affecting the neighboring Thompson property. This information is needed to defend against the claim Mr. Thompson brought against the owners of the Glovatorium, the Deppers. This work may also provide data that can help determine when the releases occurred, which is significant in defending against the claims brought by a former owner of the property, Ms. Johnson.

1.1 Site Description

The Site is located between Manila Avenue and Broadway, near the intersection of 38th Street in Oakland, California. The surface elevation ranges from approximately 78 to 84 feet above mean sea level (msl).

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

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

There were six underground storage tanks (USTs) at the Site. Two USTs were located under the sidewalk on 38th Street and four USTs were located inside the building. The volumes of the USTs have been variously reported as ranging from 800 gallons to 5,000 gallons. They reportedly contained Stoddard solvent, fuel oil and possibly waste oil. In 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, see Figure 2.

The surrounding properties are primarily commercial, businesses and residential housing. TOSCO Marketing Company (TOSCO) is located north and upgradient of the Site, at 40th Street and Broadway, and contains a number of groundwater monitoring wells. Figure 2 shows the locations of the main building, fuel tank areas, and the on and off-site groundwater monitoring wells.

1.2 Background

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

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

In January, April, October, and November 2000, LFR conducted groundwater monitoring events at the Site. In July and August 2000, LFR installed four groundwater monitoring wells, namely LFR-1 through LFR-4, as shown in Figure 2. Well completion details for the LFR wells and the Geosolv sampling points are presented in Table 1.

In January 2001, LFR conducted a second groundwater monitoring event that suggested the occurrence of strong anaerobic biodegradation activities and dechlorination of PCE beneath the Site. On April 26 to 27, 2001, SOMA began their initial groundwater monitoring events at the Site. The results of the Second Quarter 2001 monitoring event indicated a strong occurrence of the dechlorination process of PCE in the subsurface. In SOMA's June 2001 workplan, a recommendation was made to replace the existing small diameter monitoring wells, B-7 and B-10, with larger diameter wells, to better evaluate the bioattenuation parameters.

On October 4, 11, and 12, 2001, SOMA installed monitoring wells, SOMA-1 through SOMA-5. These wells are shown in Figure 2. During the installation of the wells, boreholes were continuously logged and soil samples were collected at 5-foot depth intervals to delineate the vertical extent of the soil and groundwater contamination.

Phase I of SOMA's workplan included installing additional groundwater monitoring wells, soil and groundwater sampling, conducting hydraulic testing, and a sensitive receptor survey. Phase II of the workplan included defining the Site's 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 the results of the investigations conducted in Phase I.

The modeling aspect of Phase II was conducted using the results collected in Phase I and the analytical data from quarterly monitoring events. The main objective of the groundwater flow and chemical transport modeling was to predict groundwater chemical concentrations down-gradient from the Site, beneath the nearest residential neighboring property, in order to assess the Site's regulatory status and restore groundwater quality conditions to an acceptable level per the RBCA recommendations.

Groundwater flow, chemical transport, and bioattenuation modeling for the Site was conducted by SOMA in the first quarter of 2003. The modeling results confirmed the occurrence of biodegradation beneath the Site and indicated that the bioattenuation processes would be able to remove PCE in the groundwater in approximately seven to ten years, TCE in approximately three to nine years, and cis-1,2-DCE in approximately four to thirteen years. SOMA's March 7, 2003 report entitled "Groundwater Flow, Chemical Transport and Bioattenuation Modeling" describes the details of this study.

Based on the approval of the ACEHS, since the First Quarter 2003 groundwater monitoring events have been conducted on a semi-annual basis.

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

The sediments encountered in soil borings are predominantly fine-grained, consisting of clay, silty clay, sandy clay, gravelly clay and clayey silt. Discontinuous layers of coarse-grained sediments (clayey sand, silty sand, and clayey gravel) generally also contain relatively high percentages of silt and clay, which 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 major water-bearing zone at a deeper depth was encountered. However, as the lithological 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 in some locations are unsaturated. 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 permeable intervening clay layers between the shallow and deep layers, there is a significant vertical downward gradient between the shallow and deep wells.

Based on the quarterly monitoring activities, the depths of groundwater has ranged from 4 to 14 feet bgs at gradients ranging from 0.019 ft/ft to 0.035 ft/ft. The groundwater flow has been predominantly northeast to southwest across the Site. The results of the slug tests indicate that the hydraulic conductivity of the saturated sediments range 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.

2.0 Results

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

2.1 Groundwater Flow Condition

Table 2 presents the calculated groundwater elevations in each well. Depths to water and the elevation at the top of the well casings were used to calculate the groundwater elevations. Groundwater elevations ranged from 62.47 feet in B-8 to 78.70 feet in SOMA-5. Refer to Table 2 for detailed groundwater elevation trends.

In evaluating the groundwater flow direction and gradient, water level data from all “B” wells, GW-4, SOMA-1, SOMA-2, SOMA-3, SOMA-4, and SOMA-5 were not utilized for the following reasons:

1. No accurate information about the construction details of the “B” wells, which were installed by Geosolv, is available; therefore water level data from these wells are questionable.
2. GW-4 was installed adjacent to the storm drain system in order to evaluate whether the storm drain 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 zone, and due to the strong vertical gradient, the water level elevation in the deeper zone is significantly lower than the shallow water-bearing zone.
4. Due to the presence of free product in SOMA-4, the recorded water level elevation in this well is not representative of the shallow water-bearing zone.

Figure 3 displays a contour map of the groundwater elevations. The groundwater flows from the northeast to southwest at an average gradient of 0.024 ft/ft. The direction of the groundwater flow and gradient are consistent with the previous monitoring event. The groundwater flow and gradient are consistent with the previous monitoring event.

The field measurements of some physical and chemical parameters of the groundwater samples are presented in detail in the field notes in Appendix B, and are summarized in Table 3, along with their historical values. Water temperatures ranged from 15.80°C in B-10 to 20.10°C in LFR-3. The variation in temperature may reflect the changes in air temperature during sampling. Measurements of pH ranged from 6.56 in LFR-3 to 7.81 in SOMA-5. The EC measurements ranged from 454 $\mu\text{S}/\text{cm}$ in SOMA-5 to 1,270 $\mu\text{S}/\text{cm}$ in LFR-1.

2.2 Groundwater Quality

Table 4 displays the results of the laboratory analyses for total petroleum hydrocarbons as stoddard solvents, total petroleum hydrocarbons as gasoline

(TPH-g), Methyl tertiary Butyl Ether (MtBE) and benzene, toluene, ethylbenzene, total xylenes (BTEX). TPH-ss was below the laboratory reporting limit in wells GW-2, MW-11, LFR-1, LFR-3, and SOMA-1. Detectable TPH-ss levels ranged from 91 µg/L in GW-3 to 25,000 µg/L in SOMA-2. The groundwater sample collected from well GW-3 exhibited a stoddard solvent pattern that did not resemble the standard pattern. Furthermore, an unknown chromatographical single peak or peaks were observed during laboratory testing. The contour map of TPH-ss concentrations in the groundwater is illustrated in Figure 4.

TPH-g was below the laboratory reporting limit in wells GW-2, MW-11, LFR-1, LFR-3, and SOMA-1. Detectable TPH-g concentrations ranged from 140 µg/L in GW-3 to 40,000 µg/L in SOMA-2. The groundwater sample from both GW-3 and SOMA-2 exhibited a fuel pattern that did not resemble the standard gasoline pattern. The groundwater sample from well GW-3 also exhibited an unknown chromatographical single peak or peaks during laboratory testing. The groundwater sample in well SOMA-2 also may have been affected by the presence of heavier weight hydrocarbons. For further details on the variances in the analytical results refer to the lab report in Appendix C. The contour map of TPH-g concentrations in the groundwater is illustrated in Figure 5.

MtBE was below the laboratory reporting limit throughout the Site, with the exception of the samples collected from wells MW-11, LFR-4, SOMA-1 and SOMA-3. MtBE was detected in wells MW-11, LFR-4, SOMA-1 and SOMA-3 at 1 ug/L, 8.1 ug/L, 310 ug/L, and 500 ug/L respectively. The contour map of MtBE concentrations in the groundwater is illustrated in Figure 6. However, there is no known on-site source of MtBE.

In general, all BTEX constituents were below the laboratory reporting limit throughout the Site, with the exception of the samples collected from wells LFR-4 and SOMA-2. In well SOMA-2, toluene was detected at 61 ug/L; all other BTEX constituents were non-detectable. In well LFR-4, benzene, ethylbenzene, and total xylenes were detected at 59 ug/L, 8.1 ug/L, and 6 ug/L, respectively. No iso-concentration figure was drawn for benzene due to the overall low or non-detectable levels throughout the Site.

Refer to Table 4 for detailed total petroleum hydrocarbon, stoddard solvent, MtBE and BTEX groundwater concentration trends.

Table 5 shows the historical concentrations of VOCs in the groundwater. PCE was below the laboratory reporting limit in the groundwater samples collected from wells MW-11, LFR-2, LFR-4, SOMA-2, and SOMA-5. Detectable PCE concentrations ranged from 7.8 µg/L in well LFR-1 to 400 µg/L in well GW-3. The contour map of PCE concentrations in the groundwater is illustrated in Figure 7.

Trichloroethene (TCE) was below the laboratory reporting limit in the groundwater samples collected from wells GW-3, MW-11, LFR-2 to LFR-4,

SOMA-2, and SOMA-5. Detectable TCE concentrations ranged from 2.8 µg/L in well SOMA-1 to 380 µg/L in B-10. The contour map of TCE concentrations in the groundwater is illustrated in Figure 8.

Cis-1,2-dichloroethene (cis-1,2-DCE) was below the laboratory reporting limit in the groundwater samples collected from wells GW-3, MW-11, LFR-2, and LFR-3. Detectable cis-1,2-DCE concentrations ranged from 0.7 µg/L in well GW-2 to 14,000 ug/L in well B-10. This demonstrates that biodegradation is occurring (see discussion below). The contour map of cis-1,2-DCE concentrations in the groundwater is illustrated in Figure 9.

Trans-1,2-dichloroethene (trans-1,2-DCE) was below the laboratory reporting limit throughout the Site, with the exception of the sample collected from well SOMA-2. Trans-1,2-DCE was detected in well SOMA-2 at 46 ug/L. Vinyl chloride (VC) was below the laboratory reporting limit throughout the Site, with the exception of the sample collected from well LFR-4; VC was detected at 0.7 ug/L in this well. 1,2-Dichloropropane (1,2-DCP) was below the laboratory reporting limit throughout the Site, with the exception of the sample collected from well SOMA-1. 1,2-DCP was detected in well SOMA-1 at 3.7 ug/L. In general, due to the low or non-detectable levels of these constituents throughout the Site no iso-concentration figures were drawn for trans-1,2-DCE, VC, and 1,2-DCP.

Refer to Table 5 for detailed PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, vinyl chloride, and 1,2-DCP groundwater concentration trends.

Appendix C includes the chain-of-custody forms and laboratory reports for the Second Semi-Annual 2006 groundwater monitoring event.

2.3 Bioattenuation Parameter Analysis Results

To evaluate whether intrinsic bioremediation processes are active at the Site a bioattenuation study was conducted during this monitoring event. The results of this study indicated that PCE and other dissolved organic compounds are biodegrading beneath the Site. For example, PCE levels in LFR-1 have dropped from 2,800 ug/L in 2000 to 7.8 ug/L. PCE levels in SOMA-2 have dropped from 1,400 ug/L in 2001 to less than 42 ug/L (lab reporting limit). SOMA's field crew measured the bioattenuation parameters in-situ. Dissolved methane, ethane, and ethene were measured in the laboratory. The field measurements were measured in-situ, within the 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 that exist in the subsurface utilize the energy released from the transfer of electrons to drive the 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 the distribution of these electron acceptors can provide evidence of where and to what extent chlorinated and aliphatic hydrocarbon biodegradation is occurring. The by-products of the biodegradation processes are nitrite, ferrous iron, alkalinity, sulfide, methane, and carbon dioxide. The groundwater samples were tested to evaluate the extent of bioattenuation processes beneath the Site. Table 6 summarizes these bioattenuation parameters.

Dissolved Oxygen. DO is the most favored electron acceptor used by microbes for the biodegradation of organic compounds. A DO concentration less than 0.5 mg/L indicates anaerobic conditions. DO levels ranged from 5.47 mg/L in well LFR-3 to 10.62 mg/L in B-10. The contour map of DO concentrations in the groundwater is illustrated in Figure 10.

It should be noted that due to the limitation of the 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 wells B-10, GW-2, SOMA-3, and SOMA-5, the results might not be representative of the overall subsurface condition. The purge cycles were limited due to the ¾-inch diameter well constructions at these locations. A low local recharge rate was also observed in well MW-11, which decreased the purge volume in this well.

Nitrate. After DO has been depleted, nitrate may be used as an electron acceptor for anaerobic biodegradation. Nitrate concentrations less than 1.0 mg/L may indicate that reductive dechlorination is occurring. Nitrate was below the minimal equipment tolerance level throughout the Site.

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 the groundwater are indicative of reductive dechlorination. Detectable manganese concentrations ranged from 0.3 mg/L in GW-2 to 7.4 mg/L in SOMA-2. Manganese was not detected in wells B-10 and SOMA-5. The contour map of dissolved manganese concentrations in the groundwater is illustrated in Figure 11.

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 the production of sulfide. Sulfate concentrations less than 20 mg/L are indicative of reductive dechlorination (EPA 1998). Sulfate was not detected in B-10, LFR-2, LFR-4, SOMA-2, SOMA-3, and SOMA-5. Detectable sulfate levels ranged from 6 mg/L in LFR-1 to the equipment's maximum allowable tolerance level of 80 mg/L in well MW-11. The

contour map of sulfate concentrations in the groundwater is illustrated in Figure 12.

Ferrous Iron. Increased ferrous iron accompanies 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. Ferrous iron was not detected in wells GW-2, GW-3, MW-11, LFR-1, LFR-3, and SOMA-1. Detectable ferrous iron concentrations ranged from 0.37 mg/L in well SOMA-3 to the equipment's maximum allowable tolerance level of 3.30 mg/L in wells B-10, LFR-2, LFR-4, and SOMA-2. The contour map of ferrous iron concentrations in the groundwater is illustrated in Figure 13.

Methane. The presence of methane in groundwater is indicative of strongly reduced conditions and suggests reductive dechlorination by the process of methanogenesis. Methane was below the laboratory reporting limit in wells GW-2, GW-3, MW-11, LFR-1, and LFR-3. Detectable methane concentrations ranged from 1.10 mg/L in SOMA-1 to 14 mg/L in SOMA-2. Higher concentrations of methane indicate conditions that are conducive to anaerobic biodegradation. The contour map of methane concentrations in the groundwater is illustrated in Figure 14.

Oxygen Reduction Potential (ORP). The ORP of groundwater is a measure of electron activity and is 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 -136 mV in LFR-2 to +99 mV in LFR-1.

Negative ORP values, detected in wells B-10, LFR-2, LFR-4, SOMA-2, SOMA-3, and SOMA-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 the removal of organic mass from the contaminated groundwater by indigenous bacteria in the subsurface during the release of the transfer of electrons.

Refer to Table 6 for detailed bioattenuation parameter trends.

2.4 Other Parameters

As outlined in Table 3:

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 nature of data collected during previous groundwater monitoring events in connection

with the bioattenuation process, no alkalinity data was collected during the current and 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 nature of data collected during the previous groundwater monitoring events in connection with the bioattenuation process, no chloride data was collected during this and previous groundwater monitoring events.

Carbon Dioxide: Carbon dioxide is a product of several biodegradation processes. Due to the inconclusive nature of data collected during the previous groundwater monitoring events in connection with the bioattenuation process, no carbon dioxide data was collected during the 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 not detected in GW-2, GW-3, MW-11, LFR-1, and LFR-3. Detectable total iron concentrations ranged from 0.30 mg/L in SOMA-1 to the equipment's maximum allowable tolerance level of 3.30 mg/L in wells B-10, LFR-2, LFR-4, SOMA-2, and SOMA-5.

Nitrite: Nitrate may reduce to nitrite during the process of anaerobic biodegradation. Nitrite was below the equipment's minimal tolerance level throughout the Site, with the exception of wells B-10 and SOMA-1. Nitrite was detected in wells B-10 and SOMA-1 at 0.122 mg/L and 0.011 mg/L, respectively.

Sulfide: When sulfate is used as an electron acceptor for anaerobic biodegradation it is reduced to sulfide. Due to the inconclusive nature of data collected during the 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 has an effect on the 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. The groundwater temperature affects the 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.

3.0 FREE PRODUCT REMOVAL ACTIVITIES

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

Figure 15 illustrates the historical free product thickness measured in both wells SOMA-4 and B-8. Since the installation of the FAP system in February 2004, free product has significantly decreased in well SOMA-4. The thickness of free product in SOMA-4 has significantly reduced since June 2003.

In August 2004, SOMA converted borings B-3 and B-8 into wells for the purpose of removing free product from these locations. The FAP system was installed in SOMA-4 and B-8 to remove free product from these locations. As of June 27, 2006, approximately 1,585 gallons of free product and contaminated groundwater have been removed from wells SOMA-4 and B-8, and transported off-site by NRC. SOMA has continued to conduct the free product program for these wells, which includes actively checking the free product levels in these wells and removing it. Table 7 shows the field observations for wells SOMA-4 and B-8.

4.0 CONCLUSIONS AND RECENT ACTIVITIES

Based on the data obtained during the Second Semi-Annual 2006 groundwater monitoring event, our conclusions are as follows:

1. All analyzed constituents in the furthest down-gradient well, LFR-3, with the exception PCE (which was detected at 23 ug/L) were below the laboratory reporting limit. Furthermore, all analyzed constituents in the furthest up-gradient well, MW-11, with the exception of a trace MtBE concentration (1.0 ug/L), were below the laboratory reporting limit.
2. The data collected to date regarding the distribution of PCE and other VOCs in the groundwater demonstrate that PCE has degraded into some of its breakdown products. PCE levels in the source area have declined. For example, the level of PCE in SOMA-2 has dropped from 1,400 ug/L in 2001 to less than 42 ug/L. 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 vinyl chloride, ethane and ethene and finally carbon dioxide, water, and chloride. This sequence of degradation would be anticipated where the biological reductive dehalogenation of PCE is occurring. Some of these breakdown products and relative concentrations are present at the Site.
3. The presence of TCE in wells B-10, GW-2, LFR-1, SOMA-1, and SOMA-3, during the current sampling event, demonstrates that PCE degradation is

occurring. The presence of concentrations of cis-1,2-DCE in wells B-10, GW-2, LFR-1, LFR-4, SOMA-1, SOMA-2, SOMA-3, and SOMA-5 is also indicative of biodegradation.

4. The results of DO, nitrate, manganese, sulfate, ferrous iron, methane, and ORP measurements demonstrate that conditions in the apparent source area are conducive to the reductive dechlorination processes.
5. In general, the apparent source area still appears to be in the region of wells SOMA-2, SOMA-3, SOMA-5, and B-10.
6. The PCE level found in LFR-3 (23 ug/L) was relatively low, and was below the level found in well GW-3 (400 ug/L). This is consistent with the results of the modeling study, which predicted that low levels of PCE could appear in the most downgradient monitoring well. However, based on the simulated results, the PCE plume in SOMA-2 and LFR-1 will gradually disappear in seven years. This is due to the natural bioattenuation of PCE caused by advection and dispersion processes.

SOMA recommends the following items:

- Continuing the free product program for wells B-8 and SOMA-4; and
- Continued sampling of temporary well B-10 during the semi-annual monitoring events.

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TABLES

Table 1
Construction Data for Temporary Sampling Points and Monitoring Wells
Former Glovatorium Site
3815 Broadway, 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	81.62	81.39	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

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.

Table 2
Historical Groundwater Elevation Data (feet)
Former Glovatorium Site
3815 Broadway, Oakland, California

Date	B-2	B-3	B-7	B-8	B-9	B-10	B-13
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
3815 Broadway, Oakland, California

Date	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6A	GW-8	MW-8	MW-9	MW-11
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
3815 Broadway, Oakland, California

Date	LFR-1	LFR-2	LFR-3	LFR-4	SOMA-1	SOMA-2	SOMA-3	SOMA-4	SOMA-5
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	74.60	71.99	FP	76.78
5-Jul-05	70.26	71.52	67.45	69.31	68.55	72.78	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	70.35	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									

Notes:

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

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

NM= not measured

FP= Floating product or sheen was observed.

* Monitoring well GW-1 was dry

Table 3
Historical Analytical Results and Field Measurements for
Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples
Former Glovatorium Site
3815 Broadway, 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 B-7 field	11-Aug-00	760	39	202						6.86	17.55	1279
	11-Aug-00					-1.00	0.05	<0.0005	<0.0005			
	31-Oct-00	760	42	200	14.00	<0.1	<2.0			6.16	16.05	1454
	31-Oct-00				17.22	-1.00	-1.00					
	31-Jan-00	720	43	170	12.00	<0.1	<2.0			6.79	13.90	1424
B-7 field	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-10 field B-10	10-Aug-00					0.02	0.06					
	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				6.10	<0.1	<2.0					
	31-Jan-01	480	81	72	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	
Temporary Sampling Points Installed by LFR												
GW-2 GW-2 field	01-Nov-00									6.31	18.97	1218
	30-Jan-01			63								
	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
3815 Broadway, 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
GW-3	11-Aug-00	340	25	54						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
GW-3 field	1-Feb-01			54								
	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	

Table 3
Historical Analytical Results and Field Measurements for
Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples
Former Glovatorium Site
3815 Broadway, 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				2.00	0.04				6.60	13.48	479
	26-Jul-01									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	
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					
MW-11 field	1-Nov-00	300	120	190	<0.05	<0.1	<2.0					
	1-Nov-00				0.01	0.00	-1.00			5.83	20.13	1
MW-11 field	31-Jan-01	330	130	150	<0.05	<0.1	<2.0					
	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	

Table 3
Historical Analytical Results and Field Measurements for
Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples
Former Glovatorium Site
3815 Broadway, 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					
LFR-1 field	29-Jan-01	150	76	28	<0.05	<0.1	<2					
LFR-1 Dup	29-Jan-01				0.00	0.04				6.82	15.00	870
	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
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
3815 Broadway, 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
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					
LFR-3 field	01-Nov-00	350	66	160	<0.05	<0.1	0.00			6.16	17.71	1164
LFR-3 field	01-Nov-00				0.01	0.01	0.00					
LFR-3 field	30-Jan-01	250	31	71	<0.05	<0.1	<2					
	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	

Table 3
Historical Analytical Results and Field Measurements for
Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples
Former Glovatorium Site
3815 Broadway, 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 LFR-4 FB LFR-4 field LFR-4 field LFR-4 field	11-Aug-00	630	71	161				<0.0005	<0.0005	6.90	20.11	1240
	10-Aug-00							<0.0005	<0.0005			
	11-Aug-00				0.22	0.02	0.00					
	31-Oct-00	490	28	130	1.00	<0.1	<2					
	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					
	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	
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

Table 3
Historical Analytical Results and Field Measurements for
Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples
Former Glovatorium Site
3815 Broadway, 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
	SOMA-3	19-Oct-01	NM	NM	NM	0.40	NM	NM	NM	NM	6.91	17.09
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
SOMA-4		Oct-19-01	NM	NM	NM	0.26	NM	NM	NM	NM	6.53	16.88
	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
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

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

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl- benzene (mg/L)	Total Xylenes (mg/L)
Temporary Sampling Points Installed by Geosolv, LLC								
B-2	24-Jan-00	20 ^J	31 ^{YJ}	<0.05	<0.013	<0.013	0.11 ^C	0.22 ^C
B-3	24-Jan-00	4.9 ^J	8.8 ^{YJ}	<0.01	0.0048	<0.0025	<0.0025	0.0714
B-7	24-Jan-00	19	30 ^J	<0.05	<0.013	0.062	<0.013	0.207
	11-Aug-00	3.7 ^J	6.8 ^{YHJ}	0.02	0.0077 ^J	0.047 ^J	0.007 ^J	0.065 ^{CJ}
	31-Oct-00	62 ^J	98 ^{YHJ}	0.01 ^J	0.0091 ^J	0.061 ^J	<0.0005	0.237 ^J
	27-Jul-01	2.5	5.2 ^{HY}	0.0057	0.0070	0.051	0.0082	0.0740
	31-Jan-01	5.3	7.9	0.0100	0.0089	0.059	0.0097	0.0870
26-Apr-01	4.5	8.9 ^H	0.0069	0.0110	0.071	0.077 ^C	0.2080	
B-8	24-Jan-00	11 ^J	19 ^{YJ}	<0.01	<0.0025	<0.0025	<0.0025	0.17 ^C
B-9	24-Jan-00	1 ^{YJ}	1.8 ^{YHJ}	<0.002	<0.0005	<0.0005	0.01 ^C	0.0089 ^C
B-10	24-Jan-00	2.4 ^Y	4.2	0.0140 ^C	0.0072	0.027	0.025 ^C	0.032
	10-Aug-00	2.8 ^Y	6.1 ^Y	0.1600	0.0073	0.012	<0.005	0.0241
	31-Oct-00	2.2 ^{YZ}	3.5 ^Z	<0.002	0.0038	0.011	<0.0005	0.0182
	27-Jul-01	1.7	3.6 ^H	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	31-Jan-01	2.4 ^Z	3.6 ^{HYZ}	<0.002	0.0031	0.010	0.00076 ^C	0.0197
	26-Apr-01	2.4 ^Z	4.7 ^Z	0.0025	0.0041	0.013	ND	0.0290
	6-Jul-05	3.4 ^H	4.5 ^{HY}	<0.1	<0.1	<0.1	<0.1	<0.1
	9-Jan-06	11 ^Y	15	<0.1	<0.1	<0.1	<0.1	<0.1
6-Jul-06	1.3	2.2^{HY}	<0.1	<0.1	<0.1	<0.1	<0.1	
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
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
GW-2 cont.	31-Jan-02	<0.05	<0.05	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b
	16,17-Apr-02	<0.05	<0.05	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22-Oct-02	<0.05	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	19-Feb-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jul-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	28-Jan-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	4-Aug-04	0.054 ^{YZ}	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jul-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
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	<0.0020	<0.0005	<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

Table 4
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Former Glovatorium Site
3815 Broadway, Oakland, California

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

Table 4
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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	
Monitoring Wells Installed by LFR								
LFR-1 Split	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
	30-Oct-00	0.24 ^{YZ}	0.37 ^{YZ}	0.0043	<0.0005	<0.0005	<0.0005	<0.0005
	29-Jan-01	0.21 ^{YZ}	0.31 ^{YZ}	0.0033	<0.0005	<0.0005	<0.0005	<0.0005
	26-Apr-01	0.092	0.18 ^{YZ}	0.0044	<0.0005	0.002	<0.0005	<0.0005
	27-Jul-01	0.086	0.18 ^{YZ}	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
	18-Oct-01	0.19	0.38	<0.031	<0.031	<0.031	<0.031	<0.062
	31-Jan-02	0.15 ^{YZ}	0.27 ^{YZ}	<0.013 ^b	<0.013 ^b	<0.013 ^b	<0.013 ^b	<0.013 ^b
	16,17-Apr-02	0.10 ^{YZ}	0.17 ^{YZ}	< 0.013	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	0.084 ^{YZ}	0.14 ^{YZ}	<0.013	<0.013	<0.013	<0.013	<0.013
	22,23-Oct-02	<0.05	0.078 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	18-Feb-03	0.076 ^{YZ}	0.110 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	<0.05	0.068 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jan-04	0.060 ^{YZ}	0.100 ^{YZ}	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
	4-Aug-04	<0.05	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	<0.05	0.056 ^{YZ}	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
6-Jul-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

Table 4
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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	
LFR-3 Split	10-Aug-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	10-Aug-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	1-Nov-00	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	30-Jan-01	<0.05	<0.05	0.0036	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-01	<0.05	<0.05	0.0024	<0.0005	0.0054	<0.0005	<0.0005
	27-Jul-01	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.01
	31-Jan-02	<0.05	0.067 ^Y	<0.005 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b	<0.005 ^b
	16,17-Apr-02	<0.05	<0.05	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	19-Feb-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	30-Jul-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jan-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
2-Feb-05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	
5-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9-Dec-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
6-Jan-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
5-Jul-06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

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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	
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	
SOMA-2	19-Oct-01	1.4	2.8	<0.250	<0.2500	<0.250	<0.250	<0.500
	31-Jan-02	1.3	2.4 ^{HY}	<0.071 ^b	<0.0710 ^b	<0.071 ^b	<0.071 ^b	<0.071 ^b
	16,17-Apr-02	1.3 ^L	2.2 ^H	< 0.130	0.0067	0.046	0.012	0.044
	17,18-Jul-02	2.6	4.4 ^{HY}	<0.063	<0.063	<0.063	<0.063	<0.063
	22,23-Oct-02	0.37	0.600 ^{HY}	0.300	<0.0071	<0.0071	<0.0071	<0.0071
	19-Feb-03	0.30	0.460 ^{HY}	0.210	<0.017	<0.017	<0.017	<0.017
	29-Jul-03	0.27	0.400 ^{HY}	0.300	<0.020	<0.020	<0.020	<0.020

Table 4
Historical Analytical Results for Total Petroleum Hydrocarbon, BTEX and MtBE
in Groundwater Samples
Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	TPH-ss (mg/L)	TPH-g (mg/L)	MtBE (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
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
SOMA-3	19-Oct-01	0.42	0.83	0.65	<0.02500	<0.02500	<0.0250	<0.0500
	31-Jan-02	0.23	0.41 ^{HY}	0.31 ^b	<0.01300 ^b	<0.01300 ^b	<0.0130 ^b	<0.0130 ^b
	16,17-Apr-02	0.61	1.00 ^{HY}	0.42	0.00078	0.00068	<0.0005	<0.0005
	17,18-Jul-02	0.41	0.69 ^{HY}	0.38	<0.017	<0.017	<0.017	<0.017
	22,23-Oct-02	3.00	4.700 ^{HY}	<0.17	<0.170	<0.170	<0.170	<0.170
	19-Feb-03	2.50	3.800 ^{HY}	<0.13	<0.130	<0.130	<0.130	<0.130
	29-Jul-03	2.10	3.100 ^{HY}	<0.13	<0.130	<0.130	<0.130	<0.130
	29-Jan-04	4.10	6.8 ^{HY}	<0.31	<0.310	<0.310	<0.310	<0.310
	4-Aug-04	4.00	3.6 ^{HY}	<0.50	<0.500	<0.500	<0.500	<0.500
	2-Feb-05	0.27	0.36 ^{HY}	0.25	<0.063	<0.063	<0.063	<0.063
6-Jul-05	0.32	0.43 ^{HY}	0.32	0.0017	<0.0005	<0.0005	0.0016	
6-Jan-06	0.22	0.30 ^{HY}	0.39	0.0014	<0.0005	<0.0005	0.0012	
	6-Jul-06	0.14	0.27^{HY}	0.500	<0.005	<0.005	<0.005	<0.005
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	
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

Notes:

- ^b Analysis was carried out npast the hold date, no analytical problems were encountered
- ^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, LFR-4 was not analyzed during the Second Quarter 2002 due to the well being inaccessible.
Not Analyzed. Well LFR-4 inaccessible during the Third Quarter 2004 Monitoring Event.
- ^Y Sample exhibits fuel pattern which does not resemble standard.
- ^Z Sample exhibits unknown single peak or peaks.

FP: Free product detected in SOMA 4.

TPH, purge = Total petroleum hydrocarbons (purgeable)

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

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
Temporary Sampling Points Installed by Geosolv, LLC							
B-2	24-Jan-00	<0.0013	<0.0013	0.27	0.001	< 0.0013	< 0.0013
B-3	24-Jan-00	< 0.0020	< 0.002	0.61	< 0.002	< 0.002	< 0.002
B-7	24-Jan-00	< 0.0036	< 0.0036	0.92	0.004	< 0.0036	< 0.0036
	11-Aug-00	< 0.0031	< 0.0031	0.86	0.005	< 0.0031	< 0.0031
	31-Oct-00	< 0.0042	< 0.0042	0.91	0.004	< 0.0042	< 0.0042
	27-Jul-01	0.01	0.017	0.86	0.005	<0.0031	<0.0031
	27-Apr-01	<0.0031	<0.0031	1.10	0.007	<0.0031	<0.0031
	31-Jan-01	< 0.0042	< 0.0042	0.92	0.005	< 0.0042	< 0.0042
B-8	24-Jan-00	< 0.0005	< 0.0005	0.035	< 0.0005	< 0.0005	< 0.0005
B-9	24-Jan-00	< 0.0005	0.001	0.003	< 0.0005	< 0.0005	< 0.0005
B-10	24-Jan-00	1.20	2.40	14.00	0.090	< 0.063	< 0.063
	10-Aug-00	2.90	1.60	6.50	0.050	< 0.025	< 0.025
	31-Oct-00	2.40	1.90	7.10	0.061	< 0.025	< 0.025
	27-Jul-01	1.70	1.40	7.30	0.043	<0.025	<0.025
	27-Jul-01	0.87	0.81	6.60	0.041	<0.025	<0.025
	31-Jan-01	2.10	1.60	6.60	0.044	< 0.025	< 0.025
	6-Jul-05	0.59	0.34	12.00	<0.1	<0.1	<0.1
	9-Jan-06	0.14	0.29	13.00	<0.1	<0.1	<0.1
	6-Jul-06	0.37	0.38	14.00	<0.1	<0.1	<0.1
B-13	24-Jan-00	0.020	0.029	0.13	0.005	< 0.0005	< 0.0005

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
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3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)	
Temporary Sampling Points Installed by LFR								
GW-2	19-Jul-99	0.014	0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	
	20-Jan-00	0.130	0.019	0.006	< 0.0005	< 0.0005	< 0.0005	
	28-Apr-00	0.120	0.016	0.003	< 0.0005	< 0.0005	< 0.0005	
	2-Nov-00	0.008	0.001	0.003	< 0.0005	< 0.0005	< 0.0005	
	1-Feb-01	0.008	0.001	0.003	< 0.0005	< 0.0005	< 0.0005	
	27-Apr-01	0.010	0.002	0.002	< 0.0005	< 0.0005	< 0.0005	
	27-Jul-01	0.033	0.004	0.002	< 0.0005	< 0.0005	< 0.0005	
	19-Oct-01	0.019	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050	
GW-2 cont.	31-Jan-02	0.0092 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<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	
	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	
Split		27-Apr-00	0.350	0.002	0.006	< 0.0005	< 0.0005	< 0.0005
		27-Apr-00	0.270	0.002	0.002	< 0.0013	< 0.0013	< 0.0013
11-Aug-00		0.068	0.003	0.012	< 0.0005	< 0.0005	< 0.0005	
2-Nov-00		0.059	0.001	0.002	< 0.0005	< 0.0005	< 0.0005	
1-Feb-01		0.046	0.001	0.001	< 0.0005	< 0.0005	< 0.0005	
27-Apr-01		0.079	0.001	0.002	< 0.0005	< 0.0005	< 0.0005	
27-Jul-01		0.090	0.001	<0.0005	<0.0005	<0.0005	<0.0005	
19-Oct-01		0.180	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	
31-Jan-02		0.0960 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b	
16,17-Apr-02		0.160	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050	
17,18-Jul-02		0.086	<0.005	<0.005	<0.005	<0.01	<0.005	
22,23-Oct-02		0.200	<0.0071	<0.0071	<0.0071	<0.014	<0.0071	
19-Feb-03		0.240	<0.005	0.006	<0.005	<0.010	<0.005	
29-Jul-03		0.430	<0.010	<0.010	<0.010	<0.010	<0.010	
28-Jan-04		0.170	<0.005	<0.005	<0.005	<0.010	<0.005	
3-Aug-04		0.440	<0.017	<0.017	<0.017	<0.033	<0.017	
2-Feb-05		0.360	<0.031	<0.031	<0.031	<0.063	<0.031	
6-Jul-05		0.320	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6-Jan-06	0.200	0.0008	<0.0005	<0.0005	<0.0005	<0.0005		
6-Jul-06	0.400	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
GW-4 Split	19-Jul-99	< 0.0005	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	20-Jan-00	0.001	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	20-Jan-00	0.001	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	27-Apr-00	0.002	< 0.0005	0.001	< 0.0005	< 0.0005	0.001
	30-Jan-01	< 0.0005	< 0.0005	0.002	< 0.0005	< 0.0005	0.001
	27-Jul-01	< 0.0005	< 0.0005	0.003	< 0.0005	0.001	0.002
	19-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	28-Jan-04	0.0081	<0.005	0.010	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	1-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
6-Jul-05	0.0006	<0.0005	0.0013	<0.0005	<0.0005	0.0011	
5-Jan-06	<0.0005	<0.0005	0.0018	<0.0005	<0.0005	0.0015	
GW-5	27-Aug-99	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	20-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
GW-6A Split	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	25-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	
GW-7 Split	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
	15-Jul-99	< 0.0020	< 0.0020	0.004	< 0.0020	< 0.0020	< 0.0020
GW-8 Split	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
	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

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
Monitoring wells 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

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

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

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
LFR-3 Split	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	1-Nov-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	30-Jan-01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-01	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0050 ^b	<0.0100 ^b	<0.0050 ^b
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	29-Jan-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	2-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	5-Jul-05	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	9-Dec-05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	5-Jul-06	0.023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
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

Table 5
Historical Analytical Results For Volatile Organic Compound Analyses in
Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, Oakland, California

Well Name	Date Sampled	PCE (mg/L)	TCE (mg/L)	cis-1,2-DCE (mg/L)	trans-1,2-DCE (mg/L)	Vinyl Chloride (mg/L)	1,2-DCP (mg/L)
Monitoring wells installed by SOMA							
SOMA-1	19-Oct-01	<0.0050	<0.0050	0.014	<0.0050	<0.0100	<0.0050
	31-Jan-02	0.0056 ^b	<0.0050 ^b	0.0070 ^b	<0.0050 ^b	<0.0100 ^b	0.0057 ^b
	16,17-Apr-02	0.006	<0.0050	0.007	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	0.016	<0.005	<0.01	<0.005
	22,23-Oct-02	0.008	<0.005	0.041	<0.005	<0.010	0.007
	19-Feb-03	0.009	<0.0071	0.016	<0.0071	<0.014	<0.0071
	30-Jul-03	0.016	<0.005	0.042	<0.005	<0.010	0.006
	29-Jan-04	0.019	<0.005	0.044	<0.005	<0.010	0.0059
	3-Aug-04	0.019	<0.013	0.038	<0.013	<0.025	<0.013
	1-Feb-05	0.022	<0.017	0.028	<0.017	<0.033	<0.017
	5-Jul-05	0.041	0.0026	0.051	<0.0017	<0.0017	0.0046
	5-Jan-06	0.019	0.0013	0.028	<0.0005	<0.0005	0.0026
	5-Jul-06	0.037	0.0028	0.057	<0.002	<0.002	0.0037
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
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	
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
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

Notes:

<: Not detected above the laboratory reporting limits.

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

FP: Not Analyzed due to Free Product

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

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters
in Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, 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-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	
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
3815 Broadway, 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		
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		
	GW-3-field	29-Jan-01	8.80					0.0120		
		1-Feb-01	8.99						235	
		27-Apr-01	2.90	0.0	0.7	30	0.00	0.0150	212	NM
	GW-3 field	26-Jul-01	2.48	0.0	2.4	52	0.12	0.0083	214	
		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	0.00	<0.005	61		
		6-Jul-06	5.69	3.1	0.0	31.0	0.00	<0.005	63	
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
3815 Broadway, 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	0.0	3.30	3.40	110		
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		
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
3815 Broadway, 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 LFR-1	18-Oct-01	1.03	0.0	6.9	24	0.18	0.0054	119	NM
	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	
	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	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters
in Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, 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	
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	

Table 6
Historical In-Situ and Ex-Situ Analyses Results for Bioattenuation Parameters
in Groundwater Samples
at the Former Glovatorium Site
3815 Broadway, 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	0.00	0.60	156	
	5-Jul-06	6.79	1.8	0.0	13.0	0.00	1.10	66	
	SOMA-2	18-Oct-01	0.57	0.0	0.4	0.0	40.00	6.60	-89
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	
SOMA-3		18-Oct-01	1.32	0.0	0.0	33	0.22	1.00	2
	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	
	SOMA-4	18-Oct-01	0.83	4.0	22.0	17	0.22	1.20	88
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	

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 Microseep Laboratory.

Since the First Quarter 2005, Curtis & Tompkins has analyzed for methane.

NM: Not Measured. Well LFR-4 was inaccessible during the Third Quarter 2004 monitoring event.

Table 7
Free Product Removal Log
Former Glovatorium Site
3815 Broadway, 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

Table 7
Free Product Removal Log
Former Glovatorium Site
3815 Broadway, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
SOMA-4			
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
2006			
5-Oct-2005	12.80	10.85	1.95
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
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
27-Jun-2006	10.54	10.46	0.08

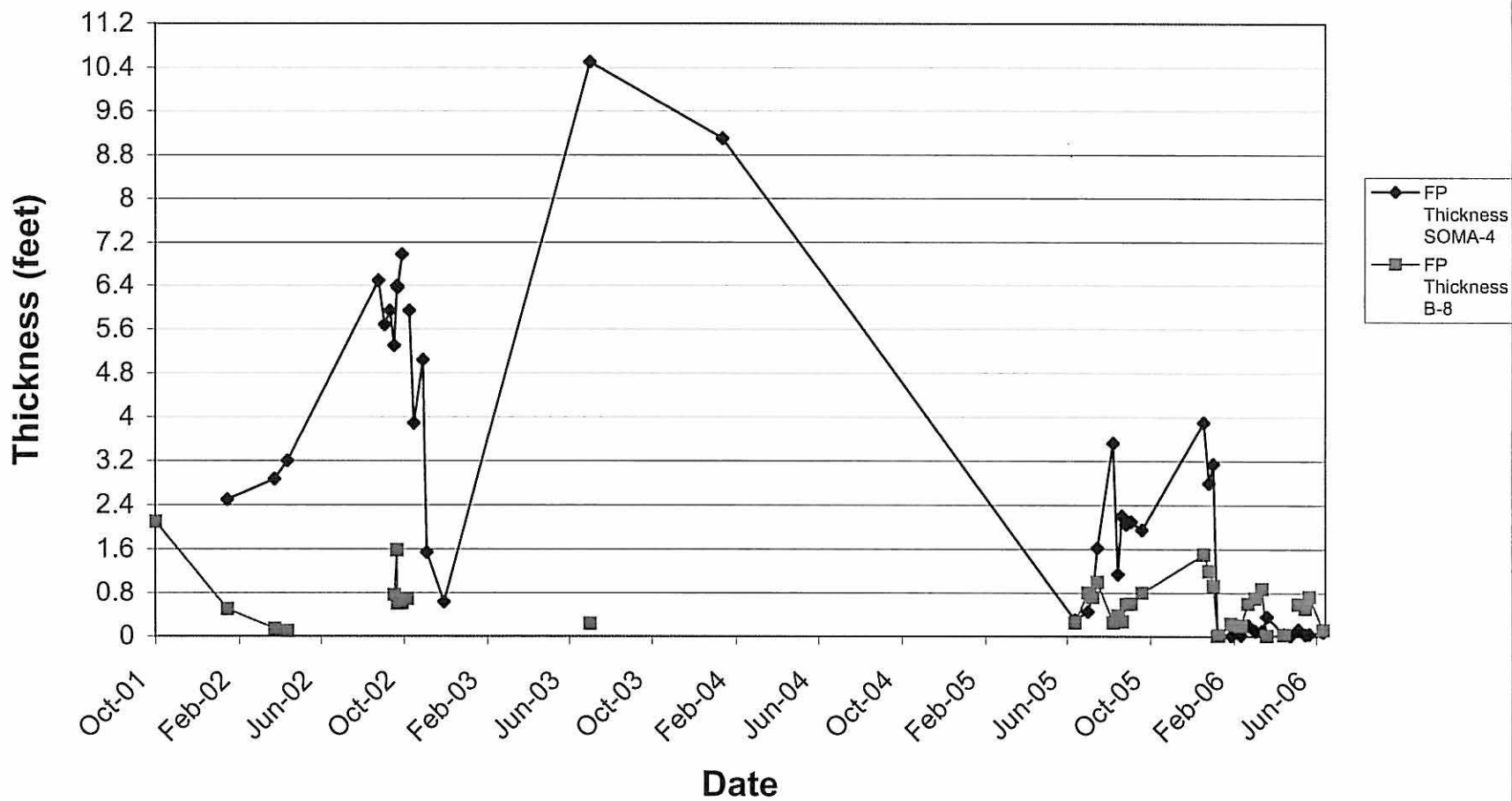
Table 7
Free Product Removal Log
Former Glovatorium Site
3815 Broadway, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
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

Table 7
Free Product Removal Log
Former Glovatorium Site
3815 Broadway, Oakland, CA

Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
B-8			
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
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
27-Jun-2006	9.04	8.92	0.12
27-Jun-2006	removed GeoTech pump from well		

**Free Product Thickness
Former Glovatorium Site
3815 Broadway, Oakland, California**



FIGURES

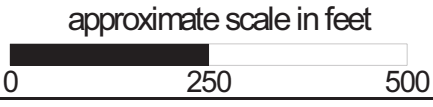


Figure 1: Site vicinity map.



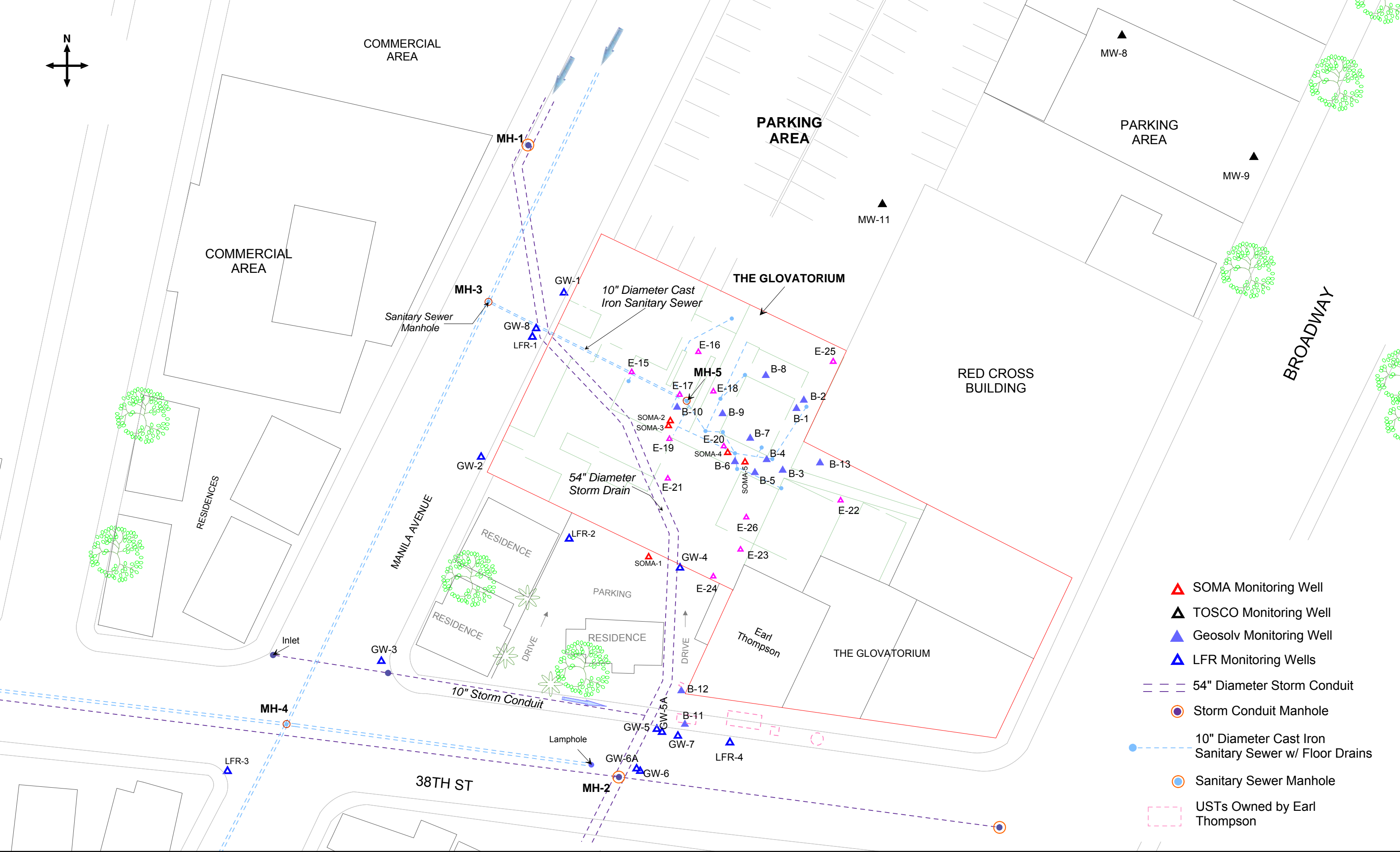
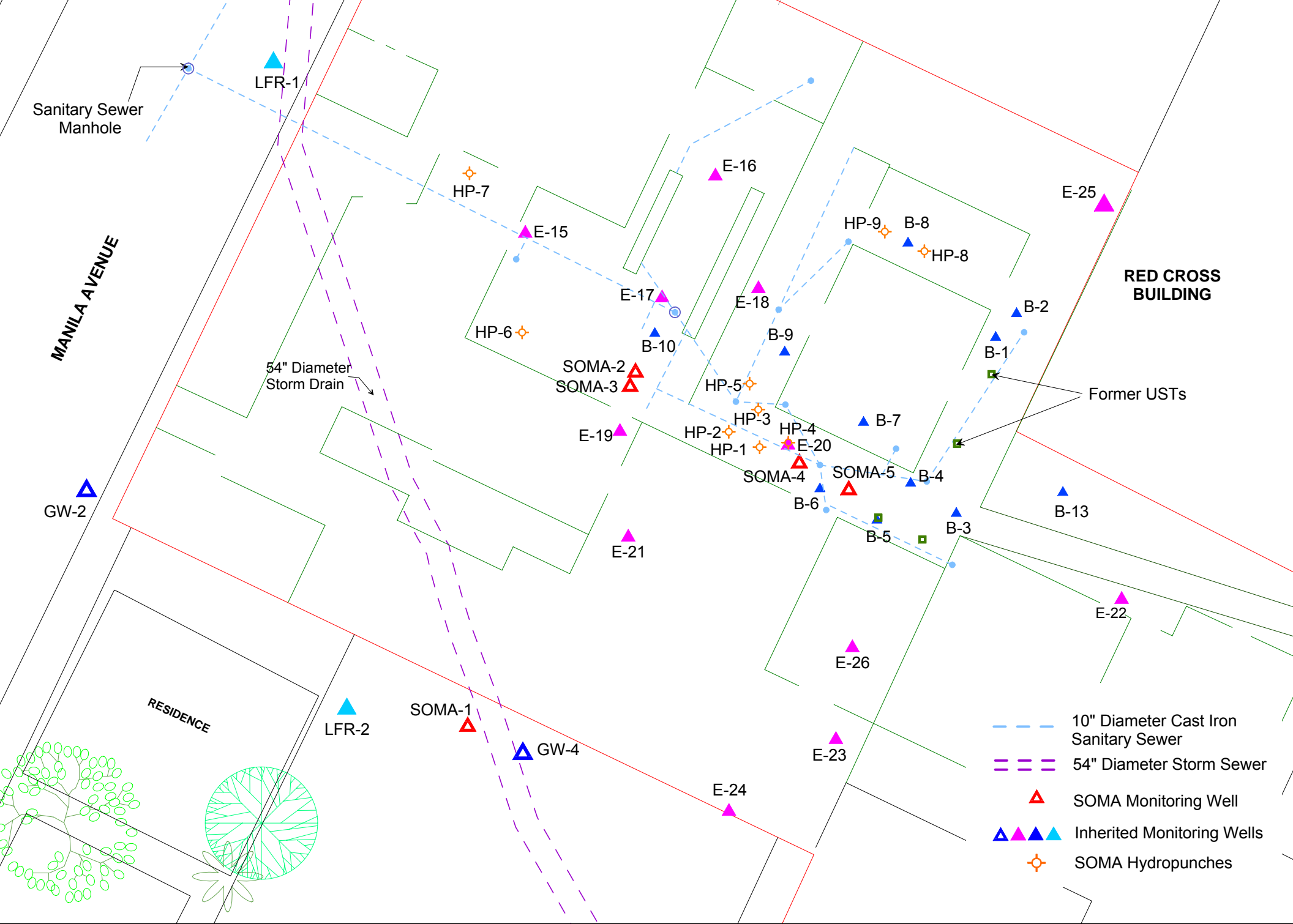


Figure 2: Map showing the approximate locations of groundwater monitoring wells.



- 10" Diameter Cast Iron Sanitary Sewer
- 54" Diameter Storm Sewer
- ▲ SOMA Monitoring Well
- ▲ ▲ ▲ Inherited Monitoring Wells
- ◆ SOMA Hydropunches

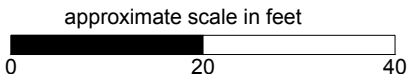


Figure 2a: Map showing the approximate locations of SOMA monitoring wells, SOMA hydropunches, inherited monitoring locations, within the former Glovatorium building.



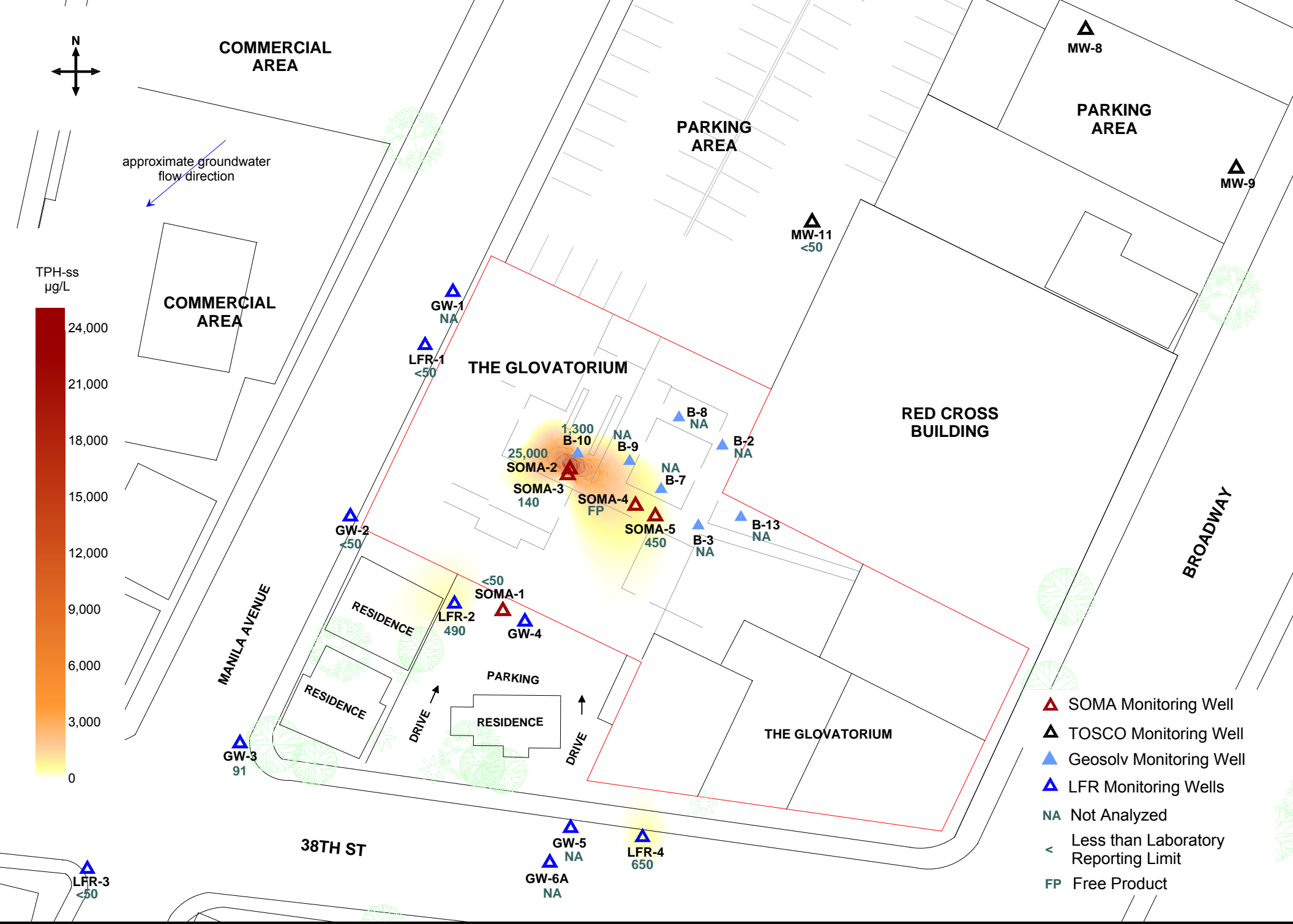


Figure 4: Contour map of TPH-ss concentrations in groundwater. July 2006.

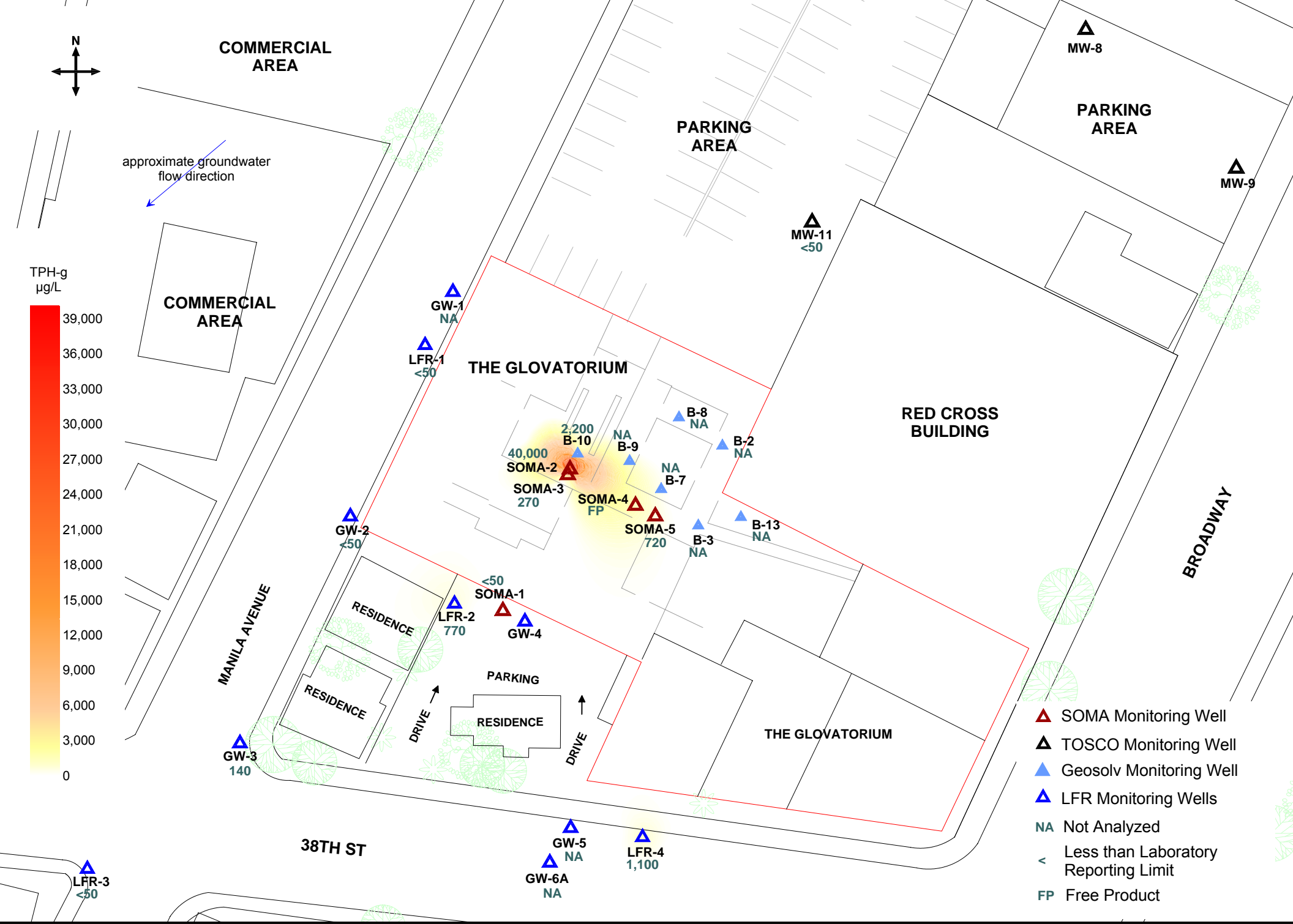


Figure 5: Contour map of TPH-g concentrations in groundwater. July 2006.

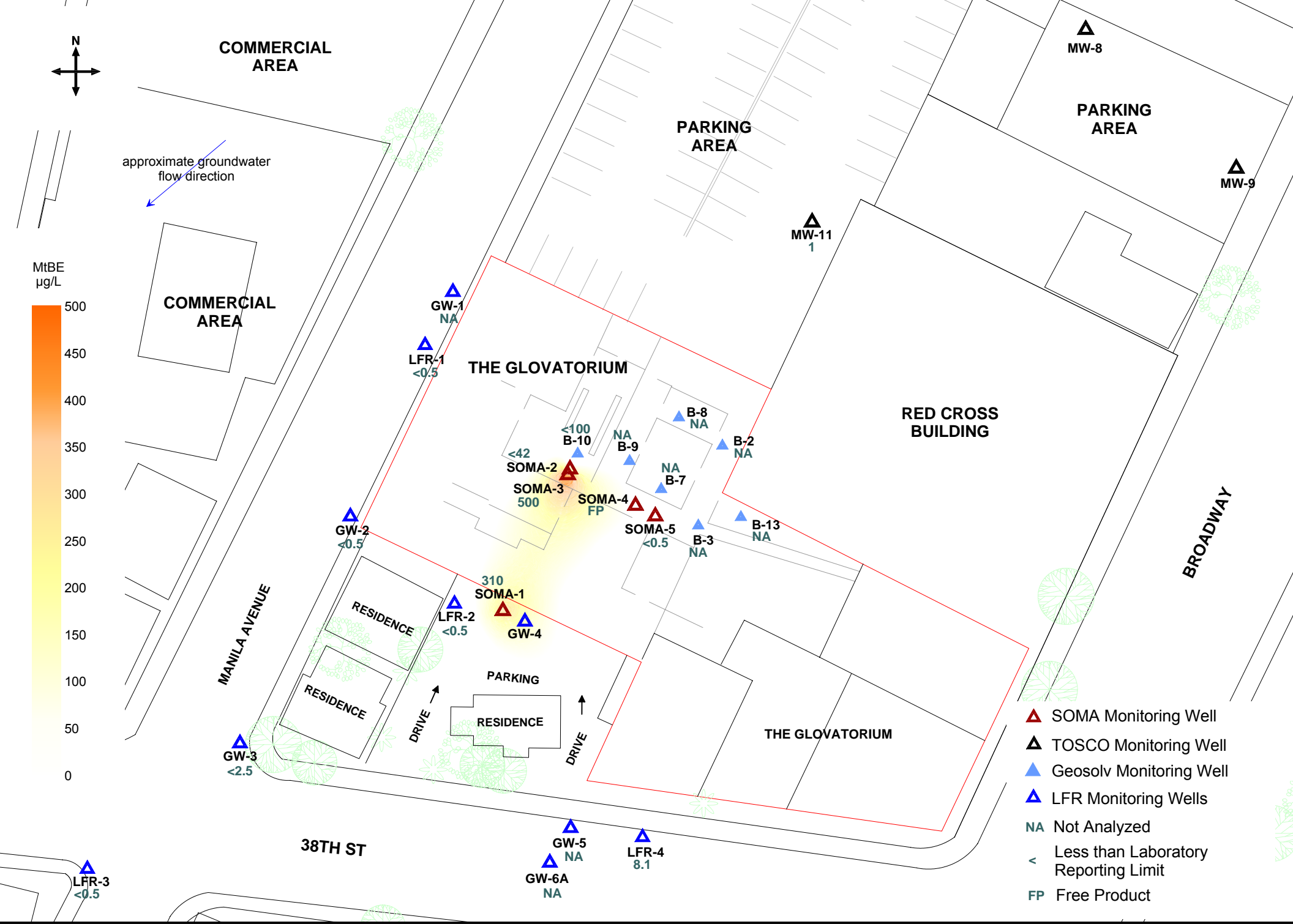
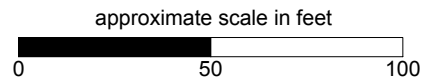


Figure 6: Contour map of MtBE concentrations in groundwater (EPA Method 8260B). July 2006.



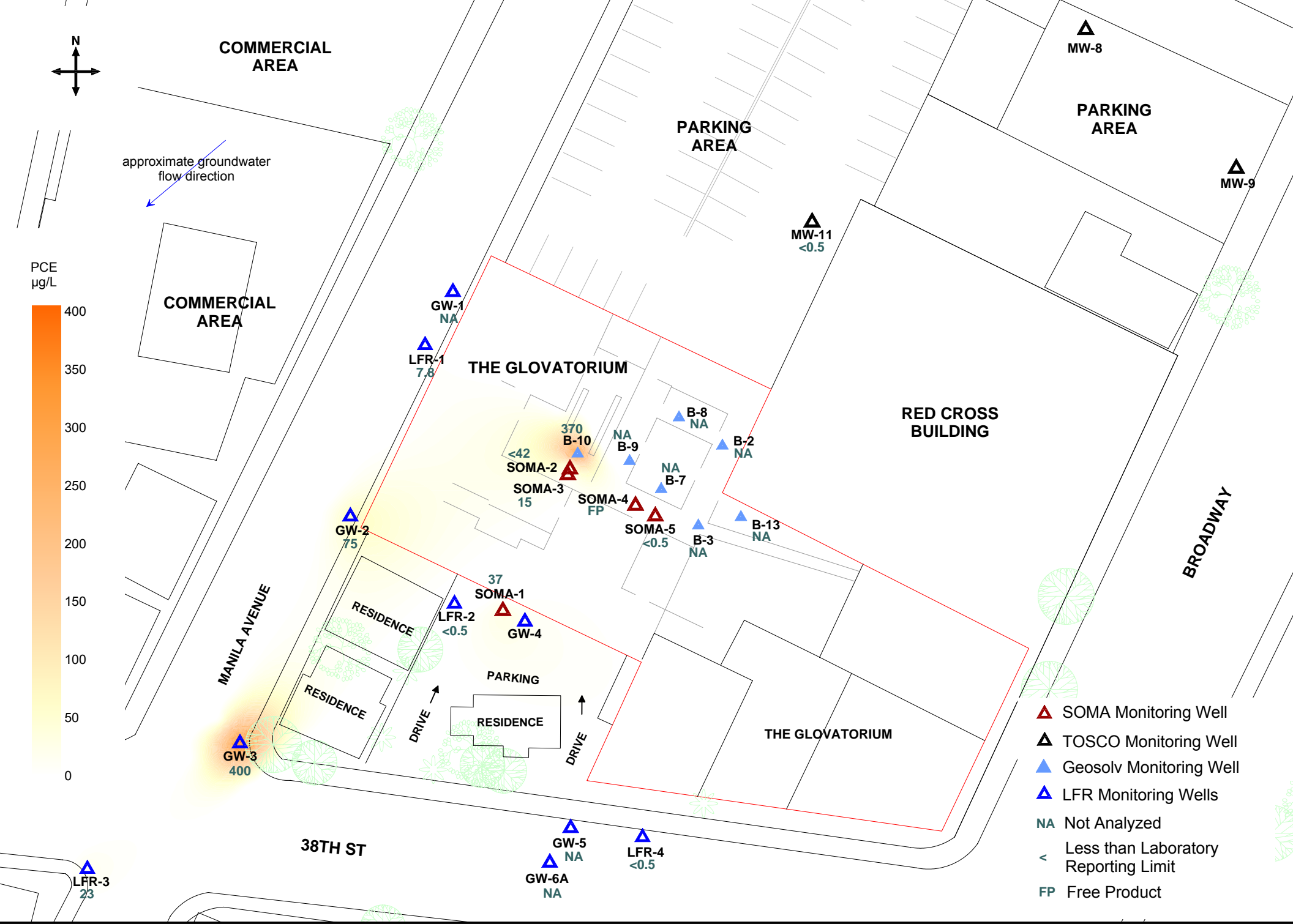
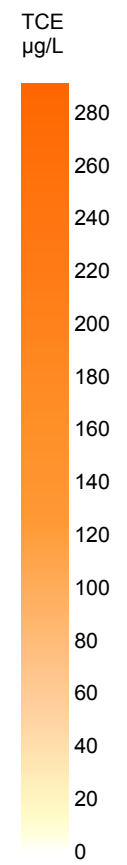
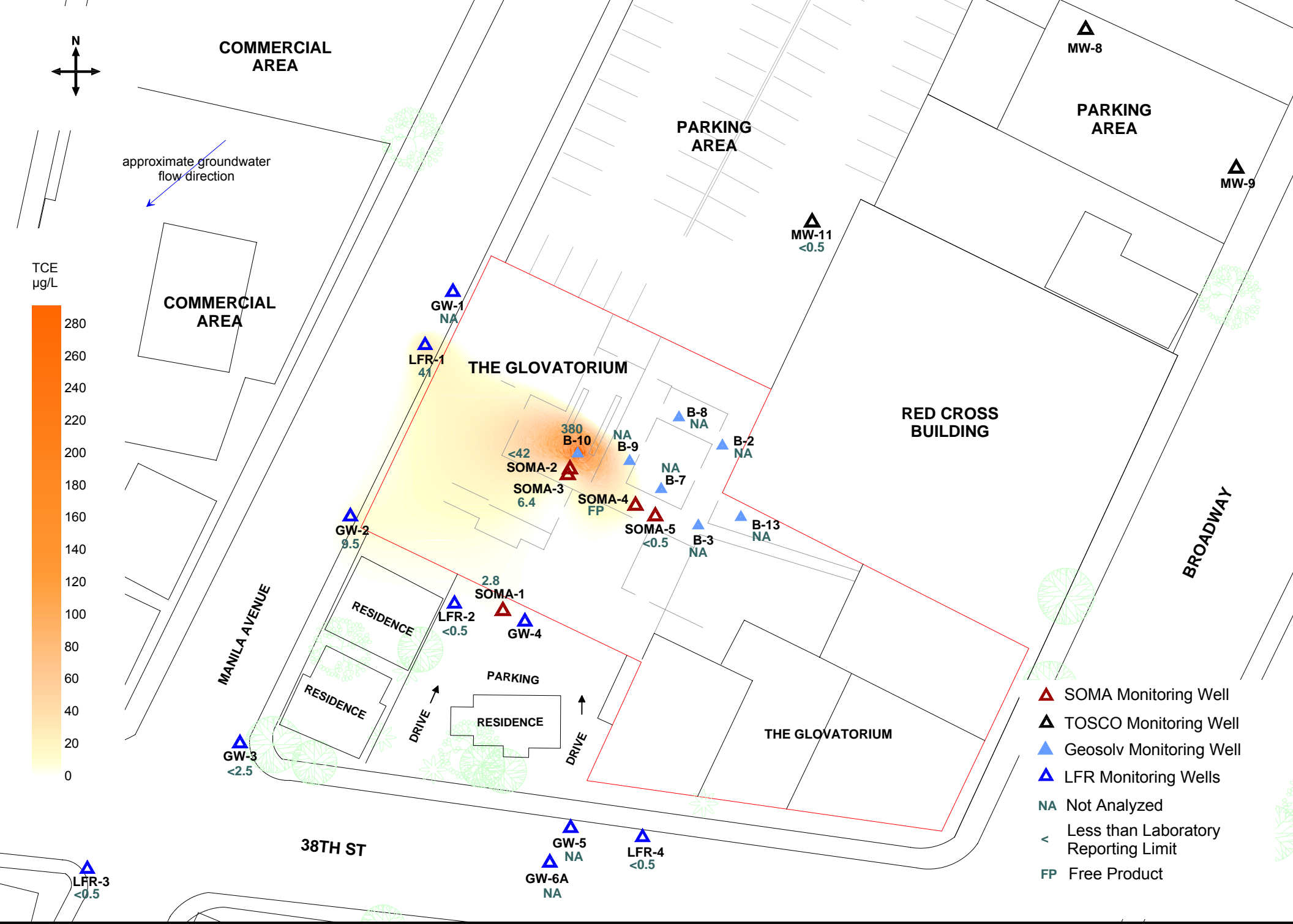


Figure 7: Contour map of PCE concentrations in groundwater. July 2006.



- ▲ SOMA Monitoring Well
- ▲ TOSCO Monitoring Well
- ▲ Geosolv Monitoring Well
- ▲ LFR Monitoring Wells
- NA Not Analyzed
- < Less than Laboratory Reporting Limit
- FP Free Product

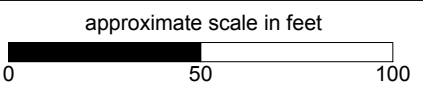


Figure 8: Contour map of TCE concentrations in groundwater. July 2006.



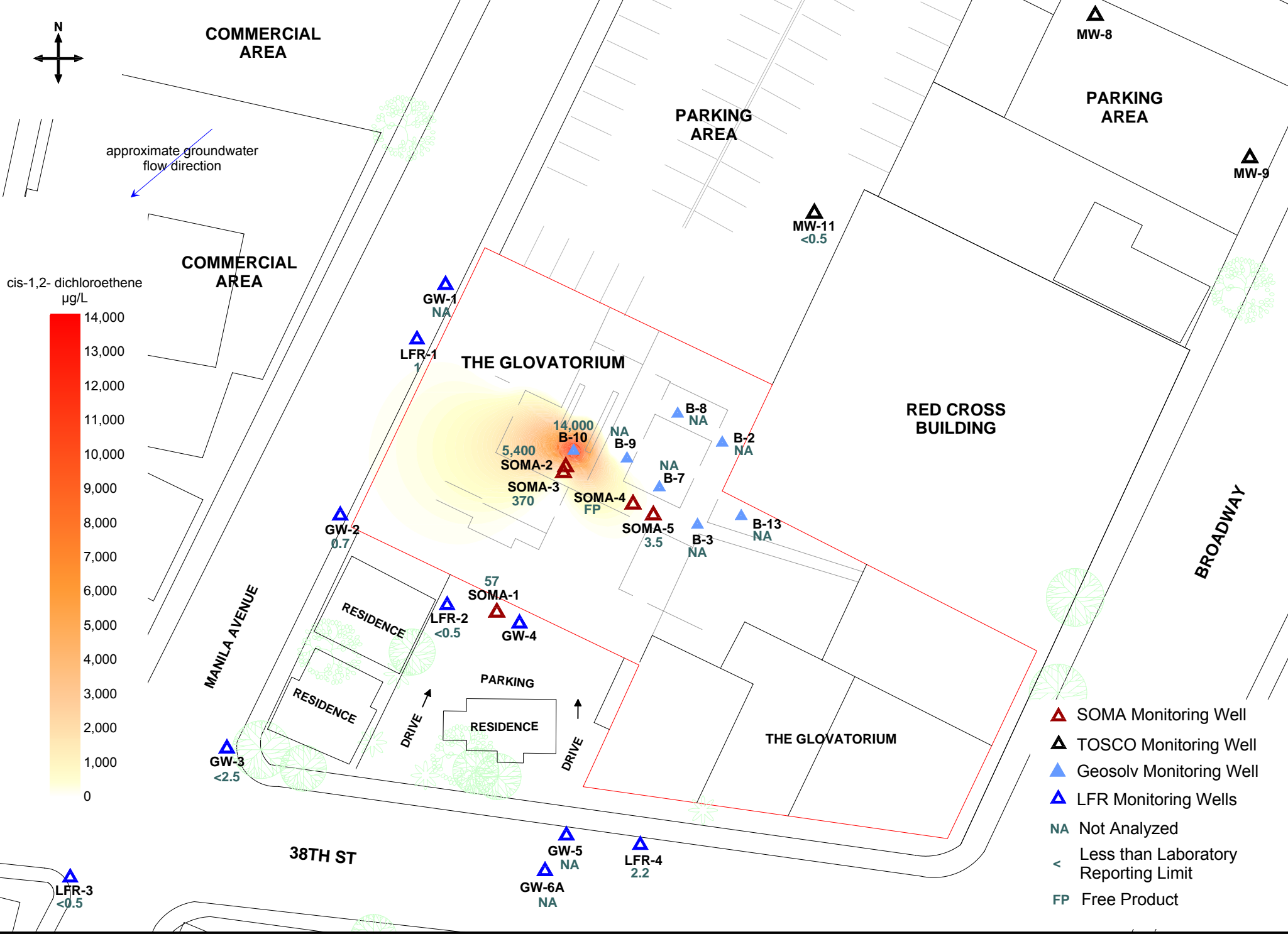


Figure 9: Contour map of cis-1,2-dichloroethene concentrations in groundwater. July 2006.

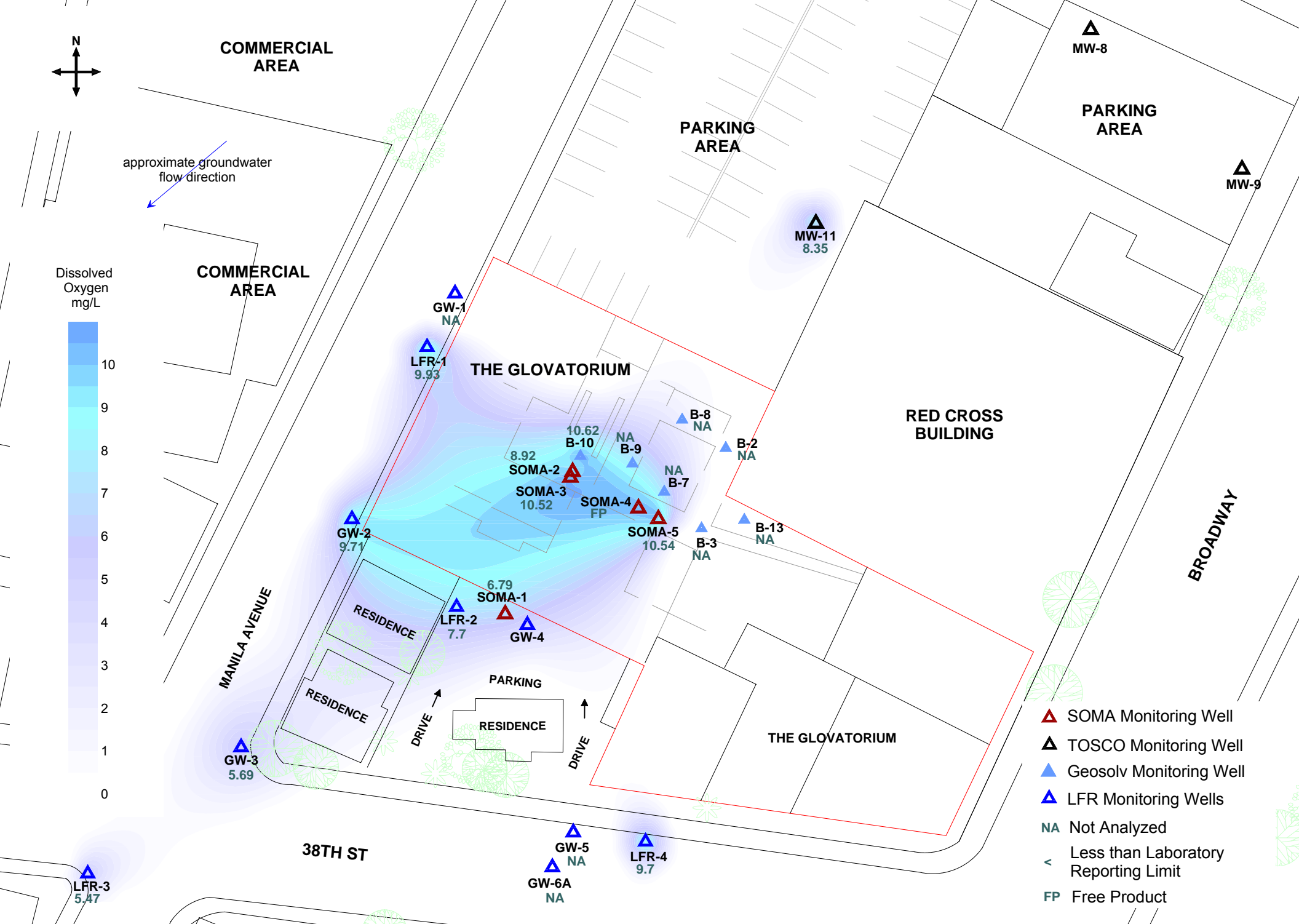
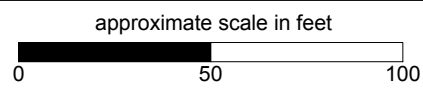


Figure 10: Contour map of dissolved oxygen concentrations in groundwater. July 2006.



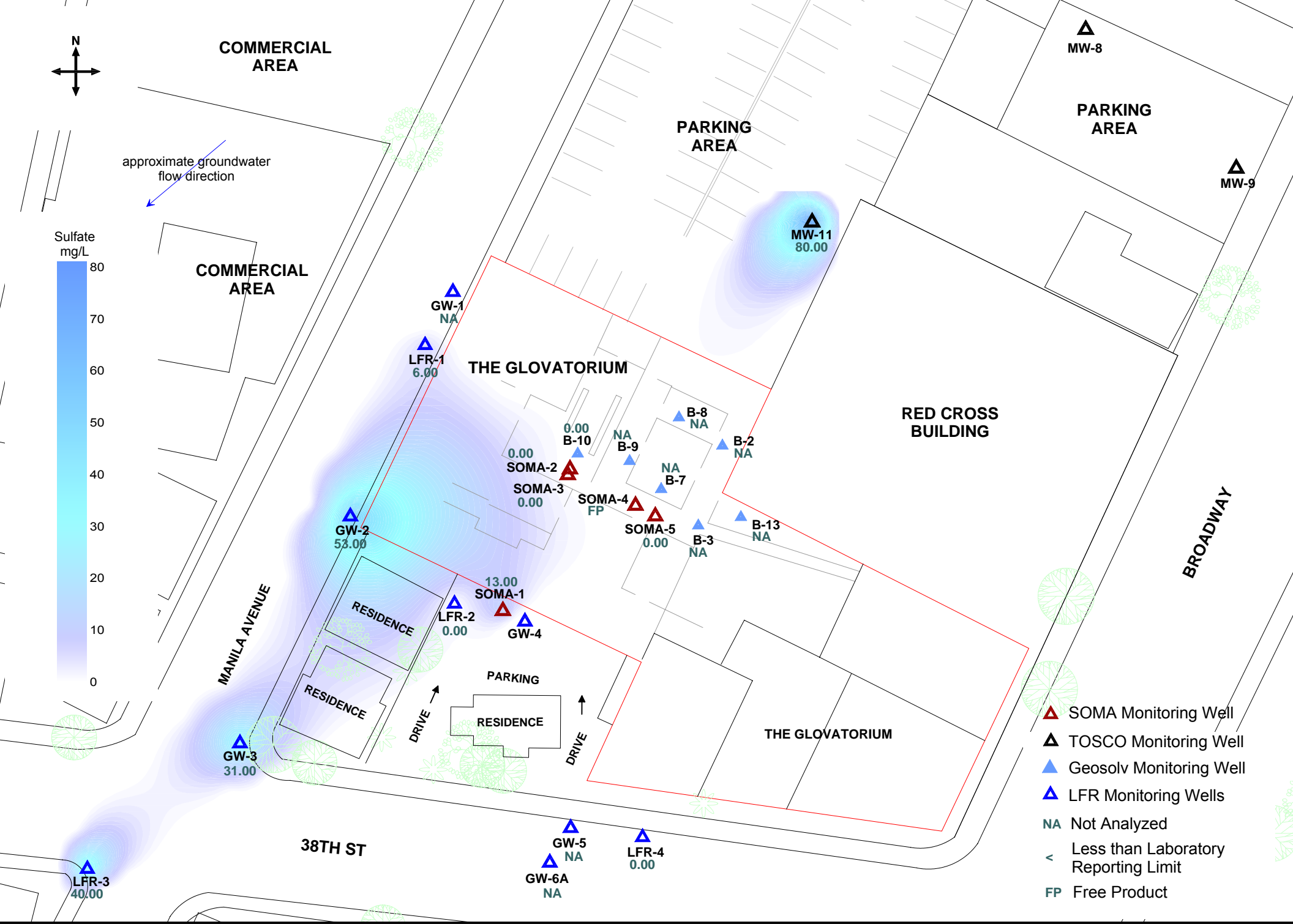
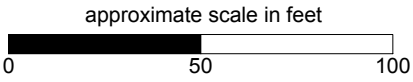


Figure 12: Contour map of sulfate concentrations in groundwater. July 2006.



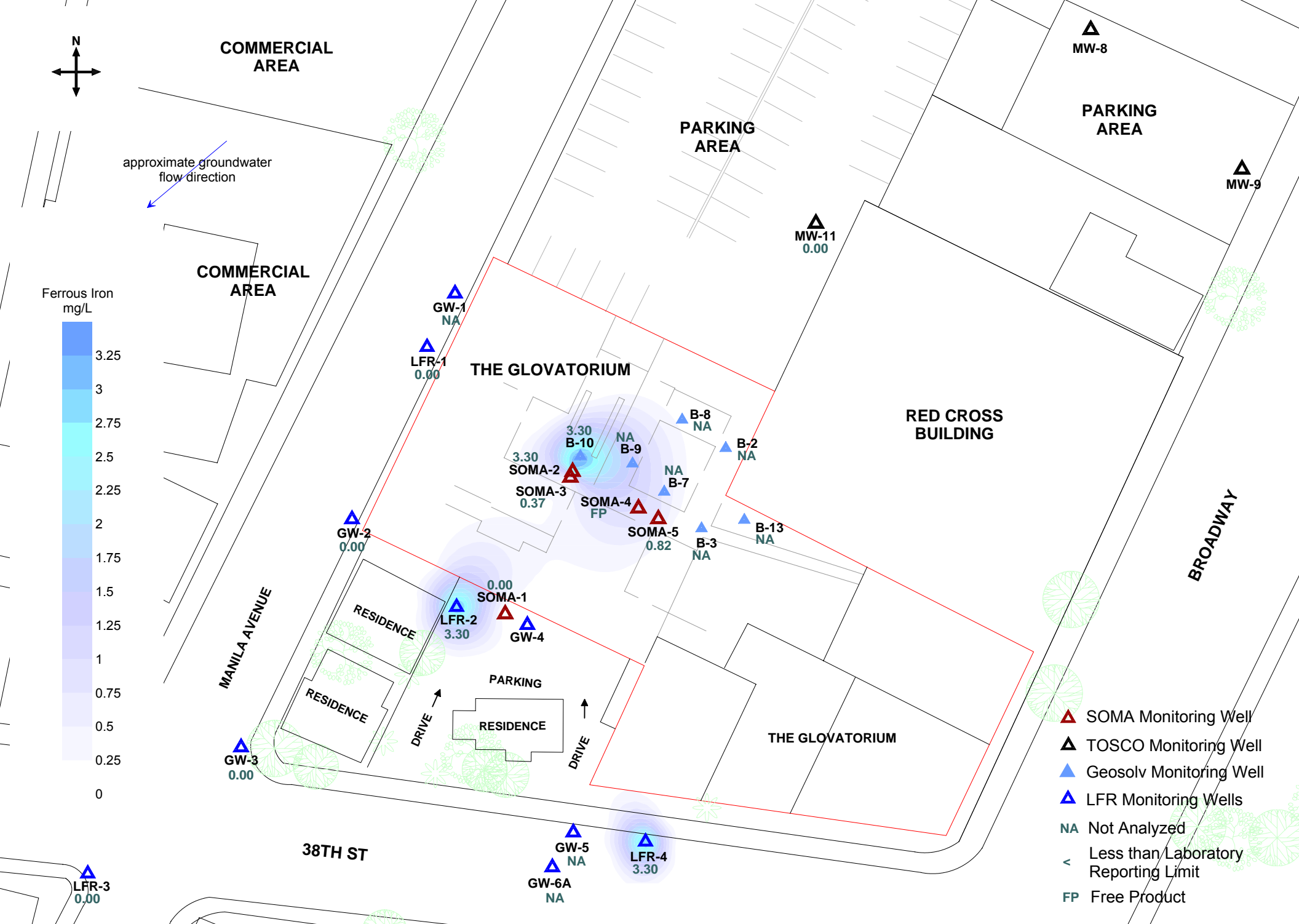
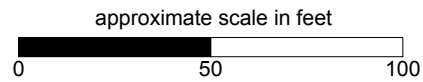


Figure 13: Contour map of ferrous iron concentrations in groundwater. July 2006.



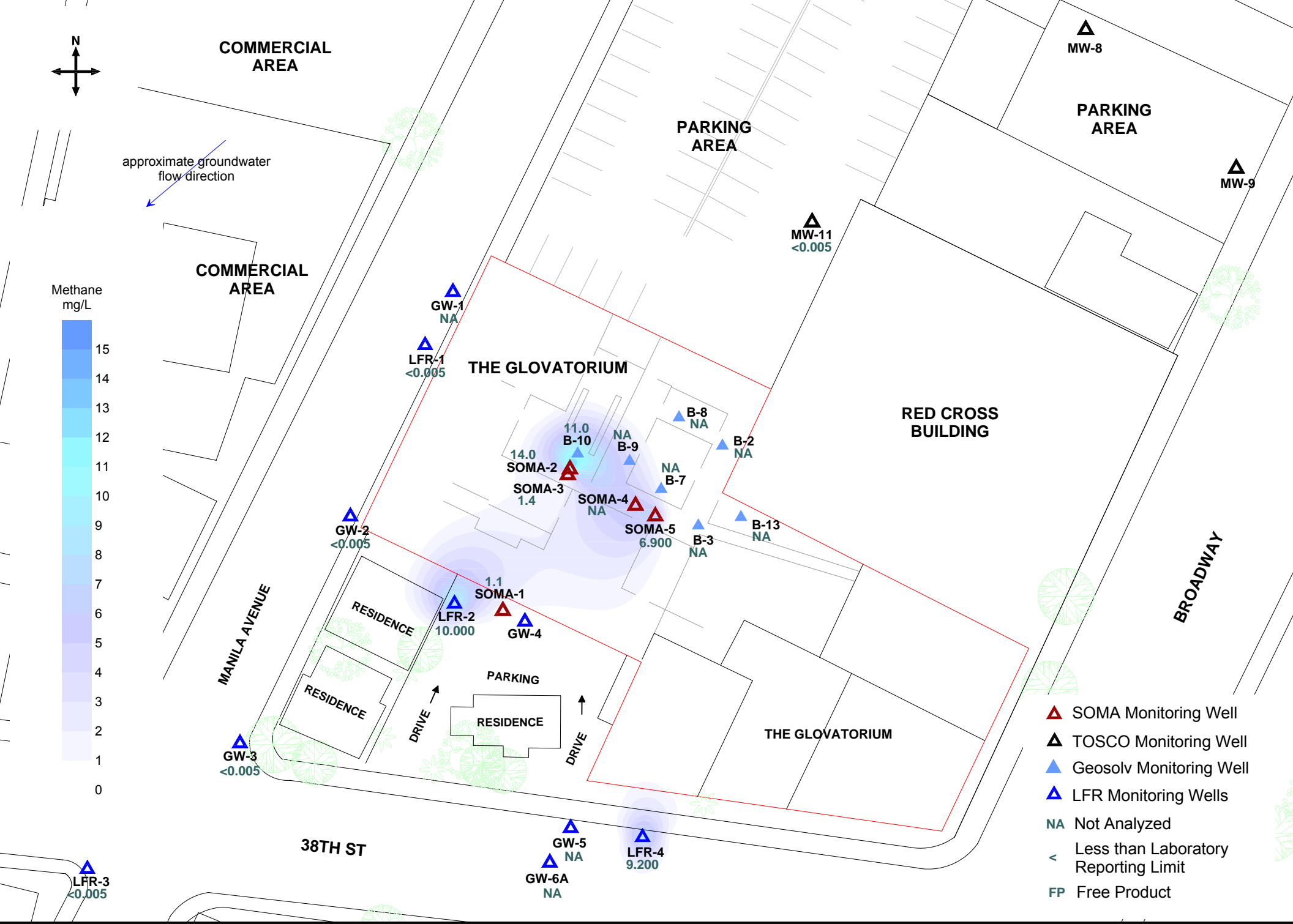


Figure 14: Contour map of methane concentrations in groundwater. July 2006.

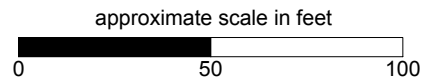
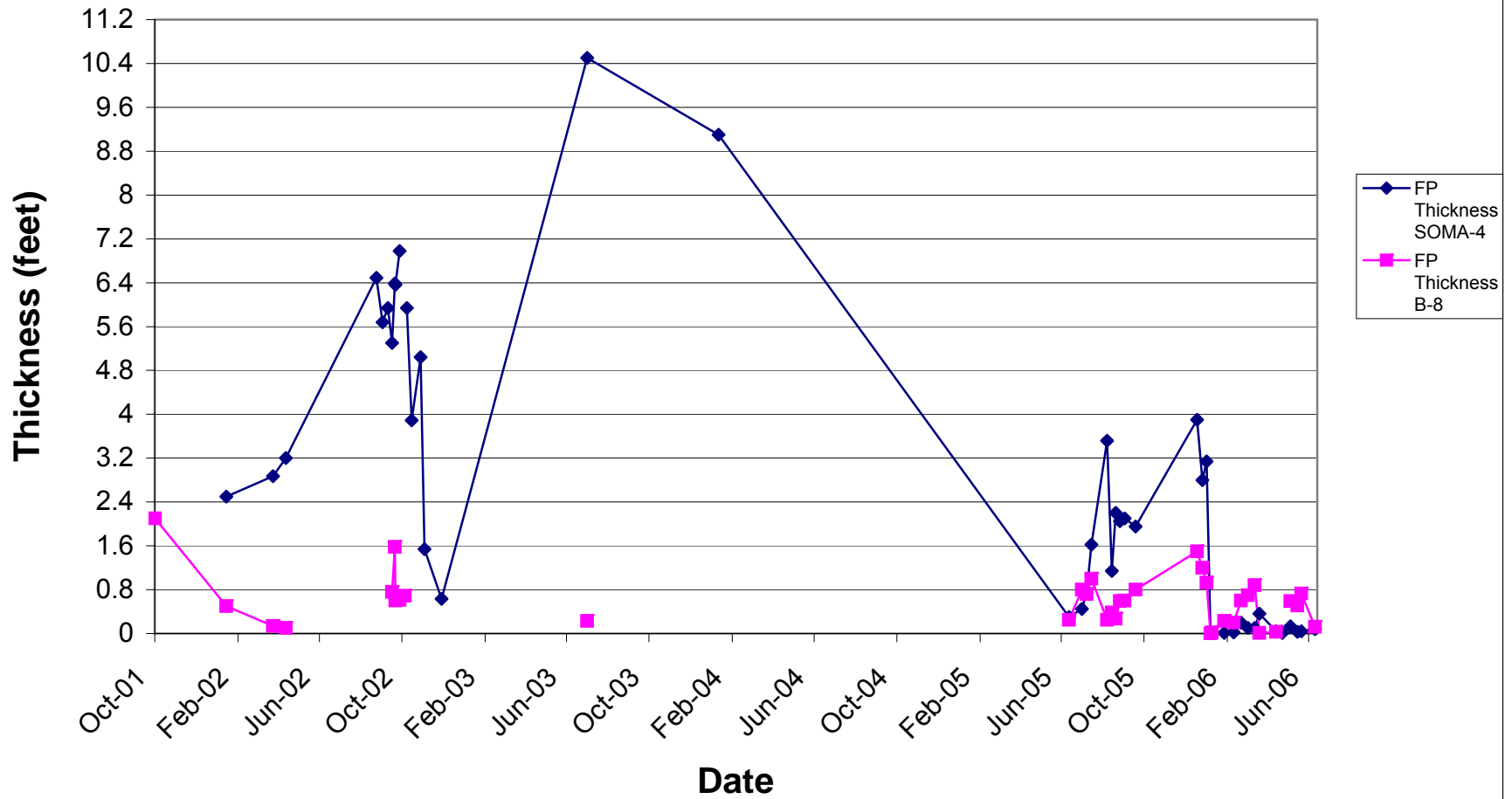


Figure 15
Free Product Thickness
Former Glovatorium Site
3815 Broadway, Oakland, California



APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

Field activities were conducted on July 5 and 6, 2006. During this event, 12 monitoring wells were sampled. Depths to groundwater were measured in 25 groundwater monitoring wells and temporary sampling points. Due to the presence of floating product in SOMA-4, this well was not sampled. Figure 2 shows the location of the groundwater monitoring wells and temporary sampling points. Appendix A includes SOMA's site-specific field activities during this groundwater monitoring event.

On July 5, 2006, SOMA's field crew measured the 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 collecting samples, each well was purged using a battery operated 2-inch diameter pump (Model ES-60 DC) or a GeoTech pump (for the smaller $\frac{3}{4}$ " diameter temporary wells). Groundwater parameters such as pH, temperature, electric conductivity (EC), DO and ORP were measured in-situ using a Horiba, Model U-22 multi-parameter meter during the purging of the wells. 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 NitraVer 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-phenanthroline 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 $\frac{3}{4}$ " temporary wells were collected using the GeoTech pump. A $\frac{1}{4}$ " poly tube was placed in the temporary well, and groundwater was extracted through the tubing using the GeoTech pump.

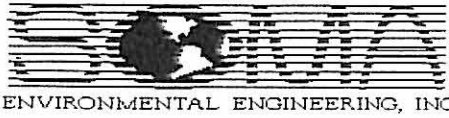
The groundwater sample was transferred to 9-(40-mL VOA vials) and preserved with hydrochloric acid. The vials were then sealed to prevent the development of air bubbles within the headspace. The VOA vials containing the samples were immediately placed on ice and maintained at 4°C in a cooler. A chain of custody (COC) 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, Methane, Ethane, and Ethene. 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, Ethane, and Ethene were analyzed using RSK-175.

APPENDIX B

Field Notes, Field Measured Physical and Chemical Parameter Values



Well Name: B-10
 Casing Diameter: 3/4 inch
 Depth of Well: 17.90 feet
 Top of Casing Elevation: 81.50 feet
 Depth to Groundwater: 8.80 feet
 Groundwater Elevation: 72.70 feet
 Water Column Height: 9.10 feet
 Purged Volume: 1600 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 8-6, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump 450 RPM
 Sampling Method: Bailer Pump 450 RPM

Color: No Yes Describe: "Leakiness"
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: slight

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
10:48 AM	START PURGING						
10:52 AM	400	7.09	15.80	10.71	1410	279	-68
10:58 AM	1600	7.19	15.80	10.62	1170	279	-104
11:05 AM	SAMPLED						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
11:05 AM	3.3	3.3	0	0.122	0	0

Notes:



Well Name: GW-2
 Casing Diameter: 3/4 inch
 Depth of Well: 20 feet
 Top of Casing Elevation: 79.14 feet
 Depth to Groundwater: 9.40 feet
 Groundwater Elevation: 69.74 feet
 Water Column Height: 10.60 feet
 Purged Volume: 800 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 26, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer
 Sampling Method: Bailer

Pump Geo Tech
 Pump Geo Tech

Color: No
 Sheen: No
 Odor: No

Yes Describe: _____
 Yes Describe: _____
 Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
8:38 AM	started purging well						
8:42 AM	400	7.03	17.60	9.86	682	281	38
8:46 AM	800	6.99	17.80	9.71	657	273	36
8:51 AM	SAMPLED						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
8:51 AM	0	0	0	0	53	0.3

Notes:



Well Name: Gu 3
 Casing Diameter: 3/4 inch
 Depth of Well: 20 feet
 Top of Casing Elevation: 77.92 feet
 Depth to Groundwater: 11.43 feet
 Groundwater Elevation: 66.49 feet
 Water Column Height: 8.57 feet
 Purged Volume: 800 gallons
 ml

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 8, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer
 Sampling Method: Bailer

Pump *Geotech pump*
 Pump *Geotech pump*

Color: No
 Sheen: No
 Odor: No

Yes Describe: _____
 Yes Describe: _____
 Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
7:58 AM	started purging well						
8 AM	400	7.01	17.80	4.97	636	281	57
8:05 AM	800	6.90	17.30	5.69	660	45	63
8:10	c. run P. 2.5 J						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
8:14 AM	0	0	0	0	31	3.1

Notes:



Well Name: MW-11
 Casing Diameter: 2 inch
 Depth of Well: 19.00 feet
 Top of Casing Elevation: 84.13 feet
 Depth to Groundwater: 11.66 feet
 Groundwater Elevation: 72.47 feet
 Water Column Height: 7.34 feet
 Purged Volume: 4 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 5~~th~~, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

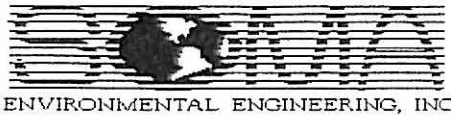
Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
12:10 PM	started purging well						
12:11	1	6.50	19.80	3.41	1120	11	13
12:13	3	6.61	19.12	8.35	1120	28	35
12:14	4	ORP					
12:20 PM	sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:20 PM	0	0	0	0	80	5.9

Notes: NEW WENT ORP AT 7 GAL



Well Name: LEP-1
 Casing Diameter: 2 inch
 Depth of Well: 19 feet
 Top of Casing Elevation: 79.97 feet
 Depth to Groundwater: 9.61 feet
 Groundwater Elevation: 70.36 feet
 Water Column Height: 9.39 feet
 Purged Volume: 9 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 8-6, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

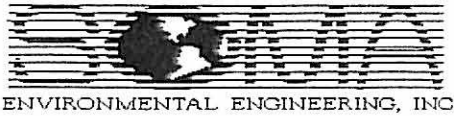
Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
9:20 AM	started purging well						
9:21 AM	1.0	6.63	17.20	9.86	1260	27	92
9:24 AM	4	6.57	17.50	9.79	1290	39	94
9:28 AM	9	6.59	17.10	9.93	1270	484	89
9:30 AM	sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
9:30 AM	0	0	0	0	6	0.4

Notes:



Well Name: LFR-2
 Casing Diameter: 2 inch
 Depth of Well: 19 feet
 Top of Casing Elevation: 81.89 feet
 Depth to Groundwater: 10.60 feet
 Groundwater Elevation: 71.29 feet
 Water Column Height: 8.40 feet
 Purged Volume: 5 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 5-~~8~~, 2006
 Sampler: Tony Perini
 Eric Jennings

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)
2:40 PM	started purging well						
2:42 PM	1.0	6.90	18.40	7.11	661	20	-150
2:45 PM	4	6.91	17.90	7.70	679	6	-136
2:46 PM	5	DRIED					
2:50 PM	samples						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
2:50 PM	3.30	3.30	0	0	0	4.3

Notes:



Well Name: LFR-3
 Casing Diameter: 2 inch
 Depth of Well: 22 feet
 Top of Casing Elevation: 77.96 feet
 Depth to Groundwater: 10.36 feet
 Groundwater Elevation: 67.60 feet
 Water Column Height: 11.64 feet
 Purged Volume: 7 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 5-8, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

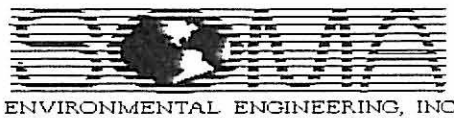
Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
3:25 PM	started purging well						
3:27 PM	1.0	6.93	20.20	5.72	639	180	52
3:29 PM	4	6.58	20.20	5.83	610	74	53
3:31 PM	7	6.56	20.10	5.47	640	192	56
3:35 PM	sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
3:35 PM	0	0	0	0	40	1.1

Notes:



Well Name: LPR-41
 Casing Diameter: 2 inch
 Depth of Well: 19.30 feet
 Top of Casing Elevation: 81.65 feet
 Depth to Groundwater: 12.32 feet
 Groundwater Elevation: 69.33 feet
 Water Column Height: 6.98 feet
 Purged Volume: 8 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 5~~th~~, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

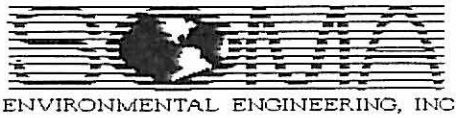
Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
1:05 PM	4.25	Pre-Run	WELL				
1:06	1	6.37	19.30	9.00	940	122	-2
1:08	3	6.72	19.40	9.25	820	27	-79
1:11	6	6.75	18.90	9.70	912	14	-98
1:15	8	6.25					
1:20	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
1:20 PM	3.30	3.30	0	0	0	5.9

Notes: Well is very dry at 8:45 AM



Well Name: SPNA-1
 Casing Diameter: 4 inch
 Depth of Well: 40.00 feet
 Top of Casing Elevation: 81.64 feet
 Depth to Groundwater: 12.65 feet
 Groundwater Elevation: 68.99 feet
 Water Column Height: 27.35 feet
 Purged Volume: 18 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 5-~~8~~, 2006
 Sampler: Tony Perini
 Eric Jennings

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)
1:39 PM	START PURGING WELL						
1:43	4	6.77	18.20	10.42	1120	556	49
1:51	10	6.68	18.50	6.40	1140	166	51
1:57	18	6.68	18.40	6.79	1150	86	66
2:05	SAMPLED						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
2:05 PM	0	0.30	0	0.011	13	1.8

Notes:



ENVIRONMENTAL ENGINEERING, INC

Well Name: SOMA-2
 Casing Diameter: 2 inch
 Depth of Well: 20 feet
 Top of Casing Elevation: 86.39 feet
 Depth to Groundwater: 8.80 feet
 Groundwater Elevation: 77.59 feet
 Water Column Height: 11.20 feet
 Purged Volume: 8 gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 6, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

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

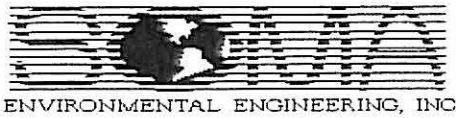
Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
1:12 pm	4 START PURGING WELL						
1:13 pm	1	7.12	16.40	8.05	1170	205	-60
1:22 pm	4	7.02	15.60	8.35	1230	282	-60
1:30 pm	8	7.08	16.00	8.92	1170	276	-85
1:35 pm	SAMPLED						

BAILER

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
1:35 pm	2.3	3.3	0	0	0	7.4

Notes:



Well Name: SOMA-3
 Casing Diameter: 3/4 inch
 Depth of Well: 30 feet
 Top of Casing Elevation: 81.42 feet
 Depth to Groundwater: 10.40 feet
 Groundwater Elevation: 71.02 feet
 Water Column Height: 19.60 feet
 Purged Volume: 2000 ^{ml} gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July 5-6, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

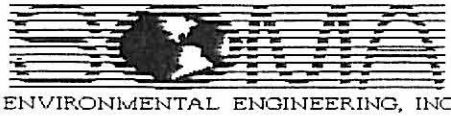
Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: Sulfur

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:27 AM	START - PERINI		16.11				
11:31 AM	800	7.23	16.20	10.51	1100	279	-34
11:36 AM	2000	7.11	16.00	10.52	1020	427	-58
11:41 AM	SAMPLED						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
11:41 AM	0.57	0.53	0	0	0	0.5

Notes:



Well Name: GOMA-5
 Casing Diameter: 3.4 inch
 Depth of Well: 25.60 feet
 Top of Casing Elevation: 8/50 feet
 Depth to Groundwater: 2.80 feet
 Groundwater Elevation: 78.70 feet
 Water Column Height: 22.80 feet
 Purged Volume: 2000 ^{ml} gallons

Project #: 2511
 Address: 3815 Broadway
 Oakland, California
 Date: July ~~14~~ 6, 2006
 Sampler: Tony Perini
 Eric Jennings

Purging Method: Bailer
 Sampling Method: Bailer

Pump ARTISIAN
 Pump ARTISIAN

Color: No
 Sheen: No
 Odor: No

Yes Describe: ARTISIAN
 Yes Describe: _____
 Yes Describe: _____

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
12:36PM	START PURGING WELL						
12:40	800	7.98	16.50	10.31	391	277	-149
12:45	2000	7.81	16.30	10.54	459	302	-129
12:50	SAMPLED						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:50	0.82	3.30	0	0	0	0

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

A N A L Y T I C A L R E P O R T

Prepared for:

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

Date: 31-JUL-06
Lab Job Number: 187895
Project ID: 2511
Location: 3815 Broadway, Oakland, CA

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

Reviewed by:


Project Manager

Reviewed by:


Operations Manager

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CASE NARRATIVE

Laboratory number: 187895
Client: SOMA Environmental Engineering Inc.
Project: 2511
Location: 3815 Broadway, Oakland, CA
Request Date: 07/06/06
Samples Received: 07/06/06

This hardcopy data package contains sample and QC results for twelve water samples, requested for the above referenced project on 07/06/06. The samples were received on ice and intact.

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

High surrogate recoveries were observed for bromofluorobenzene (FID) in B-10 (lab # 187895-001) and SOMA-2 (lab # 187895-010); 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

Analyses

C&T LOGIN # 187895

Sampler: Tony Perini / ERIC

Project No: 2511

Report To: Tony Perini

Project Name: 3815 Broadway, Oakland, CA

Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-244-6600

Fax: 925-244-6601

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				TPHg (including Stoddard Solvent) 8260B	8260 (Full List)	Methane
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE			
-1	B-10	7/6/06 1105 AM		✓		40ml VOAs	✓				✓	✓	✓
-2	GW-2	7/6/06 8:51 AM		✓									
-3	GW-3	7/6/06 8:10 AM		✓									
-4	MW-11	7/5/06 1220 PM		✓		8 7 th 7/6/06							
-5	LFR-1	7/6/06 930 AM		✓									
-6	LFR-2	7/5/06 250 PM		✓									
-7	LFR-3	7/6/06 335 PM		✓									
-8	LFR-4	7/5/06 120 PM		✓									
-9	SOMA-1	7/5/06 205 PM		✓									
-10	SOMA-2	7/6/06 135 PM		✓									
-11	SOMA-3	7/6/06 1141 AM		✓									
-12	SOMA-5	7/6/06 1250 PM		✓			✓				✓	✓	✓

Notes:
 MtBE and BTEX constituents include on 8260B List
 EDF output required

 rec'd intact; on ice

RELINQUISHED BY:
Tony Perini 7/6/06
Tony Perini 2:30 PM DATE/TIME

 DATE/TIME

 DATE/TIME

RECEIVED BY:
Lavonne [Signature] 7-6-06 3:30 p.m.
 DATE/TIME

 DATE/TIME

 DATE/TIME

Lisa Brooker

From: "Tony Perini" <tperini@somaenv.com>
To: <lisa@ctberk.com>
Sent: Wednesday, July 12, 2006 5:21 PM
Subject: Lab Analysis

Lisa could you add to SOMA's project 2511-Oakland Glovatorium, C&T login number 187895, gasoline oxygenates and lead scavengers, as well as, ethene and ethane. Thank you.

Total Volatile Hydrocarbons

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8015B
Matrix: Water	Batch#: 115056
Units: ug/L	Received: 07/06/06

Field ID: B-10 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/06/06
 Lab ID: 187895-001 Analyzed: 07/07/06

Analyte	Result	RL
Gasoline C7-C12	2,200 H Y	50
Stoddard Solvent C7-C12	1,300	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	138 *	80-133

Field ID: GW-2 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/06/06
 Lab ID: 187895-002 Analyzed: 07/07/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	69-137
Bromofluorobenzene (FID)	102	80-133

Field ID: GW-3 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/06/06
 Lab ID: 187895-003 Analyzed: 07/07/06

Analyte	Result	RL
Gasoline C7-C12	140 Y Z	50
Stoddard Solvent C7-C12	91 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	69-137
Bromofluorobenzene (FID)	103	80-133

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

Total Volatile Hydrocarbons

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	115056
Units:	ug/L	Received:	07/06/06

Field ID: MW-11 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/05/06
 Lab ID: 187895-004 Analyzed: 07/08/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	100	80-133

Field ID: LFR-1 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/06/06
 Lab ID: 187895-005 Analyzed: 07/07/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	97	80-133

Field ID: LFR-2 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/05/06
 Lab ID: 187895-006 Analyzed: 07/07/06

Analyte	Result	RL
Gasoline C7-C12	770 H Y	50
Stoddard Solvent C7-C12	490	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	69-137
Bromofluorobenzene (FID)	128	80-133

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

Total Volatile Hydrocarbons

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8015B
Matrix: Water	Batch#: 115056
Units: ug/L	Received: 07/06/06

Field ID: LFR-3	Diln Fac: 1.000
Type: SAMPLE	Sampled: 07/05/06
Lab ID: 187895-007	Analyzed: 07/07/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	69-137
Bromofluorobenzene (FID)	101	80-133

Field ID: LFR-4	Diln Fac: 1.000
Type: SAMPLE	Sampled: 07/05/06
Lab ID: 187895-008	Analyzed: 07/07/06

Analyte	Result	RL
Gasoline C7-C12	1,100	50
Stoddard Solvent C7-C12	650 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	69-137
Bromofluorobenzene (FID)	128	80-133

Field ID: SOMA-1	Diln Fac: 1.000
Type: SAMPLE	Sampled: 07/05/06
Lab ID: 187895-009	Analyzed: 07/07/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	69-137
Bromofluorobenzene (FID)	102	80-133

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

Total Volatile Hydrocarbons

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8015B
Matrix: Water	Batch#: 115056
Units: ug/L	Received: 07/06/06

Field ID: SOMA-2	Diln Fac: 10.00
Type: SAMPLE	Sampled: 07/06/06
Lab ID: 187895-010	Analyzed: 07/08/06

Analyte	Result	RL
Gasoline C7-C12	40,000 H Y	500
Stoddard Solvent C7-C12	25,000	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	69-137
Bromofluorobenzene (FID)	177 *	80-133

Field ID: SOMA-3	Diln Fac: 1.000
Type: SAMPLE	Sampled: 07/06/06
Lab ID: 187895-011	Analyzed: 07/07/06

Analyte	Result	RL
Gasoline C7-C12	270 H Y	50
Stoddard Solvent C7-C12	140	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	109	80-133

Field ID: SOMA-5	Diln Fac: 1.000
Type: SAMPLE	Sampled: 07/06/06
Lab ID: 187895-012	Analyzed: 07/08/06

Analyte	Result	RL
Gasoline C7-C12	720 Y Z	50
Stoddard Solvent C7-C12	450 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	69-137
Bromofluorobenzene (FID)	109	80-133

Type: BLANK	Diln Fac: 1.000
Lab ID: QC346560	Analyzed: 07/07/06

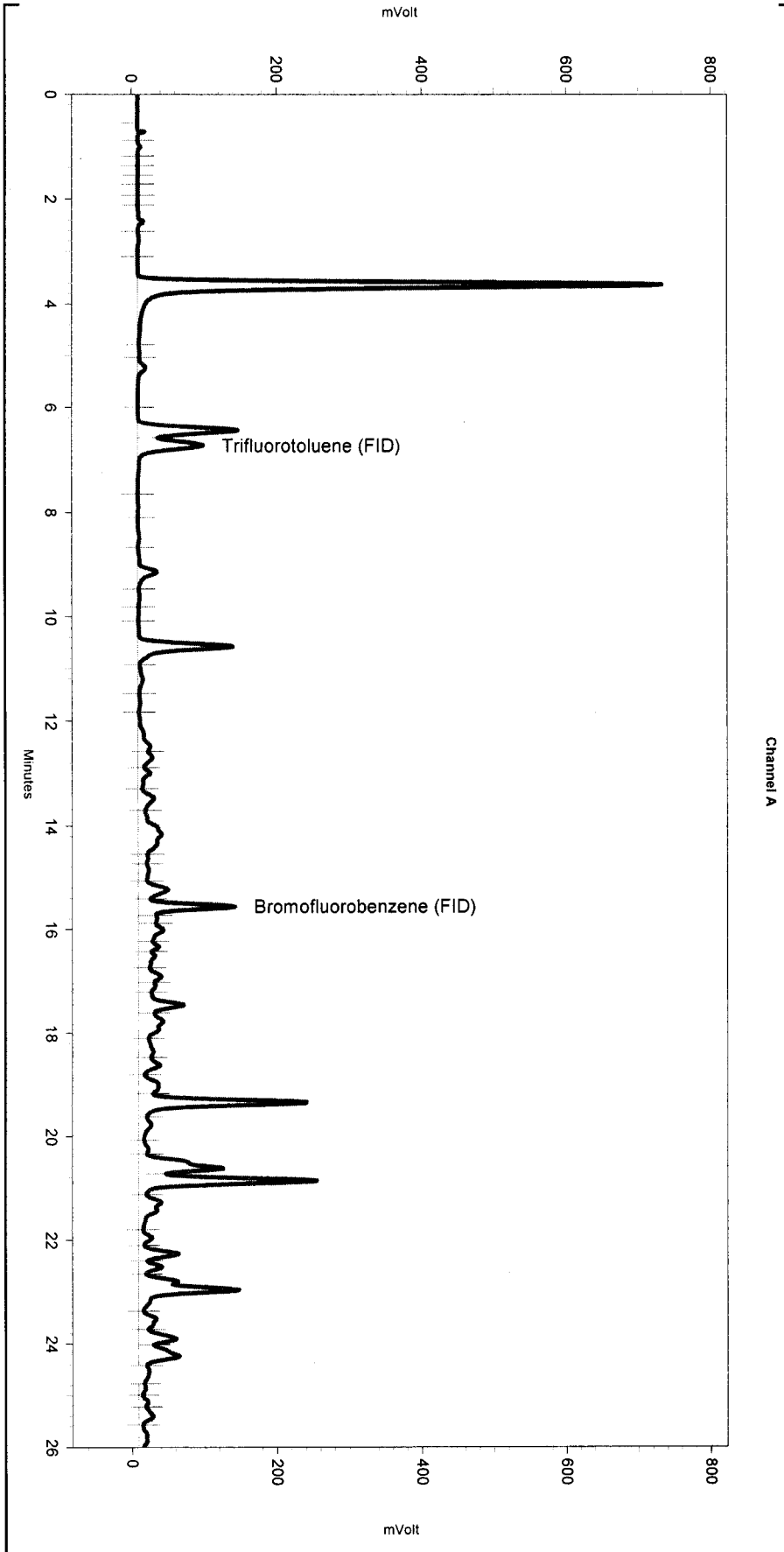
Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	69-137
Bromofluorobenzene (FID)	106	80-133

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

Sample Name: 187895-001,115056,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_006
 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lvhbtxe173.met

Software Version 3.1.7
 Run Date: 7/7/2006 12:39:21 PM
 Analysis Date: 7/8/2006 10:59:22 AM
 Sample Amount: 5



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Integration Events

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Yes	Threshold	0	0	50

Manual Integration Fixes

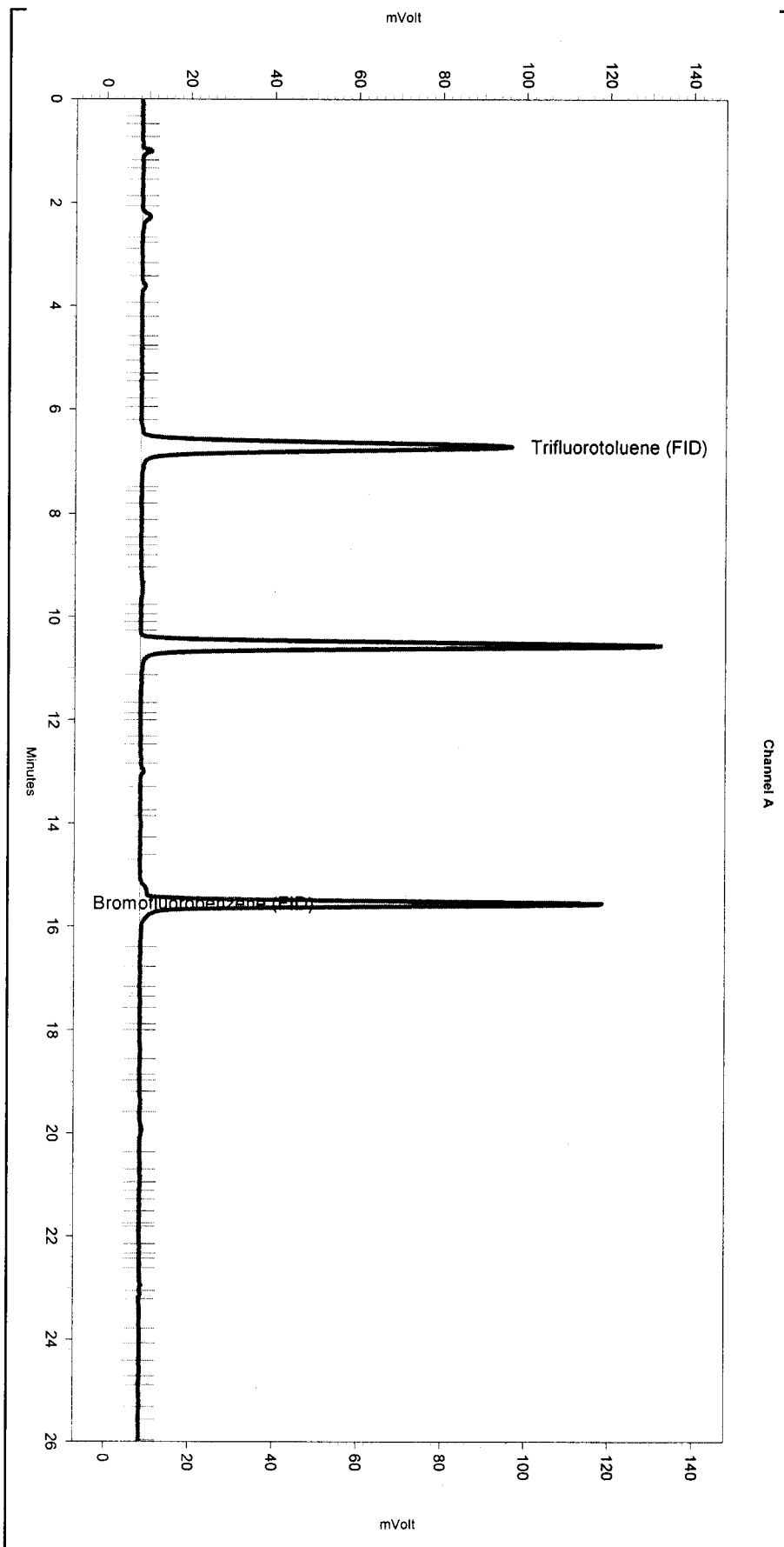
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Yes	Lowest Point Horizontal Baseli	0.179	26.017	0

Channel A

Sample Name: 187895-003,115056,tvh+stodd
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 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbx173.met

Software Version 3.1.7
 Run Date: 7/7/2006 2:28:53 PM
 Analysis Date: 7/8/2006 10:59:34 AM
 Sample Amount: 5



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Integration Events

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

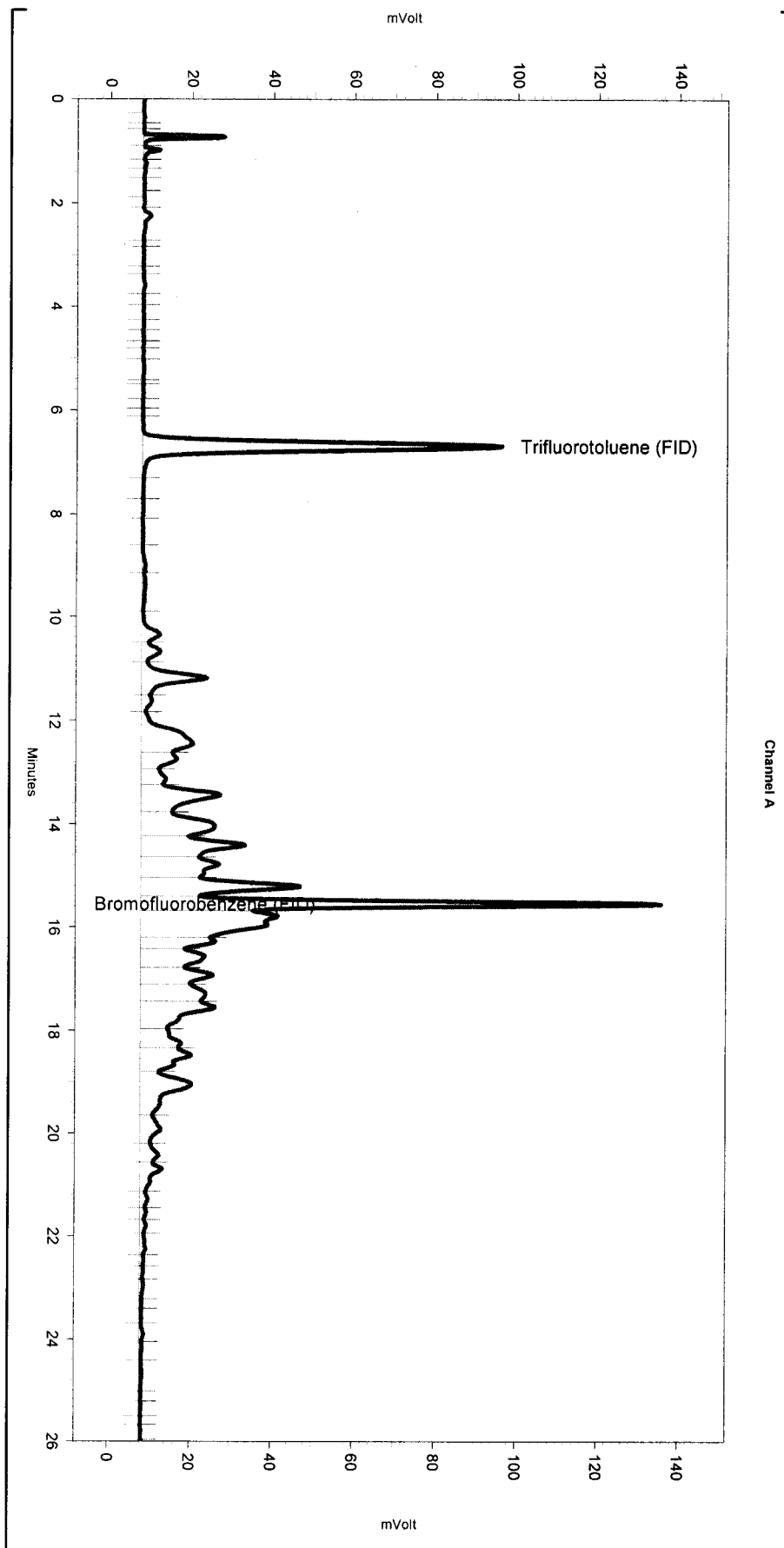
Manual Integration Fixes

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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sample Name: 187895-006,115056,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_012
 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe173.met

Software Version 3.1.7
 Run Date: 7/7/2006 4:52:23 PM
 Analysis Date: 7/8/2006 10:59:45 AM
 Sample Amount: 5



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Integration Events

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

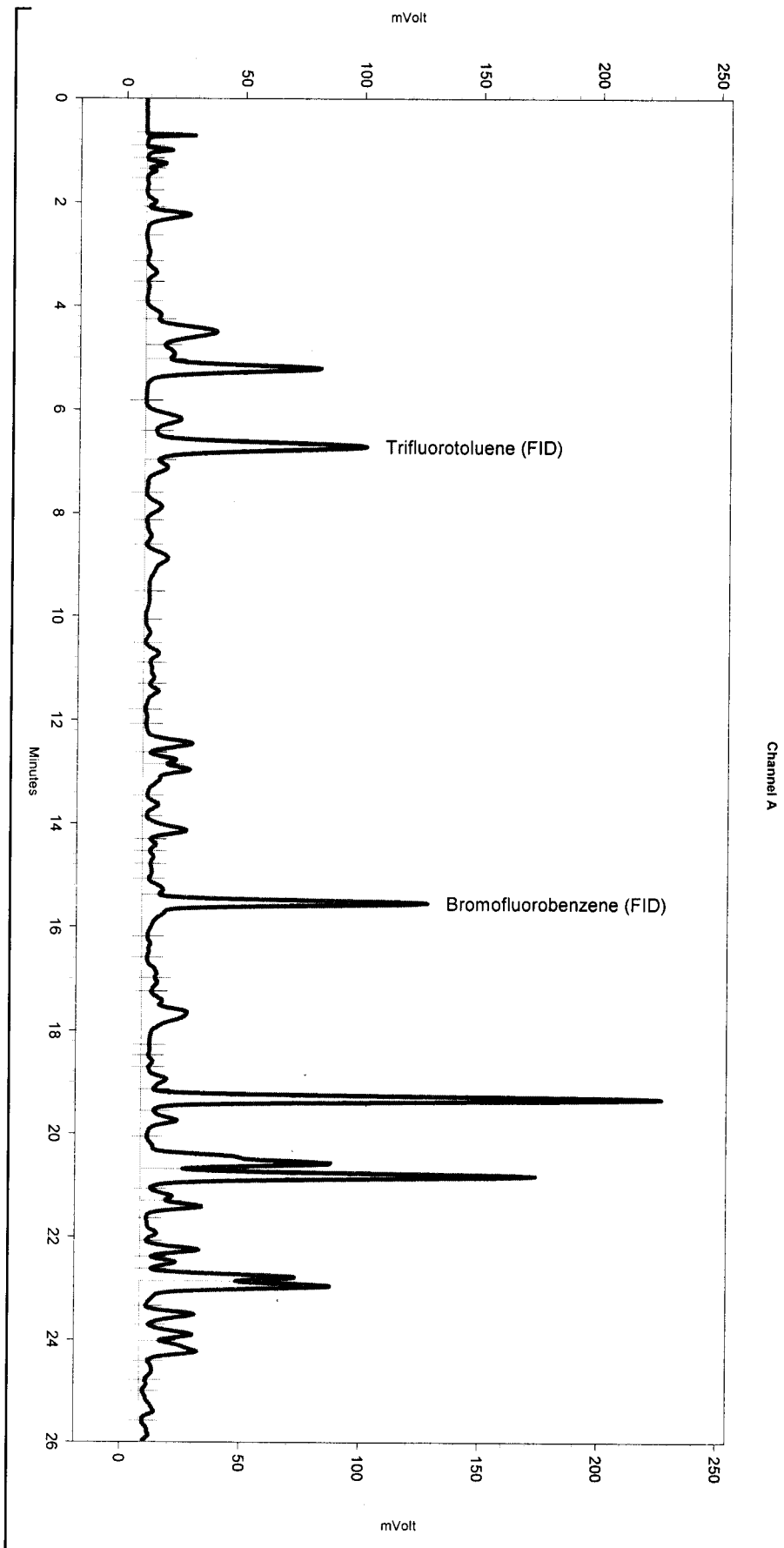
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_012

Enabled Event Type		Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.382	25.963	0

Sample Name: 187895-008,115056,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_021
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 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe173.met

Software Version 3.1.7
 Run Date: 7/7/2006 10:22:13 PM
 Analysis Date: 7/8/2006 11:00:20 AM
 Sample Amount: 5



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Integration Events

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

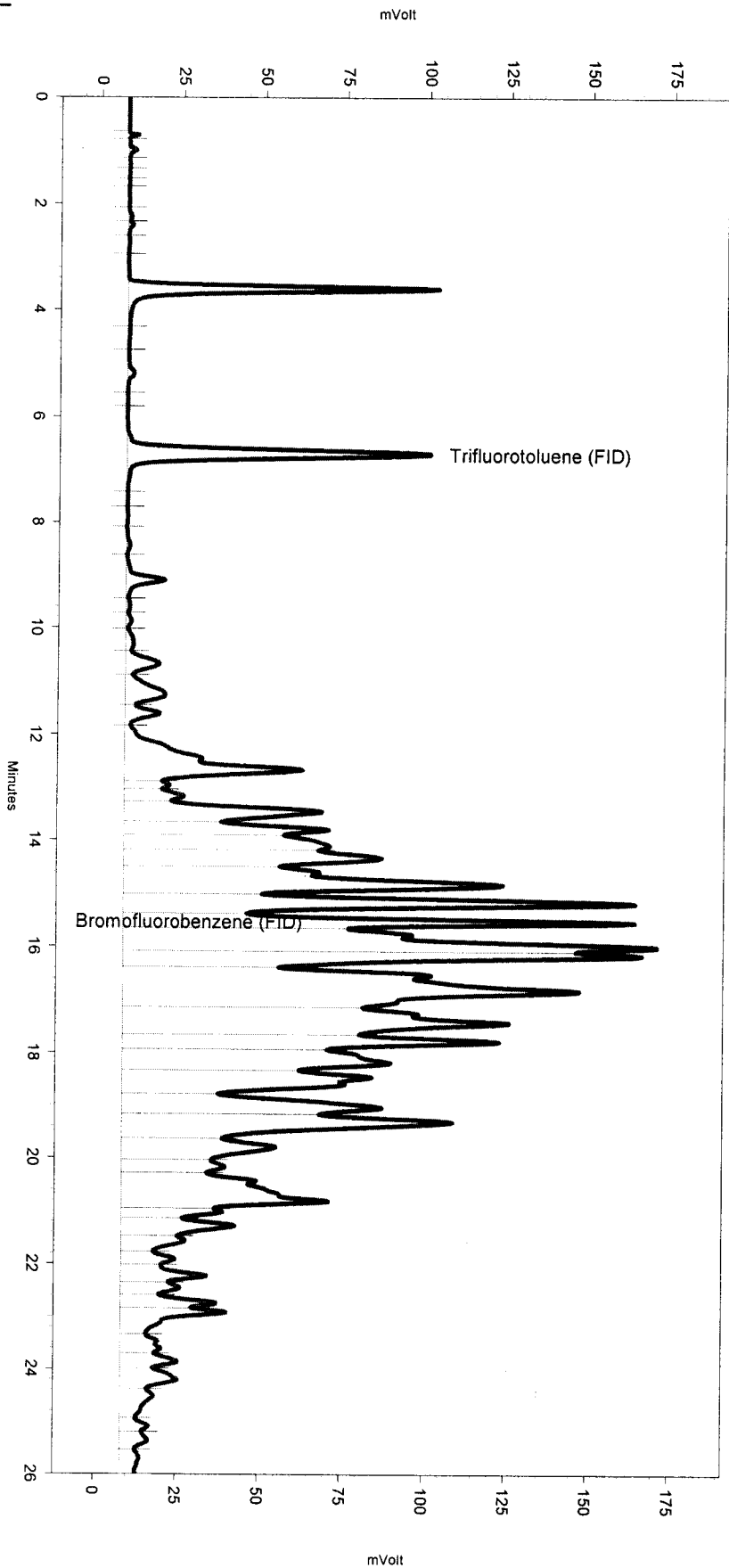
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_021

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Yes	Lowest Point Horizontal Base	0.126	26.014	0

Sample Name: 187895-010,115056,10x,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_025
 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lvhbtxe173.met

Software Version 3.1.7
 Run Date: 7/8/2006 12:48:26 AM
 Analysis Date: 7/8/2006 11:00:35 AM
 Sample Amount: 5



Channel A

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Integration Events

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

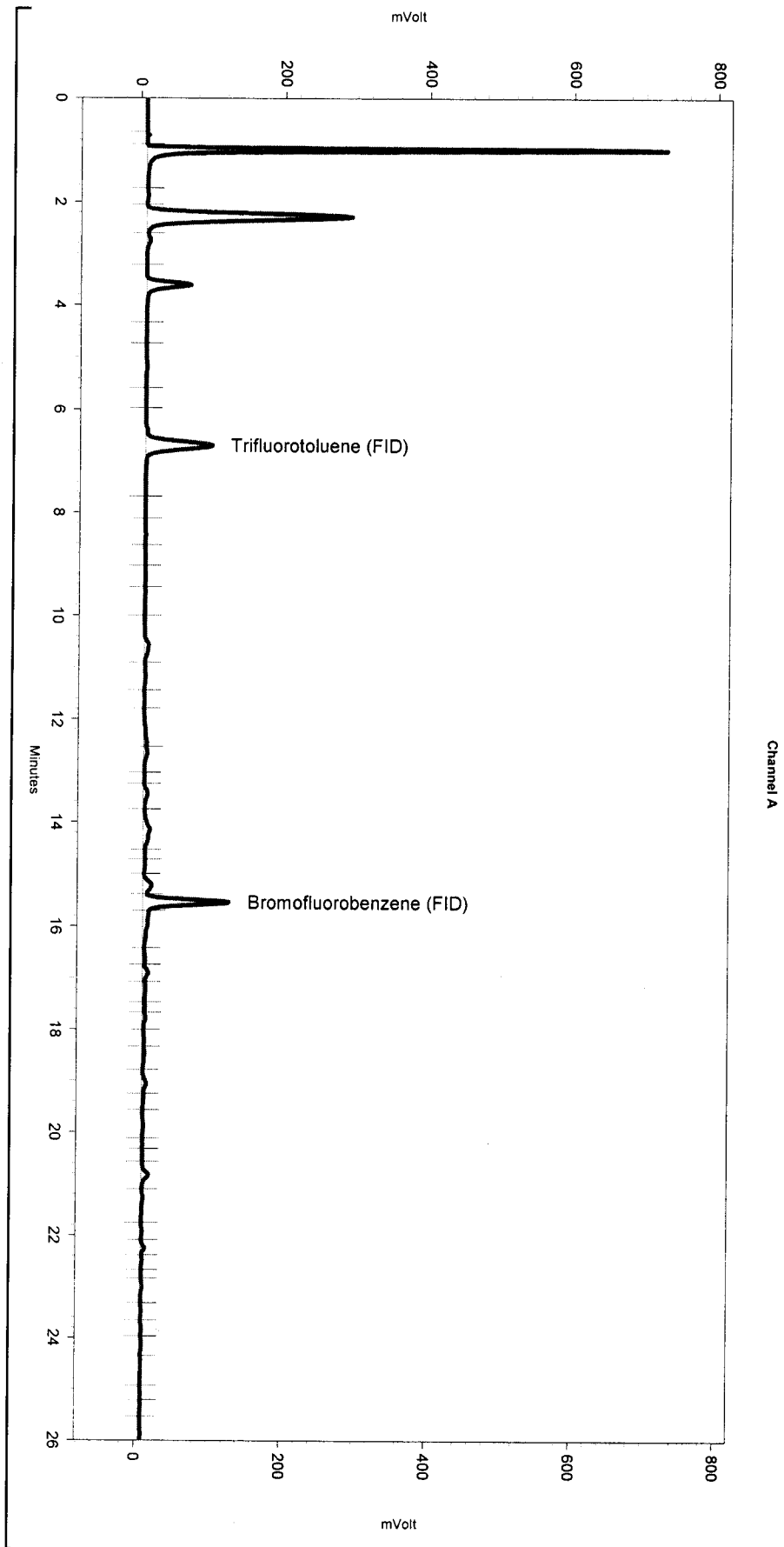
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_025

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.037	25.911	0

Sample Name: 187895-011,115056,tvh+stodd
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_023
 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 1. Analyst: (lims2k3\tvh1)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe173.met

Software Version 3.1.7
 Run Date: 7/7/2006 11:35:21 PM
 Analysis Date: 7/10/2006 12:49:57 PM
 Sample Amount: 5



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Integration Events

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Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

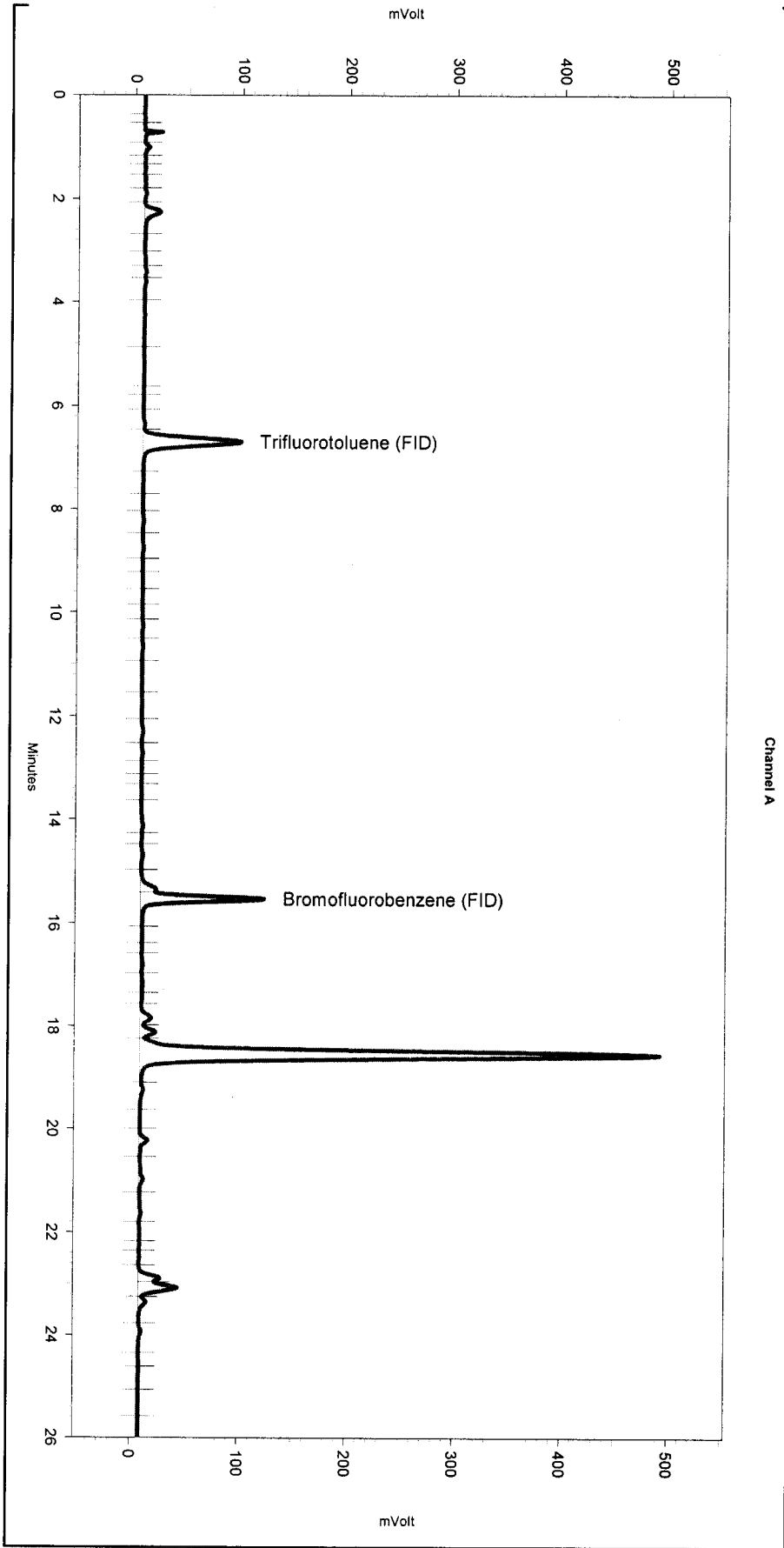
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_023

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.023	26.017	0
Yes	Split Peak	15.706	0	0

Sample Name: 187895-012,115056,tvh+stodd
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 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst: (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\TVHBTXE173.met

Software Version 3.1.7
 Run Date: 7/8/2006 12:11:57 AM
 Analysis Date: 7/8/2006 11:00:31 AM
 Sample Amount: 5



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Integration Events

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

Manual Integration Fixes

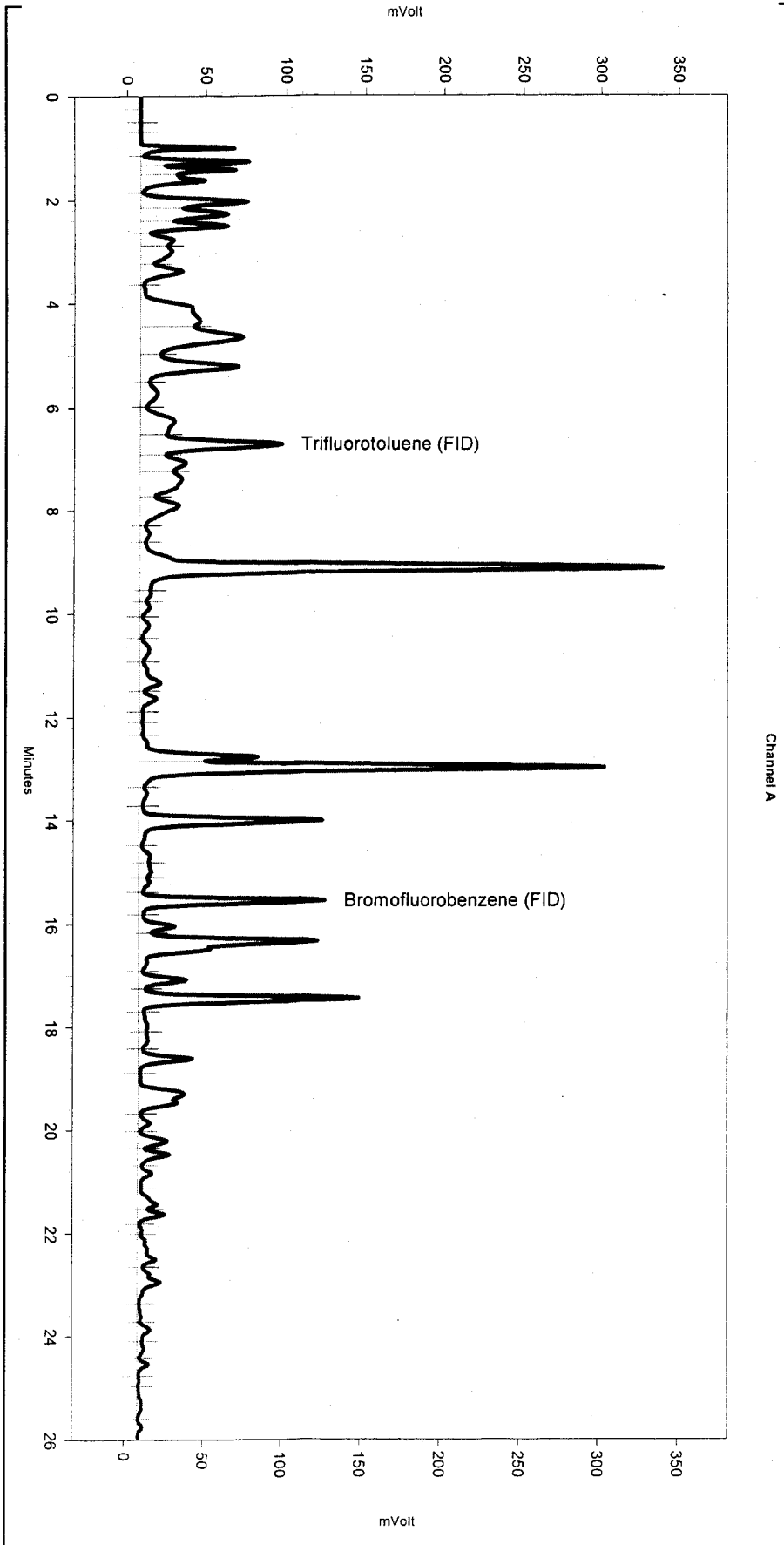
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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.025	26.013	0
Yes	Split Peak	15.421	0	0

Sample Name: ccv/lcs,qc345461,115056,s3708,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_002
 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\vhbxe173.met

Gasoline

Software Version 3.1.7
 Run Date: 7/7/2006 9:55:55 AM
 Analysis Date: 7/7/2006 12:14:24 PM
 Sample Amount: 5



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Integration Events

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

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_002

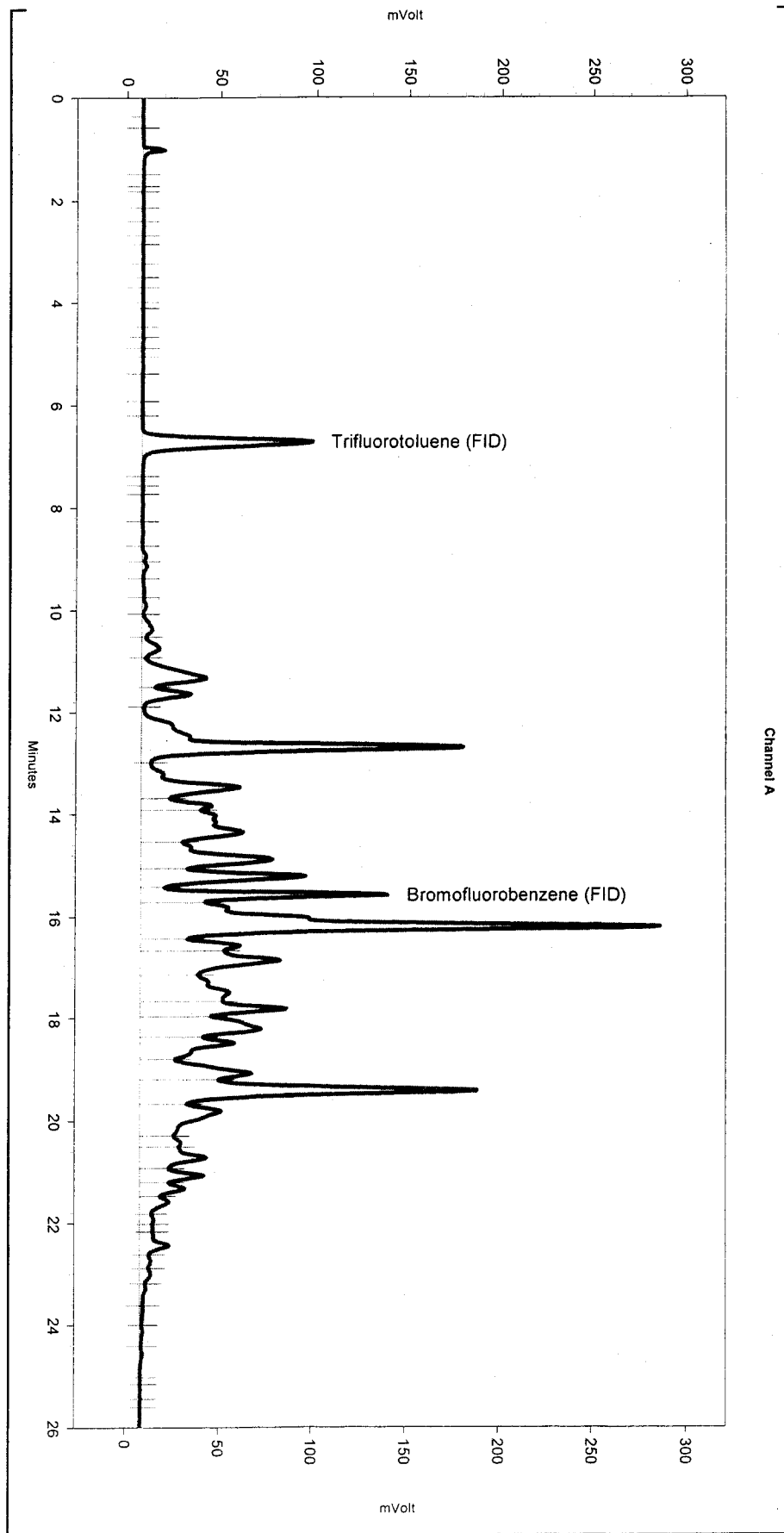
Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Channel A

Sample Name: ccv,stodd,115056,s3641,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_003
 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\188.seq
 Instrument: GC07 Vial: N/A Operator: Tvh 2. Analyst (lms2k3\lth2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\lthbtxe173.met

Stoddard

Software Version 3.1.7
 Run Date: 7/7/2006 10:32:36 AM
 Analysis Date: 7/7/2006 12:14:28 PM
 Sample Amount: 5



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Integration Events

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

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\188_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.037	25.963	0

Channel A

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC346561	Batch#:	115056
Matrix:	Water	Analyzed:	07/07/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,001	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	69-137
Bromofluorobenzene (FID)	107	80-133

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	115056
MSS Lab ID:	187916-001	Sampled:	07/06/06
Matrix:	Water	Received:	07/07/06
Units:	ug/L	Analyzed:	07/07/06
Diln Fac:	1.000		

Type: MS Lab ID: QC346624

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	28.63	2,000	1,782	88	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	69-137
Bromofluorobenzene (FID)	105	80-133

Type: MSD Lab ID: QC346625

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,773	87	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	102	80-133

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: B-10	Batch#: 115189
Lab ID: 187895-001	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/12/06
Diln Fac: 200.0	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	2,000
Freon 12	ND	200
Chloromethane	ND	200
Vinyl Chloride	ND	100
Isopropyl Ether (DIPE)	ND	100
Ethyl tert-Butyl Ether (ETBE)	ND	100
Bromomethane	ND	200
Methyl tert-Amyl Ether (TAME)	ND	100
Chloroethane	ND	200
Trichlorofluoromethane	ND	200
Acetone	ND	2,000
Freon 113	ND	100
1,1-Dichloroethene	ND	100
Methylene Chloride	ND	2,000
Carbon Disulfide	ND	100
MTBE	ND	100
trans-1,2-Dichloroethene	ND	100
Vinyl Acetate	ND	2,000
1,1-Dichloroethane	ND	100
2-Butanone	ND	2,000
cis-1,2-Dichloroethene	14,000	100
2,2-Dichloropropane	ND	100
Chloroform	ND	100
Bromochloromethane	ND	100
1,1,1-Trichloroethane	ND	100
1,1-Dichloropropene	ND	100
Carbon Tetrachloride	ND	100
1,2-Dichloroethane	ND	100
Benzene	ND	100
Trichloroethene	380	100
1,2-Dichloropropane	ND	100
Bromodichloromethane	ND	100
Dibromomethane	ND	100
4-Methyl-2-Pentanone	ND	2,000
cis-1,3-Dichloropropene	ND	100
Toluene	ND	100
trans-1,3-Dichloropropene	ND	100
1,1,2-Trichloroethane	ND	100
2-Hexanone	ND	2,000
1,3-Dichloropropane	ND	100
Tetrachloroethene	370	100
Dibromochloromethane	ND	100
1,2-Dibromoethane	ND	100
Chlorobenzene	ND	100
1,1,1,2-Tetrachloroethane	ND	100
Ethylbenzene	ND	100
m,p-Xylenes	ND	100
o-Xylene	ND	100
Styrene	ND	100
Bromoform	ND	200
Isopropylbenzene	ND	100
1,1,2,2-Tetrachloroethane	ND	100
1,2,3-Trichloropropane	ND	100
Propylbenzene	ND	100

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: B-10	Batch#: 115189
Lab ID: 187895-001	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/12/06
Diln Fac: 200.0	

Analyte	Result	RL
Bromobenzene	ND	100
1,3,5-Trimethylbenzene	ND	100
2-Chlorotoluene	ND	100
4-Chlorotoluene	ND	100
tert-Butylbenzene	ND	100
1,2,4-Trimethylbenzene	ND	100
sec-Butylbenzene	ND	100
para-Isopropyl Toluene	ND	100
1,3-Dichlorobenzene	ND	100
1,4-Dichlorobenzene	ND	100
n-Butylbenzene	ND	100
1,2-Dichlorobenzene	ND	100
1,2-Dibromo-3-Chloropropane	ND	400
1,2,4-Trichlorobenzene	ND	100
Hexachlorobutadiene	ND	100
Naphthalene	ND	400
1,2,3-Trichlorobenzene	ND	100

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	112	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	106	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: GW-2	Batch#: 115100
Lab ID: 187895-002	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Bromomethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
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	0.7	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	9.5	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	75	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-2	Batch#:	115100
Lab ID:	187895-002	Sampled:	07/06/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/10/06
Diln Fac:	1.000		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	110	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: GW-3	Units: ug/L
Lab ID: 187895-003	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06

Analyte	Result	RL	Diln	Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	50	5.000		115189	07/12/06
Freon 12	ND	5.0	5.000		115189	07/12/06
Chloromethane	ND	5.0	5.000		115189	07/12/06
Vinyl Chloride	ND	2.5	5.000		115189	07/12/06
Isopropyl Ether (DIPE)	ND	2.5	5.000		115189	07/12/06
Ethyl tert-Butyl Ether (ETBE)	ND	2.5	5.000		115189	07/12/06
Bromomethane	ND	5.0	5.000		115189	07/12/06
Methyl tert-Amyl Ether (TAME)	ND	2.5	5.000		115189	07/12/06
Chloroethane	ND	5.0	5.000		115189	07/12/06
Trichlorofluoromethane	ND	5.0	5.000		115189	07/12/06
Acetone	ND	50	5.000		115189	07/12/06
Freon 113	ND	2.5	5.000		115189	07/12/06
1,1-Dichloroethene	ND	2.5	5.000		115189	07/12/06
Methylene Chloride	ND	50	5.000		115189	07/12/06
Carbon Disulfide	ND	2.5	5.000		115189	07/12/06
MTBE	ND	2.5	5.000		115189	07/12/06
trans-1,2-Dichloroethene	ND	2.5	5.000		115189	07/12/06
Vinyl Acetate	ND	50	5.000		115189	07/12/06
1,1-Dichloroethane	ND	2.5	5.000		115189	07/12/06
2-Butanone	ND	50	5.000		115189	07/12/06
cis-1,2-Dichloroethene	ND	2.5	5.000		115189	07/12/06
2,2-Dichloropropane	ND	2.5	5.000		115189	07/12/06
Chloroform	ND	2.5	5.000		115189	07/12/06
Bromochloromethane	ND	2.5	5.000		115189	07/12/06
1,1,1-Trichloroethane	ND	2.5	5.000		115189	07/12/06
1,1-Dichloropropene	ND	2.5	5.000		115189	07/12/06
Carbon Tetrachloride	ND	2.5	5.000		115189	07/12/06
1,2-Dichloroethane	ND	2.5	5.000		115189	07/12/06
Benzene	ND	2.5	5.000		115189	07/12/06
Trichloroethene	ND	2.5	5.000		115189	07/12/06
1,2-Dichloropropane	ND	2.5	5.000		115189	07/12/06
Bromodichloromethane	ND	2.5	5.000		115189	07/12/06
Dibromomethane	ND	2.5	5.000		115189	07/12/06
4-Methyl-2-Pentanone	ND	50	5.000		115189	07/12/06
cis-1,3-Dichloropropene	ND	2.5	5.000		115189	07/12/06
Toluene	ND	2.5	5.000		115189	07/12/06
trans-1,3-Dichloropropene	ND	2.5	5.000		115189	07/12/06
1,1,2-Trichloroethane	ND	2.5	5.000		115189	07/12/06
2-Hexanone	ND	50	5.000		115189	07/12/06

ND= Not Detected

RL= Reporting Limit

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: GW-3	Units: ug/L
Lab ID: 187895-003	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	2.5	5.000	115189	07/12/06
Tetrachloroethene	400	3.6	7.143	115140	07/11/06
Dibromochloromethane	ND	2.5	5.000	115189	07/12/06
1,2-Dibromoethane	ND	2.5	5.000	115189	07/12/06
Chlorobenzene	ND	2.5	5.000	115189	07/12/06
1,1,1,2-Tetrachloroethane	ND	2.5	5.000	115189	07/12/06
Ethylbenzene	ND	2.5	5.000	115189	07/12/06
m,p-Xylenes	ND	2.5	5.000	115189	07/12/06
o-Xylene	ND	2.5	5.000	115189	07/12/06
Styrene	ND	2.5	5.000	115189	07/12/06
Bromoform	ND	5.0	5.000	115189	07/12/06
Isopropylbenzene	ND	2.5	5.000	115189	07/12/06
1,1,2,2-Tetrachloroethane	ND	2.5	5.000	115189	07/12/06
1,2,3-Trichloropropane	ND	2.5	5.000	115189	07/12/06
Propylbenzene	ND	2.5	5.000	115189	07/12/06
Bromobenzene	ND	2.5	5.000	115189	07/12/06
1,3,5-Trimethylbenzene	ND	2.5	5.000	115189	07/12/06
2-Chlorotoluene	ND	2.5	5.000	115189	07/12/06
4-Chlorotoluene	ND	2.5	5.000	115189	07/12/06
tert-Butylbenzene	ND	2.5	5.000	115189	07/12/06
1,2,4-Trimethylbenzene	ND	2.5	5.000	115189	07/12/06
sec-Butylbenzene	ND	2.5	5.000	115189	07/12/06
para-Isopropyl Toluene	ND	2.5	5.000	115189	07/12/06
1,3-Dichlorobenzene	ND	2.5	5.000	115189	07/12/06
1,4-Dichlorobenzene	ND	2.5	5.000	115189	07/12/06
n-Butylbenzene	ND	2.5	5.000	115189	07/12/06
1,2-Dichlorobenzene	ND	2.5	5.000	115189	07/12/06
1,2-Dibromo-3-Chloropropane	ND	10	5.000	115189	07/12/06
1,2,4-Trichlorobenzene	ND	2.5	5.000	115189	07/12/06
Hexachlorobutadiene	ND	2.5	5.000	115189	07/12/06
Naphthalene	ND	10	5.000	115189	07/12/06
1,2,3-Trichlorobenzene	ND	2.5	5.000	115189	07/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	112	80-120	5.000	115189	07/12/06
1,2-Dichloroethane-d4	115	80-130	5.000	115189	07/12/06
Toluene-d8	107	80-120	5.000	115189	07/12/06
Bromofluorobenzene	108	80-122	5.000	115189	07/12/06

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	115100
Lab ID:	187895-004	Sampled:	07/05/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/10/06
Diln Fac:	1.000		

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

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: MW-11	Batch#: 115100
Lab ID: 187895-004	Sampled: 07/05/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	111	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	106	80-122

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-1	Batch#:	115100
Lab ID:	187895-005	Sampled:	07/06/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/10/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Bromomethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
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	1.0	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	7.8	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	41	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: LFR-1	Batch#: 115100
Lab ID: 187895-005	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	114	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: LFR-2	Batch#: 115100
Lab ID: 187895-006	Sampled: 07/05/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

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

ND= Not Detected
 RL= Reporting Limit
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Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-2	Batch#:	115100
Lab ID:	187895-006	Sampled:	07/05/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/10/06
Diln Fac:	1.000		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	112	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	107	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: LFR-3	Batch#: 115100
Lab ID: 187895-007	Sampled: 07/05/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Bromomethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
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	23	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-3	Batch#:	115100
Lab ID:	187895-007	Sampled:	07/05/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/10/06
Diln Fac:	1.000		

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	105	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: LFR-4	Batch#: 115100
Lab ID: 187895-008	Sampled: 07/05/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	0.7	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Bromomethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	8.1	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	2.2	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	59	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	8.1	0.5
m,p-Xylenes	5.0	0.5
o-Xylene	1.0	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	1.4	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	0.6	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: LFR-4	Batch#: 115100
Lab ID: 187895-008	Sampled: 07/05/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/10/06
Diln Fac: 1.000	

Analyte	Result	RL
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	0.9	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	2.5	0.5
1,2,4-Trimethylbenzene	2.0	0.5
sec-Butylbenzene	1.6	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	0.7	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	110	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	108	80-122

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-1	Batch#:	115189
Lab ID:	187895-009	Sampled:	07/05/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/12/06
Diln Fac:	4.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	40
Freon 12	ND	4.0
Chloromethane	ND	4.0
Vinyl Chloride	ND	2.0
Isopropyl Ether (DIPE)	6.1	2.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
Bromomethane	ND	4.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
Chloroethane	ND	4.0
Trichlorofluoromethane	ND	4.0
Acetone	ND	40
Freon 113	ND	2.0
1,1-Dichloroethene	ND	2.0
Methylene Chloride	ND	40
Carbon Disulfide	ND	2.0
MTBE	310	2.0
trans-1,2-Dichloroethene	ND	2.0
Vinyl Acetate	ND	40
1,1-Dichloroethane	ND	2.0
2-Butanone	ND	40
cis-1,2-Dichloroethene	57	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	2.8	2.0
1,2-Dichloropropane	3.7	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	37	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
Propylbenzene	ND	2.0

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-1	Batch#:	115189
Lab ID:	187895-009	Sampled:	07/05/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/12/06
Diln Fac:	4.000		

Analyte	Result	RL
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	ND	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	2.0
Naphthalene	ND	8.0
1,2,3-Trichlorobenzene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	107	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: SOMA-2	Batch#: 115189
Lab ID: 187895-010	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/12/06
Diln Fac: 83.33	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	830
Freon 12	ND	83
Chloromethane	ND	83
Vinyl Chloride	ND	42
Isopropyl Ether (DIPE)	ND	42
Ethyl tert-Butyl Ether (ETBE)	ND	42
Bromomethane	ND	83
Methyl tert-Amyl Ether (TAME)	ND	42
Chloroethane	ND	83
Trichlorofluoromethane	ND	83
Acetone	ND	830
Freon 113	ND	42
1,1-Dichloroethene	ND	42
Methylene Chloride	ND	830
Carbon Disulfide	ND	42
MTBE	ND	42
trans-1,2-Dichloroethene	46	42
Vinyl Acetate	ND	830
1,1-Dichloroethane	ND	42
2-Butanone	ND	830
cis-1,2-Dichloroethene	5,400	42
2,2-Dichloropropane	ND	42
Chloroform	ND	42
Bromochloromethane	ND	42
1,1,1-Trichloroethane	ND	42
1,1-Dichloropropene	ND	42
Carbon Tetrachloride	ND	42
1,2-Dichloroethane	ND	42
Benzene	ND	42
Trichloroethene	ND	42
1,2-Dichloropropane	ND	42
Bromodichloromethane	ND	42
Dibromomethane	ND	42
4-Methyl-2-Pentanone	ND	830
cis-1,3-Dichloropropene	ND	42
Toluene	61	42
trans-1,3-Dichloropropene	ND	42
1,1,2-Trichloroethane	ND	42
2-Hexanone	ND	830
1,3-Dichloropropane	ND	42
Tetrachloroethene	ND	42
Dibromochloromethane	ND	42
1,2-Dibromoethane	ND	42
Chlorobenzene	ND	42
1,1,1,2-Tetrachloroethane	ND	42
Ethylbenzene	ND	42
m,p-Xylenes	ND	42
o-Xylene	ND	42
Styrene	ND	42
Bromoform	ND	83
Isopropylbenzene	ND	42
1,1,2,2-Tetrachloroethane	ND	42
1,2,3-Trichloropropane	ND	42
Propylbenzene	ND	42

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-2	Batch#:	115189
Lab ID:	187895-010	Sampled:	07/06/06
Matrix:	Water	Received:	07/06/06
Units:	ug/L	Analyzed:	07/12/06
Diln Fac:	83.33		

Analyte	Result	RL
Bromobenzene	ND	42
1,3,5-Trimethylbenzene	ND	42
2-Chlorotoluene	ND	42
4-Chlorotoluene	ND	42
tert-Butylbenzene	ND	42
1,2,4-Trimethylbenzene	82	42
sec-Butylbenzene	ND	42
para-Isopropyl Toluene	ND	42
1,3-Dichlorobenzene	ND	42
1,4-Dichlorobenzene	ND	42
n-Butylbenzene	ND	42
1,2-Dichlorobenzene	ND	42
1,2-Dibromo-3-Chloropropane	ND	170
1,2,4-Trichlorobenzene	ND	42
Hexachlorobutadiene	ND	42
Naphthalene	ND	170
1,2,3-Trichlorobenzene	ND	42

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	108	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: SOMA-3	Batch#: 115189
Lab ID: 187895-011	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/12/06
Diln Fac: 10.00	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Bromomethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
Acetone	ND	100
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	100
Carbon Disulfide	ND	5.0
MTBE	500	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	100
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	100
cis-1,2-Dichloroethene	370	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	6.4	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	100
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	100
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	15	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	10
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: SOMA-3	Batch#: 115189
Lab ID: 187895-011	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06
Units: ug/L	Analyzed: 07/12/06
Diln Fac: 10.00	

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	20
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	20
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	115	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	105	80-122

Volatile Organics

Lab #: 187895	Location: 3815 Broadway, Oakland, CA
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2511	Analysis: EPA 8260B
Field ID: SOMA-5	Units: ug/L
Lab ID: 187895-012	Sampled: 07/06/06
Matrix: Water	Received: 07/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	10	1.000	115140	07/11/06
Freon 12	ND	1.0	1.000	115140	07/11/06
Chloromethane	ND	1.0	1.000	115140	07/11/06
Vinyl Chloride	ND	0.5	1.000	115140	07/11/06
Isopropyl Ether (DIPE)	ND	0.5	1.000	115140	07/11/06
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	115140	07/11/06
Bromomethane	ND	1.0	1.000	115140	07/11/06
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	115140	07/11/06
Chloroethane	ND	1.0	1.000	115140	07/11/06
Trichlorofluoromethane	ND	1.0	1.000	115140	07/11/06
Acetone	110	20	2.000	115189	07/12/06
Freon 113	ND	0.5	1.000	115140	07/11/06
1,1-Dichloroethene	ND	0.5	1.000	115140	07/11/06
Methylene Chloride	ND	10	1.000	115140	07/11/06
Carbon Disulfide	ND	0.5	1.000	115140	07/11/06
MTBE	ND	0.5	1.000	115140	07/11/06
trans-1,2-Dichloroethene	ND	0.5	1.000	115140	07/11/06
Vinyl Acetate	ND	10	1.000	115140	07/11/06
1,1-Dichloroethane	ND	0.5	1.000	115140	07/11/06
2-Butanone	15	10	1.000	115140	07/11/06
cis-1,2-Dichloroethene	3.5	0.5	1.000	115140	07/11/06
2,2-Dichloropropane	ND	0.5	1.000	115140	07/11/06
Chloroform	ND	0.5	1.000	115140	07/11/06
Bromochloromethane	ND	0.5	1.000	115140	07/11/06
1,1,1-Trichloroethane	ND	0.5	1.000	115140	07/11/06
1,1-Dichloropropene	ND	0.5	1.000	115140	07/11/06
Carbon Tetrachloride	ND	0.5	1.000	115140	07/11/06
1,2-Dichloroethane	ND	0.5	1.000	115140	07/11/06
Benzene	ND	0.5	1.000	115140	07/11/06
Trichloroethene	ND	0.5	1.000	115140	07/11/06
1,2-Dichloropropane	ND	0.5	1.000	115140	07/11/06
Bromodichloromethane	ND	0.5	1.000	115140	07/11/06
Dibromomethane	ND	0.5	1.000	115140	07/11/06
4-Methyl-2-Pentanone	ND	10	1.000	115140	07/11/06
cis-1,3-Dichloropropene	ND	0.5	1.000	115140	07/11/06
Toluene	ND	0.5	1.000	115140	07/11/06
trans-1,3-Dichloropropene	ND	0.5	1.000	115140	07/11/06
1,1,2-Trichloroethane	ND	0.5	1.000	115140	07/11/06
2-Hexanone	ND	10	1.000	115140	07/11/06

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-5	Units:	ug/L
Lab ID:	187895-012	Sampled:	07/06/06
Matrix:	Water	Received:	07/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	0.5	1.000	115140	07/11/06
Tetrachloroethene	ND	0.5	1.000	115140	07/11/06
Dibromochloromethane	ND	0.5	1.000	115140	07/11/06
1,2-Dibromoethane	ND	0.5	1.000	115140	07/11/06
Chlorobenzene	ND	0.5	1.000	115140	07/11/06
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	115140	07/11/06
Ethylbenzene	ND	0.5	1.000	115140	07/11/06
m,p-Xylenes	ND	0.5	1.000	115140	07/11/06
o-Xylene	ND	0.5	1.000	115140	07/11/06
Styrene	ND	0.5	1.000	115140	07/11/06
Bromoform	ND	1.0	1.000	115140	07/11/06
Isopropylbenzene	ND	0.5	1.000	115140	07/11/06
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	115140	07/11/06
1,2,3-Trichloropropane	ND	0.5	1.000	115140	07/11/06
Propylbenzene	ND	0.5	1.000	115140	07/11/06
Bromobenzene	ND	0.5	1.000	115140	07/11/06
1,3,5-Trimethylbenzene	ND	0.5	1.000	115140	07/11/06
2-Chlorotoluene	ND	0.5	1.000	115140	07/11/06
4-Chlorotoluene	ND	0.5	1.000	115140	07/11/06
tert-Butylbenzene	ND	0.5	1.000	115140	07/11/06
1,2,4-Trimethylbenzene	ND	0.5	1.000	115140	07/11/06
sec-Butylbenzene	ND	0.5	1.000	115140	07/11/06
para-Isopropyl Toluene	12	0.5	1.000	115140	07/11/06
1,3-Dichlorobenzene	ND	0.5	1.000	115140	07/11/06
1,4-Dichlorobenzene	ND	0.5	1.000	115140	07/11/06
n-Butylbenzene	ND	0.5	1.000	115140	07/11/06
1,2-Dichlorobenzene	ND	0.5	1.000	115140	07/11/06
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	115140	07/11/06
1,2,4-Trichlorobenzene	ND	0.5	1.000	115140	07/11/06
Hexachlorobutadiene	ND	0.5	1.000	115140	07/11/06
Naphthalene	ND	2.0	1.000	115140	07/11/06
1,2,3-Trichlorobenzene	ND	0.5	1.000	115140	07/11/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	116	80-120	1.000	115140	07/11/06
1,2-Dichloroethane-d4	114	80-130	1.000	115140	07/11/06
Toluene-d8	106	80-120	1.000	115140	07/11/06
Bromofluorobenzene	112	80-122	1.000	115140	07/11/06

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC346737	Batch#:	115100
Matrix:	Water	Analyzed:	07/10/06
Units:	ug/L		

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

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Batch QC Report

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC346737	Batch#:	115100
Matrix:	Water	Analyzed:	07/10/06
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	112	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-122

Batch QC Report

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC346921	Batch#:	115140
Matrix:	Water	Analyzed:	07/11/06
Units:	ug/L		

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

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC346921	Batch#:	115140
Matrix:	Water	Analyzed:	07/11/06
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	111	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-122

Batch QC Report

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC347092	Batch#:	115189
Matrix:	Water	Analyzed:	07/12/06
Units:	ug/L		

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

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Batch QC Report

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC347092	Batch#:	115189
Matrix:	Water	Analyzed:	07/12/06
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	108	80-120
Bromofluorobenzene	103	80-122

Batch QC Report

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC346736	Batch#:	115100
Matrix:	Water	Analyzed:	07/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.7	89	64-141
Isopropyl Ether (DIPE)	25.00	25.38	102	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.48	98	77-129
Methyl tert-Amyl Ether (TAME)	25.00	24.06	96	77-120
1,1-Dichloroethene	25.00	28.43	114	77-128
Benzene	25.00	25.95	104	80-120
Trichloroethene	25.00	24.69	99	80-120
Toluene	25.00	23.72	95	80-120
Chlorobenzene	25.00	24.87	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-122

Batch QC Report

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	115140
Units:	ug/L	Analyzed:	07/11/06
Diln Fac:	1.000		

Type: BS Lab ID: QC346919

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	187.5	186.0	99	64-141
Isopropyl Ether (DIPE)	37.50	40.90	109	68-123
Ethyl tert-Butyl Ether (ETBE)	37.50	39.14	104	77-129
Methyl tert-Amyl Ether (TAME)	37.50	36.20	97	77-120
1,1-Dichloroethene	37.50	44.01	117	77-128
Benzene	37.50	38.40	102	80-120
Trichloroethene	37.50	37.41	100	80-120
Toluene	37.50	36.12	96	80-120
Chlorobenzene	37.50	36.42	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC346920

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	187.5	189.3	101	64-141	2	22
Isopropyl Ether (DIPE)	37.50	41.34	110	68-123	1	20
Ethyl tert-Butyl Ether (ETBE)	37.50	39.49	105	77-129	1	20
Methyl tert-Amyl Ether (TAME)	37.50	38.62	103	77-120	6	20
1,1-Dichloroethene	37.50	43.63	116	77-128	1	20
Benzene	37.50	40.22	107	80-120	5	20
Trichloroethene	37.50	39.24	105	80-120	5	20
Toluene	37.50	36.51	97	80-120	1	20
Chlorobenzene	37.50	37.92	101	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	99	80-122

Batch QC Report

Volatile Organics			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	115189
Units:	ug/L	Analyzed:	07/12/06
Diln Fac:	1.000		

Type: BS Lab ID: QC347090

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	251.8	101	64-141
Isopropyl Ether (DIPE)	50.00	50.44	101	68-123
Ethyl tert-Butyl Ether (ETBE)	50.00	48.99	98	77-129
Methyl tert-Amyl Ether (TAME)	50.00	46.67	93	77-120
1,1-Dichloroethene	50.00	55.85	112	77-128
Benzene	50.00	48.12	96	80-120
Trichloroethene	50.00	47.39	95	80-120
Toluene	50.00	45.12	90	80-120
Chlorobenzene	50.00	47.89	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC347091

Analyte	Spiked	Result	%REC	Limits	RPD	Min
tert-Butyl Alcohol (TBA)	250.0	276.9	111	64-141	10	22
Isopropyl Ether (DIPE)	50.00	54.19	108	68-123	7	20
Ethyl tert-Butyl Ether (ETBE)	50.00	51.91	104	77-129	6	20
Methyl tert-Amyl Ether (TAME)	50.00	52.82	106	77-120	12	20
1,1-Dichloroethene	50.00	60.97	122	77-128	9	20
Benzene	50.00	52.84	106	80-120	9	20
Trichloroethene	50.00	51.72	103	80-120	9	20
Toluene	50.00	48.51	97	80-120	7	20
Chlorobenzene	50.00	51.20	102	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-122

Batch QC Report

Volatile Organics

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	115100
MSS Lab ID:	187796-009	Sampled:	06/29/06
Matrix:	Water	Received:	06/30/06
Units:	ug/L	Analyzed:	07/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC346738

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.319	125.0	138.8	111	68-148
Isopropyl Ether (DIPE)	<0.02976	25.00	27.57	110	74-125
Ethyl tert-Butyl Ether (ETBE)	<0.03253	25.00	26.90	108	80-131
Methyl tert-Amyl Ether (TAME)	<0.04809	25.00	25.64	103	78-120
1,1-Dichloroethene	<0.1010	25.00	28.34	113	77-129
Benzene	<0.1164	25.00	26.66	107	80-122
Trichloroethene	<0.1059	25.00	25.66	103	77-123
Toluene	<0.06248	25.00	24.19	97	80-120
Chlorobenzene	<0.1633	25.00	25.15	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	103	80-122

Type: MSD Lab ID: QC346739

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	138.6	111	68-148	0	23
Isopropyl Ether (DIPE)	25.00	27.58	110	74-125	0	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.44	106	80-131	2	20
Methyl tert-Amyl Ether (TAME)	25.00	25.57	102	78-120	0	20
1,1-Dichloroethene	25.00	27.60	110	77-129	3	20
Benzene	25.00	26.20	105	80-122	2	20
Trichloroethene	25.00	24.44	98	77-123	5	20
Toluene	25.00	23.69	95	80-120	2	20
Chlorobenzene	25.00	24.47	98	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	101	80-122

RPD= Relative Percent Difference



Dissolved Gasses

Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Received:	07/06/06
Units:	mg/L	Analyzed:	07/10/06
Batch#:	115111		

Field ID:	B-10	Lab ID:	187895-001
Type:	SAMPLE	Sampled:	07/06/06

Analyte	Result	RL	Diln Fac
Methane	11	0.025	5.000
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Field ID:	GW-2	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	07/06/06
Lab ID:	187895-002		

Analyte	Result	RL
Methane	ND	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Field ID:	GW-3	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	07/06/06
Lab ID:	187895-003		

Analyte	Result	RL
Methane	ND	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Field ID:	MW-11	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	07/05/06
Lab ID:	187895-004		

Analyte	Result	RL
Methane	ND	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Field ID:	LFR-1	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	07/06/06
Lab ID:	187895-005		

Analyte	Result	RL
Methane	ND	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

ND= Not Detected
RL= Reporting Limit

Dissolved Gasses			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Received:	07/06/06
Units:	mg/L	Analyzed:	07/10/06
Batch#:	115111		

Field ID: SOMA-3 Diln Fac: 1.000
 Type: SAMPLE Sampled: 07/06/06
 Lab ID: 187895-011

Analyte	Result	RL
Methane	1.4	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Field ID: SOMA-5 Lab ID: 187895-012
 Type: SAMPLE Sampled: 07/06/06

Analyte	Result	RL	Diln Fac
Methane	6.9	0.025	5.000
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Type: BLANK Diln Fac: 1.000
 Lab ID: QC346787

Analyte	Result	RL
Methane	ND	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Batch QC Report

Dissolved Gasses			
Lab #:	187895	Location:	3815 Broadway, Oakland, CA
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Batch#:	115111
Units:	mg/L	Analyzed:	07/10/06
Diln Fac:	1.000		

Type: BS Lab ID: QC346788

Analyte	Spiked	Result	%REC	Limits
Methane	0.03272	0.03497	107	80-120
Ethene	0.05725	0.05914	103	80-120
Ethane	0.06135	0.06323	103	80-120

Type: BSD Lab ID: QC346789

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Methane	0.03272	0.03580	109	80-120	2	20
Ethene	0.05725	0.06010	105	80-120	2	20
Ethane	0.06135	0.06460	105	80-120	2	20