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February 16, 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 "First Semi-Annual 2006 Groundwater Monitoring Report" for the subject property has been uploaded to the State's GeoTracker database for your review.

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

Sincerely,

Mansour Sepehr, Ph.D., P.E.
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
Mr. Stuart Depper email report

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First Semi-Annual 2006
Groundwater Monitoring Report
The Former Glovatorium Facility

3820 Manila Avenue

Oakland, California

February 16, 2006

Project 2511

Prepared for

LOEB & LOEB LLP

10100 Santa Monica Blvd., Suite 2200

Los Angeles, California 90067-4164

Prepared by

SOMA Environmental Engineering, Inc.

6620 Owens Drive, Suite A

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

Certification Statement

Claimant

Stuart Depper — Name

Responsible party — Title

39610 Potrero Dr., Newark, CA 94560

Street Address — City — Zip

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

Stu Depper

Signature

2-15-06

Date

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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 uses.

This report summarizes the results of the groundwater monitoring event conducted at the Site on January 5, 6, and 9, 2006. Included in this report are 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 PCE and other 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.

These 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 thee 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 location of the main building, fuel tank areas, and the on-site 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 26-27, 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 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 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.

Since the First Quarter 2003, based on the approval of the ACEHS, groundwater monitoring is now conducted on a semi-annual basis, except for monitoring well LFR-3 which is sampled on a quarterly 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 21feet 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, depth 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 indicated that the hydraulic conductivity of the saturated sediments ranged 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 68.06 feet in GW-3 to 80.66 feet in MW-8. 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 0.021 ft/ft. The direction of 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 16.30°C in SOMA-2 to 20.61°C in MW-11. The variation in temperature may reflect the changes in air temperature during sampling.

Measurements of pH ranged from 6.27 in LFR-3 to 6.92 in SOMA-2. The EC measurements ranged from 461 μS/cm in LFR-3 to 1,410 μS/cm in B-10.

3.1 Groundwater Quality

Table 4 displays the results of the laboratory analyses for TPH-ss, TPH-g, MtBE and 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 63 μg/L in GW-3 to 67,000 μg/L in SOMA-2. 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 88 μg/L in GW-3 to 93,000 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 chromotagraphical 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 these 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 at wells SOMA-1 and SOMA-3. MtBE was detected in wells SOMA-1 and SOMA-3 at 270 ug/L and 390 ug/L, respectively. The contour map of MtBE concentrations in the groundwater is illustrated in Figure 6. However, there is no known onsite source of MTBE.

In general, all BTEX constituents were below the laboratory reporting limit throughout the site, with the exception of the samples collected at wells SOMA-1, SOMA-2, and SOMA-3, which were below the MCL. Benzene was the only BTEX constituent detected in wells SOMA-1 and SOMA-3; at 0.6 ug/L and 1.4 ug/L, respectively. Toluene was the only BTEX constituent detected in well SOMA-2; at 54 ug/L. No iso-concentration figure was drawn for benzene due to overall low or non-detectable levels throughout the site.

Refer to Table 4 for detailed total petroleum hydrocarbon, stoddard solvent, MtBE and BTEX groundwater site-wide 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 at wells GW-4, MW-11, LFR-2, SOMA-2, and SOMA-5. Detectable PCE concentrations ranged from 3.1 μg/L in well LFR-3 to 200 μg/L in well GW-3. The contour map of PCE concentrations in the groundwater is illustrated in Figure 7.

TCE was below the laboratory reporting limit in the groundwater samples collected at wells GW-4, MW-11, LFR-2, LFR-3, and SOMA-2. Detectable TCE concentrations ranged from 0.8 μg/L in well GW-3 to 290 μg/L in B-10. The contour map of TCE concentrations in the groundwater is illustrated in Figure 8.

cis-1,2-dichloroethene was below the laboratory reporting limit in the groundwater samples collected at wells GW-3, MW-11, and LFR-3. Detectable Cis-1,2-dichloroethene concentrations ranged from 0.7 μg/L in well LFR-2 to 13,000 ug/L in well B-10. This demonstrates that biodegradation is occurring (see discussion below). The contour map of cis-1,2-dichloroethene 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 samples collected at wells SOMA-2, SOMA-3, and SOMA-5. trans-1,2-DCE was detected in wells SOMA-2, SOMA-3, and SOMA-5 at 49 ug/L, 5 ug/L, and 27 ug/L, respectively. Vinyl chloride was below the laboratory reporting limit throughout the site, with the exception of the sample collected at well SOMA-3; which was detected at 1 ug/L. 1,2-Dichloropropane (1,2-DCP) was below the laboratory reporting limit throughout the site, with the exception of the samples collected from wells GW-4, SOMA-1, and SOMA-3. 1,2-DCP was detected in wells GW-4, SOMA-1, and SOMA-3 at 1.5 ug/L, 2.6 ug/L, and 2.6 ug/L, respectively. 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, vinyl chloride, and 1,2-DCP.

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

Appendix C includes the COC forms and laboratory reports for the First Semi-Annual 2006 groundwater monitoring event.

3.2 Bioattenuation Parameter Analysis Results

A bioattenuation study was conducted during this monitoring event, to evaluate whether intrinsic bioremediation processes are active at the Site. 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 2800 ug/l in 2000 to 62 ug/l. PCE levels in SOMA 2 have dropped from 1,400 ug/l in 2001 to less than 42 ug/l. 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 of the extent of bioattenuation processes beneath the Site. Table 6 summarizes these bioattentuation 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 2.20 mg/L in well SOMA-3 to 8.11 mg/L in GW-2. 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, GW-4, 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 at well MW-11, which decreased the purge volume at 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, with the exception of the sample measured at well SOMA-2; which was at 5.6 mg/L. The contour map of nitrate concentrations in the groundwater is illustrated in Figure 11.

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 1.8 mg/L in LFR-3 to 15.7 mg/L in SOMA-2. Manganese was not detected in wells GW-3, MW-11, and SOMA-1. The contour map of dissolved manganese concentrations in the groundwater is illustrated in Figure 12.

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, GW-4, SOMA-2, SOMA-3, and SOMA-5. Detectable sulfate levels ranged from 3 mg/L in LFR-2 to 65 mg/L in well MW-11. The contour map of sulfate concentrations in the groundwater is illustrated in Figure 13.

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, and SOMA-1. Detectable ferrous iron concentrations ranged from 0.40 mg/L in well SOMA-3 to the maximum allowable tolerance level of 3.30 mg/L in wells B-10, GW-4, LFR-2, SOMA-2, and SOMA-5. The contour map of ferrous iron concentrations in the groundwater is illustrated in Figure 14.

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, and LFR-3. Detectable methane concentrations ranged from 0.025 mg/L in LFR-1 to 15 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 15.

Oxygen Reduction Potential. 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 –141 mV in SOMA-5 to +166 mV in MW-11.

Negative ORP values, detected in wells LFR-2, SOMA-2, 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 site-wide bioattentuation parameter trends.

3.3 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, and SOMA-1. Detectable total iron concentrations ranged from 0.03 mg/L in LFR-1 to the maximum allowable equipment tolerance level of 3.30 mg/L in wells B-10, GW-4, LFR-2, SOMA-2, and SOMA-5.

Nitrite: Nitrate may reduce to nitrite during the process of anaerobic biodegradation. Nitrite was below the minimal equipment tolerance level throughout the site, with the exception of wells LFR-3 and SOMA-2. Nitrite was detected in both wells LFR-3 and SOMA-2 at 0.001 mg/L

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.

4.0 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 16 illustrates the historical free product thickness measured in both wells SOMA-4 and B-8. Free product has significantly decreased in well SOMA-4 since the installation of the FAP system in February 2004. The thickness of free product in SOMA-4 has been 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. Currently, free product is being removed from both SOMA-4 and B-8. As of January 26, 2006, approximately 1,420 gallons of free product have been removed from these wells.

SOMA will continue removing free product from these wells, until the product thickness disappears. On January 24, 2006, a GeoTech pump was used to remove free from well SOMA-4.

5.0 CONCLUSIONS AND RECENT ACTIVITIES

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

1. All analyzed constituents for the furthest down-gradient well, LFR-3, with the exception PCE, which was below the MCL, and the furthest up-gradient well, MW-11 were below the laboratory reporting limit.

2. Due to the presence a minor concentration of PCE in LFR-3, the most downgradient monitoring well, SOMA is planning to monitor LFR3 on a quarterly basis.

3. The data collected to date regarding the distribution of PCE and other VOCs in the groundwater demonstrate that PCE has been 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 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.

4. The presence of TCE in wells B-10, GW-2, GW-3, LFR-1, SOMA-1, SOMA-3, and SOMA-5, during the current sampling event, demonstrates that PCE degradation is occurring. The presence of relatively high concentrations of cis-1,2-DCE in wells B-10, SOMA-2, SOMA-3, and SOMA-5 and its presence in wells GW-2, GW-4, LFR-1, LFR-2, and SOMA-1 is also indicative of biodegradation.

5. 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.

6. In general, the apparent source area still appears to be in the region of wells SOMA-2, SOMA-3, SOMA-5, and B-10.

7. The PCE levels found in LFR 3 (3.1 ug/L) were relatively low, below levels found in well GW-3. 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 will gradually disappear in seven years, as occurring in SOMA-2 and LFR-1..This is due to the natural bioattenuation of PCE caused by advection and dispersion processes.

8. In order to evaluate the age of the remaining free products in SOMA-4 and B-8, SOMA recommends collecting two free product samples from SOMA-4 and B-8. The samples will be submitted to the specialty laboratory. The result will reveal whether or not the source of existing free product belongs to the new release(s).

SOMA is currently in the process of removing free product from the subsurface. In addition of addressing the issues raised in the Alameda County, Health Care Services Agency letter dated June 21, 2005. In future monitoring events sampling of temporary well B-10 will continue. Also, the VOC reporting limits for well SOMA-3 were set at 0.5 ug/L. However, due to a high cis-1,2-Dichloroethene concentration detected at well SOMA-2, the reporting limits could not be set at a lower level without damaging the laboratory testing equipment.

6.0 References

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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-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-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-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 (^{o}C)	Electrical Conductivity (µS/cm)
Temporary Sampling Points Installed by Geosolv, LLC												
B-7	11-Aug-00	760	39	202				<0.0005	<0.0005	6.86	17.55	1279
B-7 field	11-Aug-00					-1.00	0.05					
	31-Oct-00	760	42	200	14.00	<0.1	<2.0					
B-7 field	31-Oct-00				17.22	-1.00	-1.00			6.16	16.05	1454
	31-Jan-00	720	43	170	12.00	<0.1	<2.0					
B-7 field	31-Jan-00									6.79	13.90	1424
	26-Apr-01				>3.3	0.24				6.59	16.30	1340
	26-Jul-01				15.30	0.02				6.39	15.97	1400
B-10 field	10-Aug-00					0.02	0.06					
B-10	31-Oct-00	500	76	120	6.60	<0.1	<2.0					
	31-Oct-00				8.35	0.00	0.00			6.21	16.62	1051
	31-Jan-01	480	81	72	6.10	<0.1	<2.0					
	31-Jan-01				1.44	0.07				6.81	14.66	1117
	11-Jun-01				1.31					6.65	16.70	1090
	26-Jul-01				6.50	0.00				6.38	16.09	1160
	10-Aug-01	520	74	145	6.00	<0.05	<0.04	<0.0005	0.00	6.86	16.80	1130
	6-Jul-05	NM	NM	NM	3.30	0.348	NM	<0.005	<0.005	6.70	16.55	1420
	9-Jan-06	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**<0.005**	**<0.005**	**6.68**	**16.48**	**1410**
Temporary Sampling Points Installed by LFR												
GW-2	01-Nov-00									6.31	18.97	1218
	30-Jan-01			63								
GW-2 field	31-Jan-01									6.82	13.75	846
	26-Apr-01				0.02					6.80	19.50	874
	26-Jul-01				0.03	0.02				6.74	20.30	803
	19-Oct-01	NM	NM	NM	NM	NM	NM	NM	NM	6.84	21.30	786

Table 3
Historical Analytical Results and Field Measurements for
Dissolved Ions and Gas, pH, Temperature, and Electrical Conductivity in Groundwater Samples
Former Glovatorium Site
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 (^{o}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**
GW-3	11-Aug-00	340	25	54				<0.0005	<0.0005	7.05	21.43	860
GW-3 field	11-Aug-00					0.05	-1.00					
GW-3 field	1-Nov-00									6.52	18.83	967
	1-Feb-01			54								
GW-3 field	29-Jan-01									6.89	17.29	602
	11-Jun-01				0.00	0.70				5.68	16.20	673
	26-Jul-01				0.14	0.00				6.53	22.25	547
	19-Oct-01	NM	NM	NM	0.00	NM	NM	NM	NM	6.84	22.56	590
	31-Jan-02	NM	NM	NM	0.14	0.01	NM	NM	NM	6.70	18.40	593
	16,17-Apr-02	NM	NM	NM	0.00	0.00	NM	NM	NM	6.64	16.61	526
	17,18-Jul-02	NM	NM	NM	1.08	0.01	NM	NM	NM	6.32	17.10	545
	23-Oct-02	NM	NM	NM	0.00	0.00	NM	NM	NM	6.36	19.80	425
	19-Feb-03	NM	NM	NM	0.08	0.01	NM	NM	NM	6.77	17.80	412
	29-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	7.07	19.40	490
	29-Jan-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.65	18.20	450
	3-Aug-04	NM	NM	NM	0.00	0.00	NM	NM	NM	6.74	20.20	436
	2-Feb-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.28	19.39	445
	6-Jul-05	NM	NM	NM	0.00	0.00	NM	<0.005	<0.005	6.90	18.99	415
	6-Jan-06	**NM**	**NM**	**NM**	**0.00**	**0.000**	**NM**	**<0.005**	**<0.005**	**6.89**	**18.75**	**471**

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 (^{o}C)	Electrical Conductivity (µS/cm)
GW-4	30-Jan-01									6.60	13.48	479
	26-Jul-01				2.00	0.04				6.45	19.44	827
	19-Oct-01	NM	NM	NM	11.00	NM	NM	NM	NM	6.79	18.36	732
	31-Jan-02	NM	NM	NM	12.70	0.01	NM	NM	NM	6.50	12.00	414
	16,17-Apr-02	NM	NM	NM	6.40	0.03	NM	NM	NM	6.34	13.98	467
	17,18-Jul-02	NM	NM	NM	>3.3	0.03	NM	NM	NM	6.49	21.93	572
	23-Oct-02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	19-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.67	13.60	466
	30-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	7.30	18.70	430
	29-Jan-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.85	13.00	534
	3-Aug-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.96	22.62	509
	1-Feb-05	NM	NM	NM	3.30	0.00	NM	NM	NM	6.80	13.25	382
	6-Jul-05	NM	NM	NM	3.30	0.028	NM	<0.005	<0.005	6.98	18.71	403
	5-Jan-06	**NM**	**NM**	**NM**	**3.30**	**0.000**	**NM**	**<0.005**	**<0.005**	**6.72**	**17.98**	**610**
Monitoring Wells Owned by TOSCO												
MW-11	10-Aug-00	360	110	216	0.13	<0.05	<0.04	<0.0005	<0.0005	6.47	21.00	1
MW-11 field	10-Aug-00					0.04	0.00					
	1-Nov-00	300	120	190	<0.05	<0.1	<2.0					
MW-11 field	1-Nov-00				0.01	0.00	-1.00			5.83	20.13	1
	31-Jan-01	330	130	150	<0.05	<0.1	<2.0					
MW-11 field	31-Jan-01									6.35	13.67	1
	26-Apr-01				0.01					5.67	18.00	1210
	26-Jul-01				0.00	0.02				6.02	19.85	1120
	19-Oct-01	NM	NM	NM	0.00	NM	NM	NM	NM	6.41	21.25	130
	31-Jan-02	NM	NM	NM	0.05	0.04	NM	NM	NM	6.60	18.50	1090
	16,17-Apr-02	NM	NM	NM	0.00	0.00	NM	NM	NM	5.87	18.70	1150
	17,18-Jul-02	NM	NM	NM	0.00	0.02	NM	NM	NM	6.27	18.37	1180
	23-Oct-02	NM	NM	NM	0.00	0.04	NM	NM	NM	6.62	20.81	1220
	18-Feb-03	NM	NM	NM	0.00	0.04	NM	NM	NM	6.49	19.50	1170
	30-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	6.92	19.70	941
	29-Jan-04	NM	NM	NM	0.00	1.80	NM	NM	NM	6.61	19.00	1000
	3-Aug-04	NM	NM	NM	0.00	0.00	NM	NM	NM	8.86	21.70	825
	1-Feb-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.43	20.55	856
	5-Jul-05	NM	NM	NM	0.13	0.00	NM	<0.005	<0.005	6.16	20.25	1130
	5-Jan-06	**NM**	**NM**	**NM**	**0.00**	**0.000**	**NM**	**<0.005**	**<0.005**	**6.39**	**20.61**	**817**

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 (^{o}C)	Electrical Conductivity (µS/cm)
Monitoring Wells Installed by LFR												
LFR-1	11-Aug-00	250	110					<0.0005	<0.0005	6.97	19.73	936
LFR-1 field	09-Aug-00			51		0.02	-1.00					
	30-Oct-00	240	100	25	<0.05	<0.1	<2					
LFR-1 field/sp	30-Oct-00				0.01/0.01	0.031/0.036	0.001/0.001			6.38	17.94	697
LFR-1-spl	30-Oct-00	220	100	40	<0.05	<0.1	<2					
	29-Jan-01	150	76	28	<0.05	<0.1	<2					
LFR-1 field	29-Jan-01				0.00	0.04				6.82	15.00	870
LFR-1 Dup	29-Jan-01	150	75	26	<0.05	<0.1	<2					
	26-Apr-01				0.00					5.76	16.80	980
	26-Jul-01				0.05	0.01				6.48	19.38	772
	26-Jul-01	NM	NM	NM	0.42	NM	NM	NM	NM	6.73	20.83	661
	31-Jan-02	NM	NM	NM	0.03	0.01	NM	NM	NM	6.50	16.50	879
	16,17-Apr-02	NM	NM	NM	0.75	0.02	NM	NM	NM	5.88	16.37	1120
	17,18-Jul-02	NM	NM	NM	0.22	0.01	NM	NM	NM	6.40	17.02	832
	23-Oct-02	NM	NM	NM	0.30	0.00	NM	NM	NM	6.54	20.09	803
	18-Feb-03	NM	NM	NM	0.40	0.00	NM	NM	NM	6.47	16.90	607
	30-Jul-03	NM	NM	NM	0.02	0.00	NM	NM	NM	6.92	19.20	1330
	29-Jan-04	NM	NM	NM	0.00	5.10	NM	NM	NM	6.62	18.00	830
	4-Aug-04	NM	NM	NM	0.47	0.00	NM	NM	NM	6.39	19.01	1260
	2-Jan-05	NM	NM	NM	0.00	0.00	NM	NM	NM	6.73	17.80	744
	6-Jul-05	NM	NM	NM	0.09	0.002	NM	<0.005	<0.005	6.69	18.26	1360
	6-Jan-06	**NM**	**NM**	**NM**	**0.03**	**0.000**	**NM**	**<0.005**	**<0.005**	**6.31**	**19.06**	**1260**
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 (^{o}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**
LFR-3	10-Aug-00	310	85	162	<0.1	0.15	0.04	<0.0005	<0.0005	6.57	19.92	951
LFR-3 split	10-Aug-00	300	85	152				<0.0005	<0.0005			
LFR-3 field	10-Aug-00					0.06	-1.00					
	01-Nov-00	350	66	160	<0.05	<0.1	<2					
LFR-3 field	01-Nov-00				0.01	0.01	0.00			6.16	17.71	1164
	30-Jan-01	250	31	71	<0.05	<0.1	<2					
LFR-3 field	30-Jan-01				0.03					6.64	17.29	541
	11-Jun-01				0.01					5.43	18.00	613
	26-Jul-01				0.70	0.03				6.25	20.50	602
	18-Oct-01	NM	NM	NM	0.12	NM	NM	NM	NM	6.50	21.39	645
	31-Jan-02	NM	NM	NM	0.06	0.02	NM	NM	NM	6.30	19.10	566
	16,17-Apr-02	NM	NM	NM	1.20	0.04	NM	NM	NM	5.78	18.68	566
	17,18-Jul-02	NM	NM	NM	0.08	0.01	NM	NM	NM	6.17	18.42	585
	23-Oct-02	NM	NM	NM	1.35	0.00	NM	NM	NM	6.32	20.65	457
	19-Feb-03	NM	NM	NM	0.74	0.00	NM	NM	NM	6.34	19.30	497
	30-Jul-03	NM	NM	NM	0.00	0.00	NM	NM	NM	6.87	19.80	457
	29-Jan-04	NM	NM	NM	1.70	0.00	NM	NM	NM	6.60	20.00	393
	3-Aug-04	NM	NM	NM	0.34	0.00	NM	NM	NM	6.24	19.96	415
	2-Feb-05	NM	NM	NM	0.12	0.00	NM	NM	NM	6.17	20.06	381
	5-Jul-05	NM	NM	NM	3.30	0.205	NM	<0.005	<0.005	6.39	20.01	463
	9-Dec-05	NM	NM	NM	NM	NM	NM	<0.005	<0.005	NM	NM	NM
	6-Jan-06	**NM**	**NM**	**NM**	**2.16**	**0.001**	**NM**	**<0.005**	**<0.005**	**6.27**	**20.42**	**461**

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 (^{o}C)	Electrical Conductivity (µS/cm)
LFR-4	11-Aug-00	630	71	161				<0.0005	<0.0005	6.90	20.11	1240
LFR-4 FB	10-Aug-00							<0.0005	<0.0005			
LFR-4 field	11-Aug-00				0.22	0.02	0.00					
	31-Oct-00	490	28	130	1.00	<0.1	<2					
LFR-4 field	31-Oct-00				0.67	0.02	0.00			6.21	18.11	830
	01-Feb-01	460	25	120	1.30	<0.1	<2					
LFR-4 field	01-Feb-01				1.43	0.02				6.55	15.28	916
	27-Apr-01				1.44					5.79	18.30	1060
	26-Jul-01				0.95	0.00				6.26	19.23	866
	16,17-Apr-02	NM	NM	NM	5.10	0.03	NM	NM	NM	6.19	18.04	925
	17,18-Jul-02	NM	NM	NM	>3.3	0.01	NM	NM	NM	5.92	17.28	878
	23-Oct-02	NM	NM	NM	3.30	0.00	NM	NM	NM	6.69	19.90	602
	19-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.38	19.10	994
	29-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.94	19.00	994
	29-Jan-04	NM	NM	NM	0.71	0.00	NM	NM	NM	6.53	19.50	689
	5-Jul-05	NM	NM	NM	3.30	0.00	NM	<0.005	<0.005	6.49	19.20	772
	5-Jan-06	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
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**

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 (^{o}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**
SOMA-3	19-Oct-01	NM	NM	NM	0.40	NM	NM	NM	NM	6.91	17.09	158
	31-Jan-02	NM	NM	NM	0.78	0.38	NM	NM	NM	6.50	14.90	1320
	16,17-Apr-02	NM	NM	NM	1.03	0.00	NM	NM	NM	6.23	15.83	1260
	17,18-Jul-02	NM	NM	NM	>3.3	0.00	NM	NM	NM	6.77	15.03	1290
	23-Oct-02	NM	NM	NM	3.30	0.03	NM	NM	NM	7.02	16.44	970
	19-Feb-03	NM	NM	NM	3.30	0.00	NM	NM	NM	6.87	15.80	1350
	29-Jul-03	NM	NM	NM	3.30	0.00	NM	NM	NM	7.27	16.20	1200
	29-Jan-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.75	16.20	925
	4-Aug-04	NM	NM	NM	3.30	0.00	NM	NM	NM	6.79	16.43	956
	2-Feb-05	NM	NM	NM	0.15	0.00	NM	NM	NM	6.62	16.64	968
	6-Jul-05	NM	NM	NM	1.12	0.00	NM	<0.005	<0.005	6.56	16.79	935
	6-Jan-06	**NM**	**NM**	**NM**	**0.49**	**0.000**	**NM**	**<0.005**	**<0.005**	**6.38**	**16.84**	**1120**
SOMA-4	Oct-19-01	NM	NM	NM	0.26	NM	NM	NM	NM	6.53	16.88	145
	23-Oct-02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	19-Feb-03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	29-Jul-03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	5-Jul-05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	5-Jan-06	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
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**

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**
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)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)
GW-2 cont.	31-Jan-02	<0.05	<0.05	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]
	16,17-Apr-02	<0.05	<0.05	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22-Oct-02	<0.05	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	19-Feb-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jul-03	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	28-Jan-04	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	4-Aug-04	0.054 [YZ]	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	2-Feb-05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	6-Jul-05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	**<0.05**	**<0.05**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**
GW-3	19-Jul-99	0.070 [Z]	0.100 [Z]	<0.0020	<0.0005	<0.0005	<0.0005	0.00064
	20-Jan-00	0.15	0.260 [Y]	<0.0020	<0.0005	<0.0005	<0.0005	0.00130 [C]
	27-Apr-00	0.20 [YZ]	0.380 [YZ]	<0.0020	<0.0005	<0.0005	<0.0005	<0.00050
	27-Apr-00	0.30 [Z]	0.570 [YZ]	<0.0020	<0.0005	<0.0005	<0.0005	<0.00050
	11-Aug-00	<0.05	0.077 [YZ]	<0.0020	<0.0005	<0.0005	<0.0005	0.00051
	2-Nov-00	<0.05	0.050 [YZ]	0.0026	<0.0005	<0.0005	<0.0005	<0.00050
	1-Feb-01	<0.05	<0.05	<.0020	<.0005	<0.0005	<0.0005	<0.00050
	27-Apr-01	<0.05	0.062 [YZ]	0.0056	<0.0005	<0.0005	<0.0005	<0.00050
	27-Jul-01	<0.05	<0.05	0.0008	<0.0005	<0.0005	<0.0005	<0.00050
	19-Oct-01	0.054	0.11	<0.0100	<0.0100	<0.0100	<0.0100	<0.02000
	31-Jan-02	<0.05	0.070 [YZ]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.00500 [b]
	16,17-Apr-02	<0.05	0.055 [YZ]	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
	17,18-Jul-02	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	22,23-Oct-02	0.11 [YZ]	0.140 [YZ]	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071
	19-Feb-03	0.068 [YZ]	0.100 [YZ]	<0.005	<0.005	<0.005	<0.005	<0.005
	29-Jul-03	0.120 [YZ]	0.180 [YZ]	<0.010	<0.010	<0.010	<0.010	<0.010
	28-Jan-04	0.051 [YZ]	0.086 [YZ]	<0.005	<0.005	<0.005	<0.005	<0.005
	3-Aug-04	0.170 [YZ]	0.150 [YZ]	<0.017	<0.017	<0.017	<0.017	<0.017
	2-Feb-05	0.190 [Z]	0.250 [HYZ]	<0.031	<0.031	<0.031	<0.031	<0.031
	6-Jul-05	0.084 [YZ]	0.11 [YZ]	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
	6-Jan-06	**0.063 [YZ]**	**0.088 [YZ]**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

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

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

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

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

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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**
SOMA-3	19-Oct-01	0.42	0.83	0.65	<0.02500	<0.02500	<0.0250	<0.0500
	31-Jan-02	0.23	0.41 HY	0.31 b	<0.01300 b	<0.01300 b	<0.0130 b	<0.0130 b
	16,17-Apr-02	0.61	1.00 HY	0.42	0.00078	0.00068	<0.0005	<0.0005
	17,18-Jul-02	0.41	0.69 H Y	0.38	<0.017	<0.017	<0.017	<0.017
	22,23-Oct-02	3.00	4.700 HY	<0.17	<0.170	<0.170	<0.170	<0.170
	19-Feb-03	2.50	3.800 HY	<0.13	<0.130	<0.130	<0.130	<0.130
	29-Jul-03	2.10	3.100 HY	<0.13	<0.130	<0.130	<0.130	<0.130
	29-Jan-04	4.10	6.8 HY	<0.31	<0.310	<0.310	<0.310	<0.310
	4-Aug-04	4.00	3.6 HY	<0.50	<0.500	<0.500	<0.500	<0.500
	2-Feb-05	0.27	0.36 HY	0.25	<0.063	<0.063	<0.063	<0.063
	6-Jul-05	0.32	0.43 HY	0.32	0.0017	<0.0005	<0.0005	0.0016
	6-Jan-06	**0.22**	**0.30 HY**	**0.39**	**0.0014**	**<0.0005**	**<0.0005**	**0.0012**
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**

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 analzed 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**
B-13	24-Jan-00	0.020	0.029	0.13	0.005	< 0.0005	< 0.0005
Temporary Sampling Points Installed by LFR							
GW-2	19-Jul-99	0.014	0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	20-Jan-00	0.130	0.019	0.006	< 0.0005	< 0.0005	< 0.0005
	28-Apr-00	0.120	0.016	0.003	< 0.0005	< 0.0005	< 0.0005
	2-Nov-00	0.008	0.001	0.003	< 0.0005	< 0.0005	< 0.0005
	1-Feb-01	0.008	0.001	0.003	< 0.0005	< 0.0005	< 0.0005
	27-Apr-01	0.010	0.002	0.002	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.033	0.004	0.002	<0.0005	<0.0005	<0.0005
	19-Oct-01	0.019	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050

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-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**
GW-3	19-Jul-99	0.220	<0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	20-Jan-00	0.055	0.001	0.020	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	0.350	0.002	0.006	< 0.0005	< 0.0005	< 0.0005
Split	27-Apr-00	0.270	0.002	0.002	< 0.0013	< 0.0013	< 0.0013
	11-Aug-00	0.068	0.003	0.012	< 0.0005	< 0.0005	< 0.0005
	2-Nov-00	0.059	0.001	0.002	< 0.0005	< 0.0005	< 0.0005
	1-Feb-01	0.046	0.001	0.001	< 0.0005	< 0.0005	< 0.0005
	27-Apr-01	0.079	0.001	0.002	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.090	0.001	<0.0005	<0.0005	<0.0005	<0.0005
	19-Oct-01	0.180	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100
	31-Jan-02	0.0960 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0100 [b]	<0.0050 [b]
	16,17-Apr-02	0.160	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	0.086	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	0.200	<0.0071	<0.0071	<0.0071	<0.014	<0.0071
	19-Feb-03	0.240	<0.005	0.006	<0.005	<0.010	<0.005
	29-Jul-03	0.430	<0.010	<0.010	<0.010	<0.010	<0.010
	28-Jan-04	0.170	<0.005	<0.005	<0.005	<0.010	<0.005
	3-Aug-04	0.440	<0.017	<0.017	<0.017	<0.033	<0.017
	2-Feb-05	0.360	<0.031	<0.031	<0.031	<0.063	<0.031
	6-Jul-05	0.320	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
	6-Jan-06	**0.200**	**0.0008**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

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	19-Jul-99	< 0.0005	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	20-Jan-00	0.001	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
Split	20-Jan-00	0.001	< 0.0005	0.004	< 0.0005	< 0.0005	0.002
	27-Apr-00	0.002	< 0.0005	0.001	< 0.0005	< 0.0005	0.001
	30-Jan-01	< 0.0005	< 0.0005	0.002	< 0.0005	< 0.0005	0.001
	27-Jul-01	< 0.0005	< 0.0005	0.003	< 0.0005	0.001	0.002
	19-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0100 [b]	<0.0050 [b]
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	28-Jan-04	0.0081	<0.005	0.010	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	1-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	6-Jul-05	0.0006	<0.0005	0.0013	<0.0005	<0.0005	0.0011
	5-Jan-06	**<0.0005**	**<0.0005**	**0.0018**	**<0.0005**	**<0.0005**	**0.0015**
GW-5	27-Aug-99	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	20-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
GW-6A	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Split	27-Aug-99	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	25-Jan-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	27-Apr-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
GW-7	15-Jul-99	< 0.0005	< 0.0005	0.004	< 0.0005	< 0.0005	0.001
	15-Jul-99	< 0.0020	< 0.0020	0.004	< 0.0020	< 0.0020	< 0.0020
Split	15-Jul-99	< 0.0020	< 0.0020	0.004	< 0.0020	< 0.0020	< 0.0020
GW-8	19-Jul-99	0.024	0.015	0.004	0.002	0.001	< 0.0005
	20-Jan-00	0.150	0.190	0.053	0.012	0.005	< 0.0007
Split	20-Jan-00	0.150	0.180	0.052	0.011	0.005	< 0.0005
	28-Apr-00	0.120	0.110	0.029	0.005	0.002	< 0.0005

Table 5
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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**
Monitoring wells installed by LFR							
LFR-1	9-Aug-00	2.80	0.064	0.041	< 0.0083	< 0.0083	< 0.0083
	30-Oct-00	0.82	0.034	0.010	< 0.0031	< 0.0031	< 0.0031
Split	30-Oct-00	0.87	0.035	0.014	< 0.0031	< 0.0031	< 0.0031
	29-Jan-01	0.77	0.026	0.007	<0.0025	<0.0025	<0.0025
	26-Apr-01	0.44	0.013	0.005	<0.0013	<0.0013	<0.0013
	27-Jul-01	0.38	0.031	0.010	<0.0013	<0.0013	<0.0013
	18-Oct-01	0.78	0.093	<0.0310	<0.0310	<0.0630	<0.0310
	31-Jan-02	0.37 [b]	0.035 [b]	<0.0130 [b]	<0.0130 [b]	<0.0250 [b]	<0.0130 [b]
	16,17-Apr-02	0.38	0.040	<0.0130	<0.0130	<0.0250	<0.0130
	17,18-Jul-02	0.36	0.041	<0.013	<0.013	<0.025	<0.013
	22,23-Oct-02	0.18	0.024	0.007	<0.005	<0.010	<0.005
	18-Feb-03	0.28	0.032	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	0.15	0.027	0.007	<0.005	<0.010	<0.005
	29-Jan-04	0.15	0.023	0.0077	<0.0063	<0.013	<0.0063
	4-Aug-04	0.058	0.016	0.0052	<0.005	<0.010	<0.005
	2-Feb-05	0.089	0.0079	0.0072	<0.005	<0.010	<0.005
	6-Jul-05	0.096	0.0260	0.0049	<0.0005	<0.0005	<0.0005
	6-Jan-06	**0.062**	**0.0076**	**0.0010**	**<0.0005**	**<0.0005**	**<0.0005**

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LFR-2	11-Aug-00	< 0.0005	< 0.0005	0.035	< 0.0005	0.005	< 0.0005
	2-Nov-00	< 0.0005	< 0.0005	0.130	0.001	0.015	0.001
	29-Jan-01	<0.0005	<0.0005	0.006	<0.0005	0.002	<0.0005
	27-Apr-01	0.001	<0.0005	0.006	<0.0005	0.001	<0.0005
split	27-Jul-01	0.001	0.001	0.019	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.0071	<0.0071	0.160	<0.0071	<0.0140	<0.0071
	27-Apr-01	0.001	<0.0005	0.007	<0.0005	0.002	<0.0005
	31-Jan-02	<0.0050 [b]	<0.0050 [b]	0.0069 [b]	<0.0050 [b]	<0.0100 [b]	<0.0050 [b]
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	0.012	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	0.066	<0.005	<0.010	<0.005
	18-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	0.011	<0.005	<0.010	<0.005
	4-Aug-04	<0.005	<0.005	0.012	<0.005	<0.010	<0.005
	1-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	5-Jul-05	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	<0.0005
	5-Jan-06	**<0.0005**	**<0.0005**	**0.0007**	**<0.0005**	**<0.0005**	**<0.0005**
LFR-3	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Split	10-Aug-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	1-Nov-00	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	30-Jan-01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Apr-01	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	27-Jul-01	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	18-Oct-01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	31-Jan-02	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0050 [b]	<0.0100 [b]	<0.0050 [b]
	16,17-Apr-02	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050
	17,18-Jul-02	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
	22,23-Oct-02	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	19-Feb-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	30-Jul-03	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	29-Jan-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	3-Aug-04	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	2-Feb-05	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005
	5-Jul-05	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	9-Dec-05	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	6-Jan-06	**0.0031**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**

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-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
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**
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**

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)
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**
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**

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**	
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**	
GW-3	11-Aug-00						< 0.0005	395	
GW-3-field	11-Aug-00	0.72		1.0	46				
GW-3-field	1-Nov-00	7.76						81	
	29-Jan-01	8.80					0.0120		
GW-3-field	1-Feb-01	8.99						235	
	27-Apr-01	2.90	0.0	0.7	30	0.00	0.0150	212	NM
	26-Jul-01	2.48	0.0	2.4	52	0.12	0.0083	214	
GW-3 field	18-Oct-01	3.76	0.0	5.2	4.9	0.00	0.0041	131	NM
	31-Jan-02	3.70	0.2	1.3	52	0.00	0.0081	163	
	16,17-Apr-02	7.55	0.0	4.2	59	0.00	0.0006	133	
	17,18-Jul-02	3.50	0.0	0.0	47	0.22	0.0100	155	
	22,23-Oct-02	2.19	0.0	1.6	33	0.00	0.0007	178	
	19-Feb-03	5.28	0.4	4.0	43	0.02	0.0007	123	
	29-Jul-03	6.12	0.0	0.0	31	0.00	0.0005	96	
	28-Jan-04	4.21	0.0	0.8	61	0.00	0.00042	141	
	3-Aug-04	10.20	0.0	0.0	41	0.00	0.00028	84	
	2-Feb-05	3.97	0.5	0.0	12	0.00	<0.0050	84	
	6-Jul-05	7.96	2.9	0.5	52	0.00	<0.005	67	
	6-Jan-06	**5.22**	**0.0**	**0.0**	**4.0**	**0.00**	**<0.005**	**61**	
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**	
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	18-Oct-01	1.03	0.0	6.9	24	0.18	0.0054	119	NM
LFR-1	31-Jan-02	1.80	0.3	5.5	31	0.00	0.0062	163	
	16,17-Apr-02	1.68	0.3	1.5	38	0.39	0.0030	240	
	17,18-Jul-02	0.00	0.0	6.1	3	0.07	0.0047	209	
	22,23-Oct-02	0.00	0.4	0.0	23	0.15	0.0008	265	
	18-Feb-03	7.76	0.0	4.3	30	0.00	0.0008	260	
	30-Jul-03	0.58	0.3	0.0	10	0.00	0.0004	190	
	29-Jan-04	3.12	0.5	0.0	57	0.00	0.0011	19	
	4-Aug-04	6.26	5.8	0.0	17	0.00	0.0010	62	
	2-Feb-05	5.24	0.0	0.0	1	0.00	0.0120	93	
	6-Jul-05	8.53	0.2	2.5	40	0.00	<0.005	110	
	6-Jan-06	**5.43**	**3.9**	**0.0**	**5**	**0.00**	**0.025**	**161**	
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**	

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**	
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	

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**	
SOMA-2	18-Oct-01	0.57	0.0	0.4	0.0	40.00	6.60	-89	NM
	31-Jan-02	0.70	3.8	0.8	0.0	9.00	13.00	103	NM
	16,17-Apr-02	0.00	0.5	0.1	0.0	7.40	14.00	-69	
	17,18-Jul-02	0.00	5.7	0.0	0.0	>3.3	9.40	-87	
	22,23-Oct-02	0.35	1.7	2.8	15	3.30	2.20	-98	
	19-Feb-03	3.17	1.9	1.7	0.0	2.89	2.40	-72	
	30-Jul-03	2.71	1.0	0.0	0.0	0.83	1.00	-53	
	28-Jan-04	4.52	0.2	0.0	0.0	1.46	1.70	-8	
	4-Aug-04	7.06	0.4	0.0	0.0	0.31	1.40	-33	
	2-Feb-05	1.17	8.4	0.0	0.0	3.30	13.00	-95	
	6-Jul-05	5.67	1.1	0.0	0.0	3.30	11.00	-66	
	9-Jan-06	**3.01**	**15.7**	**5.6**	**0.0**	**3.30**	**15.00**	**-60**	
SOMA-3	18-Oct-01	1.32	0.0	0.0	33	0.22	1.00	2	NM
	31-Jan-02	1.00	22.0	2.0	54	0.62	0.46	-71	NM
	16,17-Apr-02	2.60	0.0	0.6	42	0.77	0.41	29	
	17,18-Jul-02	0.97	10.9	0.0	23	>3.3	0.94	-51	
	22,23-Oct-02	0.30	2.7	0.1	7	3.26	4.20	-98	
	19-Feb-03	0.18	0.0	0.0	0.0	3.30	9.00	-88	
	30-Jul-03	0.00	2.0	0.0	0.0	3.30	8.70	-106	
	29-Jan-04	2.30	3.5	0.0	0.0	3.30	8.40	-85	
	4-Aug-04	5.35	0.0	0.0	0.0	3.30	6.50	-105	
	2-Feb-05	3.66	0.3	0.0	0.0	0.00	2.70	-73	
	6-Jul-05	9.65	0.7	0.0	0.0	0.77	2.50	84	
	6-Jan-06	**2.20**	**2.9**	**0.0**	**0.0**	**0.40**	**3.10**	**86**	
SOMA-4	18-Oct-01	0.83	4.0	22.0	17	0.22	1.20	88	NM
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**	

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

SOMA-4			
Date	**Depth to Water (feet)**	**Depth to Free Product (feet)**	**Thickness of Free Product (feet)**
2002			
31-Jan-02	11.30	8.80	2.50
10-Apr-02	12.45	9.58	2.87
29-Apr-02	13.00	9.80	3.20
10-Sep-02	16.75	10.26	6.49
19-Sep-02	16.32	10.64	5.68
27-Sep-02	16.59	10.65	5.94
3-Oct-02	16.95	11.65	5.30
7-Oct-02	17.40	11.01	6.39
8-Oct-02	17.11	10.75	6.36
14-Oct-02	17.51	10.53	6.98
25-Oct-02	16.90	10.96	5.94
01-Nov-02	15.59	11.70	3.89
14-Nov-02	16.24	11.20	5.04
20-Nov-02	13.44	11.90	1.54
15-Dec-02	12.73	12.10	0.63
2003			
18-Jul-03	17.70	7.20	10.50
2004			
28-Jan-04	12.00	2.90	9.10
2005			
29-Jun-05	10.40	10.10	0.30
18-Jul-05	10.35	9.90	0.45
25-Jul-05	10.75	10.00	0.75
1-Aug-05	10.87	9.25	1.62
24-Aug-05	13.47	9.95	3.52
31-Aug-05	11.15	10.01	1.14
6-Sep-05	12.98	10.78	2.20
12-Sep-05	11.15	9.10	2.05
19-Sep-05	12.90	10.80	2.10
5-Oct-05	12.80	10.85	1.95
2006			
4-Jan-06	12.50	8.60	3.90
12-Jan-06	13.10	10.30	2.80
18-Jan-06	13.64	10.50	3.14
24-Jan-06	**9.20**	**9.19**	**0.01**

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

B-8			
Date	Depth to Water (feet)	Depth to Free Product (feet)	Thickness of Free Product (feet)
2001			
18-Oct-01	12.31	10.21	2.10
2002			
31-Jan-02	6.79	6.29	0.50
10-Apr-02	8.22	8.08	0.14
29-Apr-02	8.55	8.45	0.10
3-Oct-02	10.40	9.64	0.76
7-Oct-02	10.37	8.79	1.58
8-Oct-02	10.28	9.68	0.60
14-Oct-02	10.30	9.69	0.61
22-Oct-02	10.39	9.70	0.69
2003			
18-Jul-03	9.40	9.17	0.23
2005			
29-Jun-05	11.50	11.25	0.25
18-Jul-05	10.90	10.10	0.80
25-Jul-05	10.92	10.20	0.72
1-Aug-05	10.85	9.85	1.00
24-Aug-05	10.35	10.10	0.25
31-Aug-05	10.48	10.10	0.38
6-Sep-05	10.86	10.59	0.27
12-Sep-05	10.59	10.00	0.59
19-Sep-05	11.20	10.60	0.60
5-Oct-05	11.30	10.50	0.80
2006			
4-Jan-06	9.50	8.00	1.50
12-Jan-06	11.40	10.20	1.20
18-Jan-06	11.93	11.00	0.93
24-Jan-06	**8.65**	**8.65**	**0.00**

FIGURES

N

approximate scale in feet

0 250 500

Figure 1: Site vicinity map.

SOMA ENVIRONMENTAL ENGINEERING, INC.

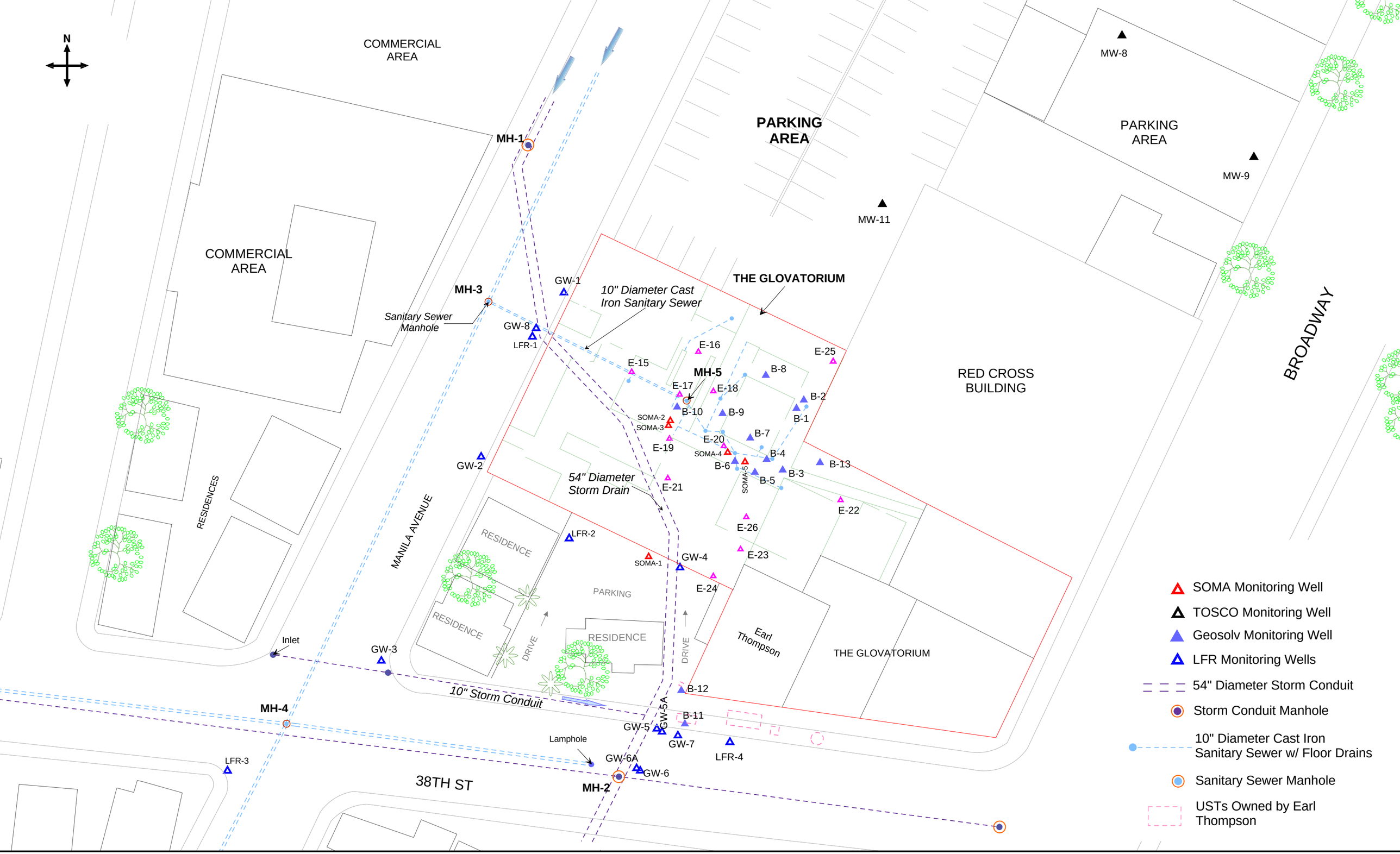


Figure 2: Map showing the approximate locations of groundwater monitoring wells.

SOMA ENVIRONMENTAL ENGINEERING, INC.

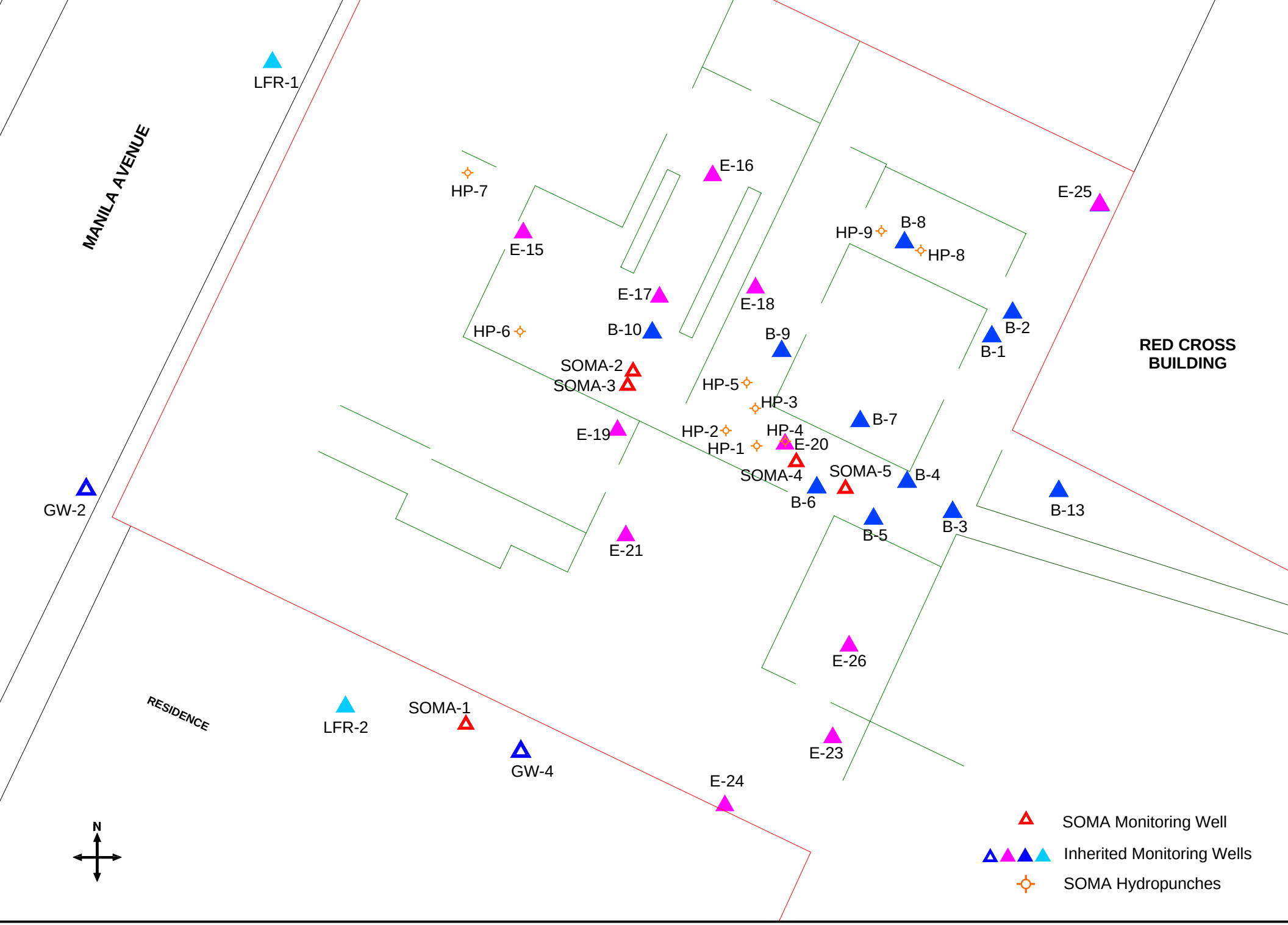


Figure 2a: Map showing the approximate locations of SOMA monitoring wells, SOMA hydropunches, and inherited monitoring locations within the former Glovatorium building.

SOMA ENVIRONMENTAL ENGINEERING, INC.

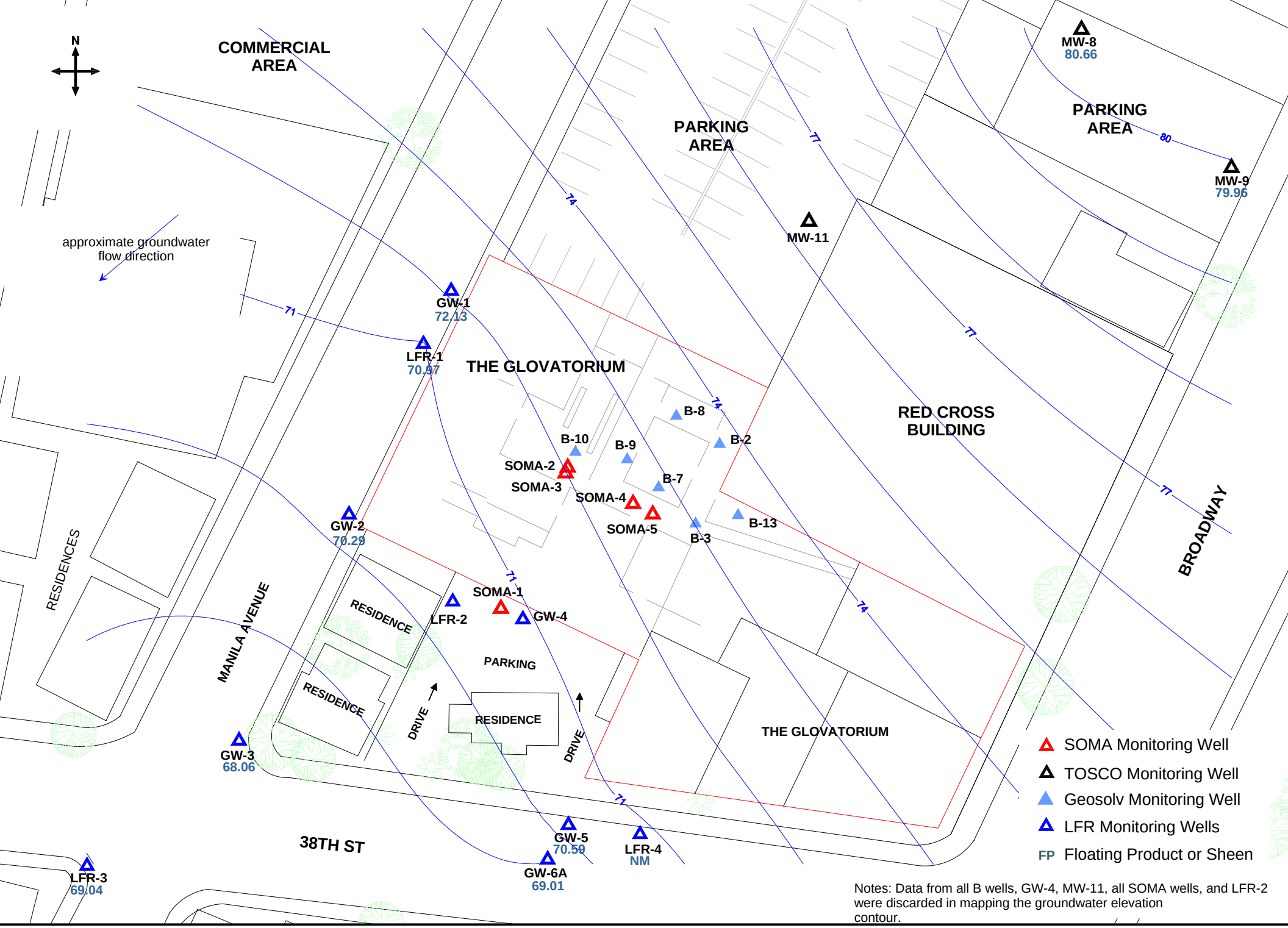
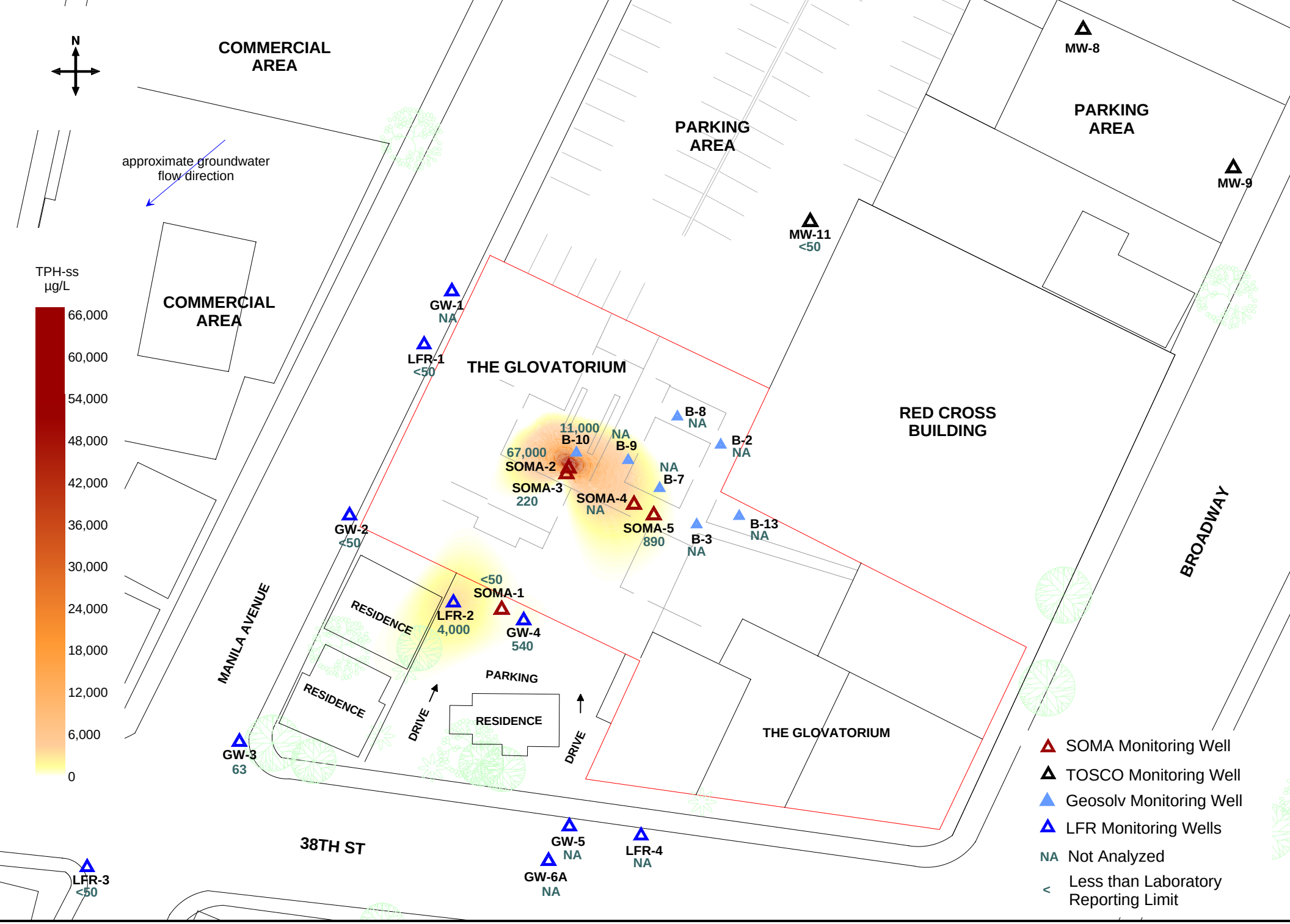


Figure 3: Groundwater elevation contour map in feet. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

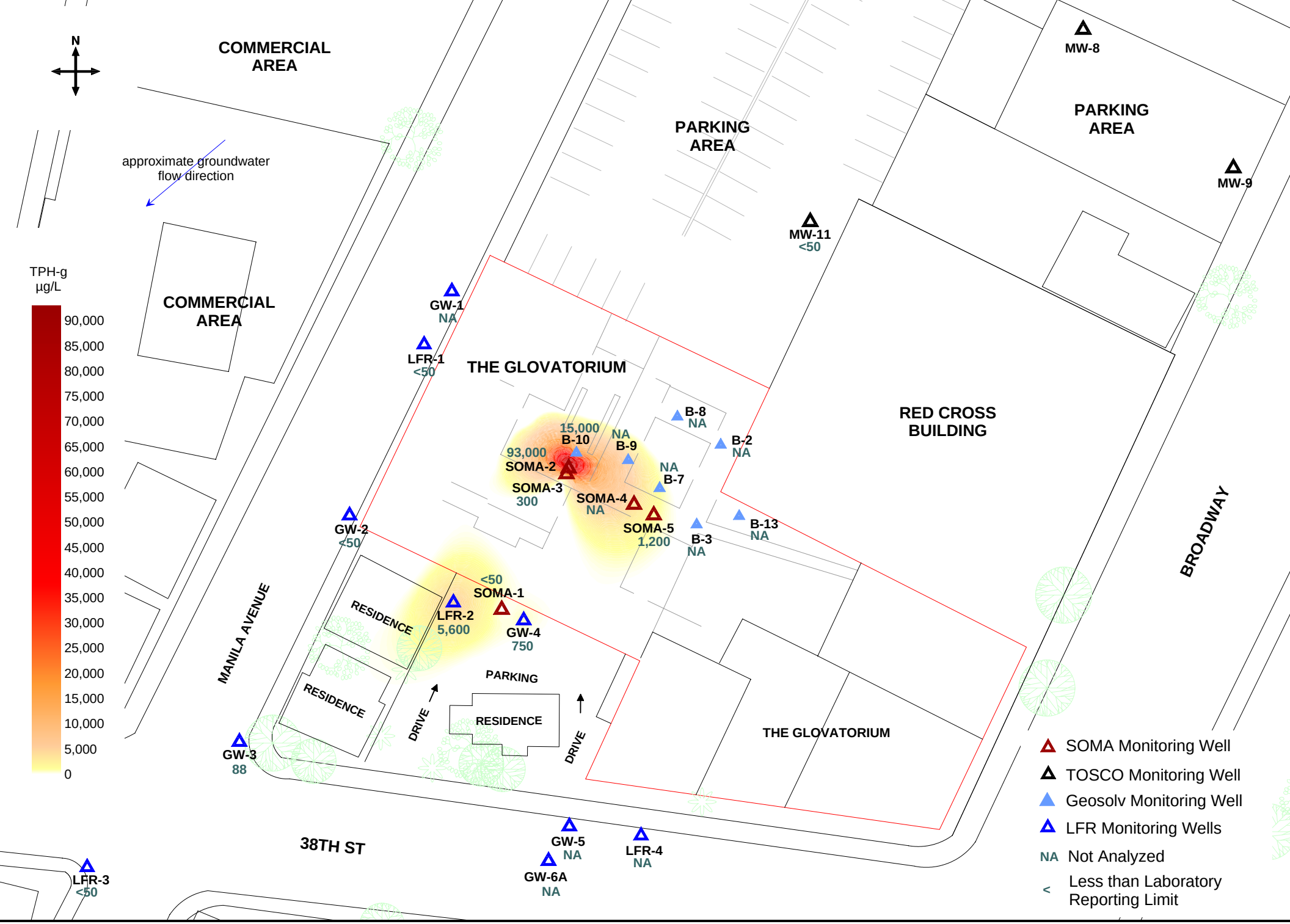


approximate scale in feet

0 50 100

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

ENVIRONMENTAL ENGINEERING, INC.

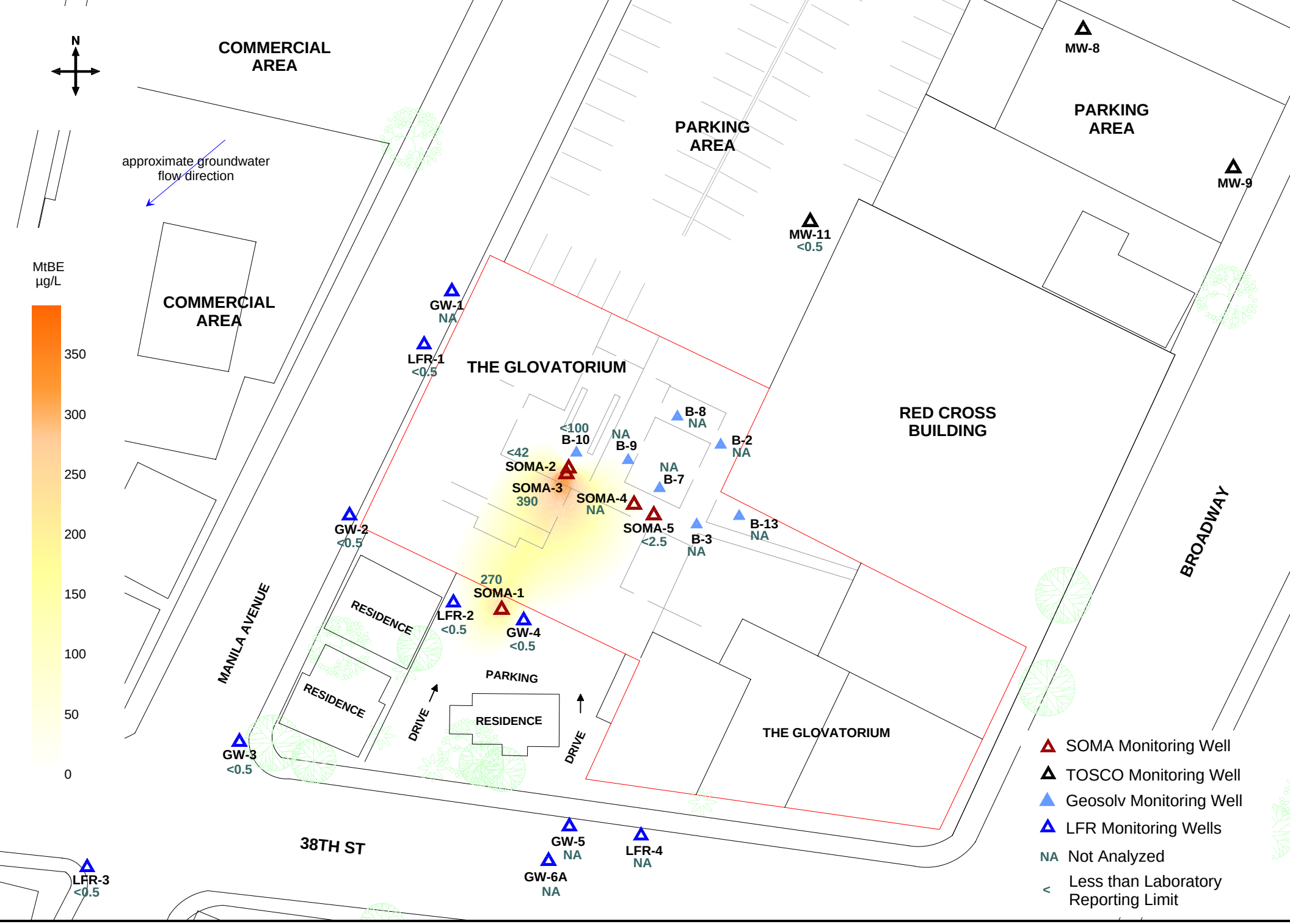


approximate scale in feet

0 50 100

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

ENVIRONMENTAL ENGINEERING, INC.

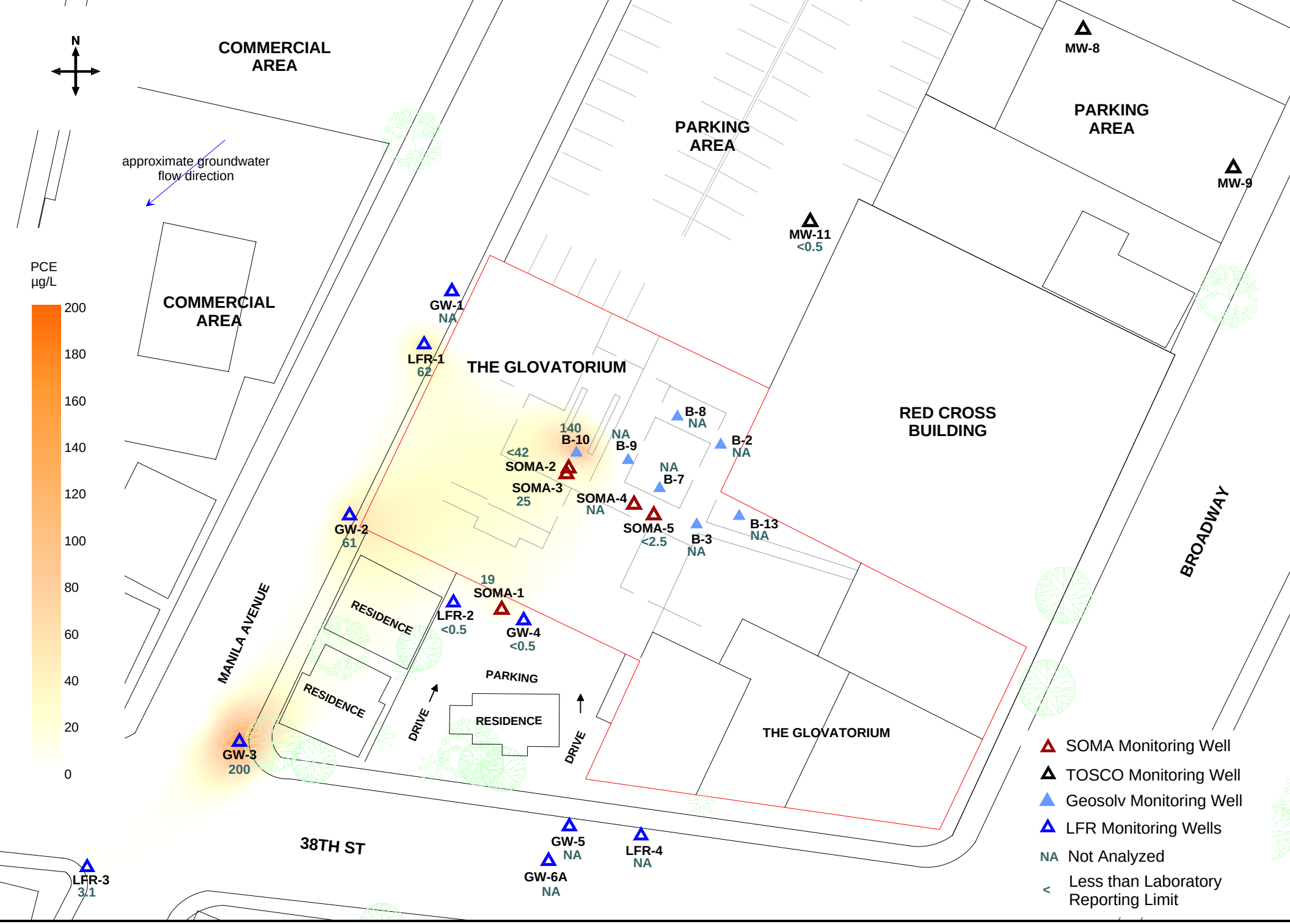


approximate scale in feet

0 50 100

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

ENVIRONMENTAL ENGINEERING, INC.



approximate scale in feet

0 50 100

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

ENVIRONMENTAL ENGINEERING, INC.

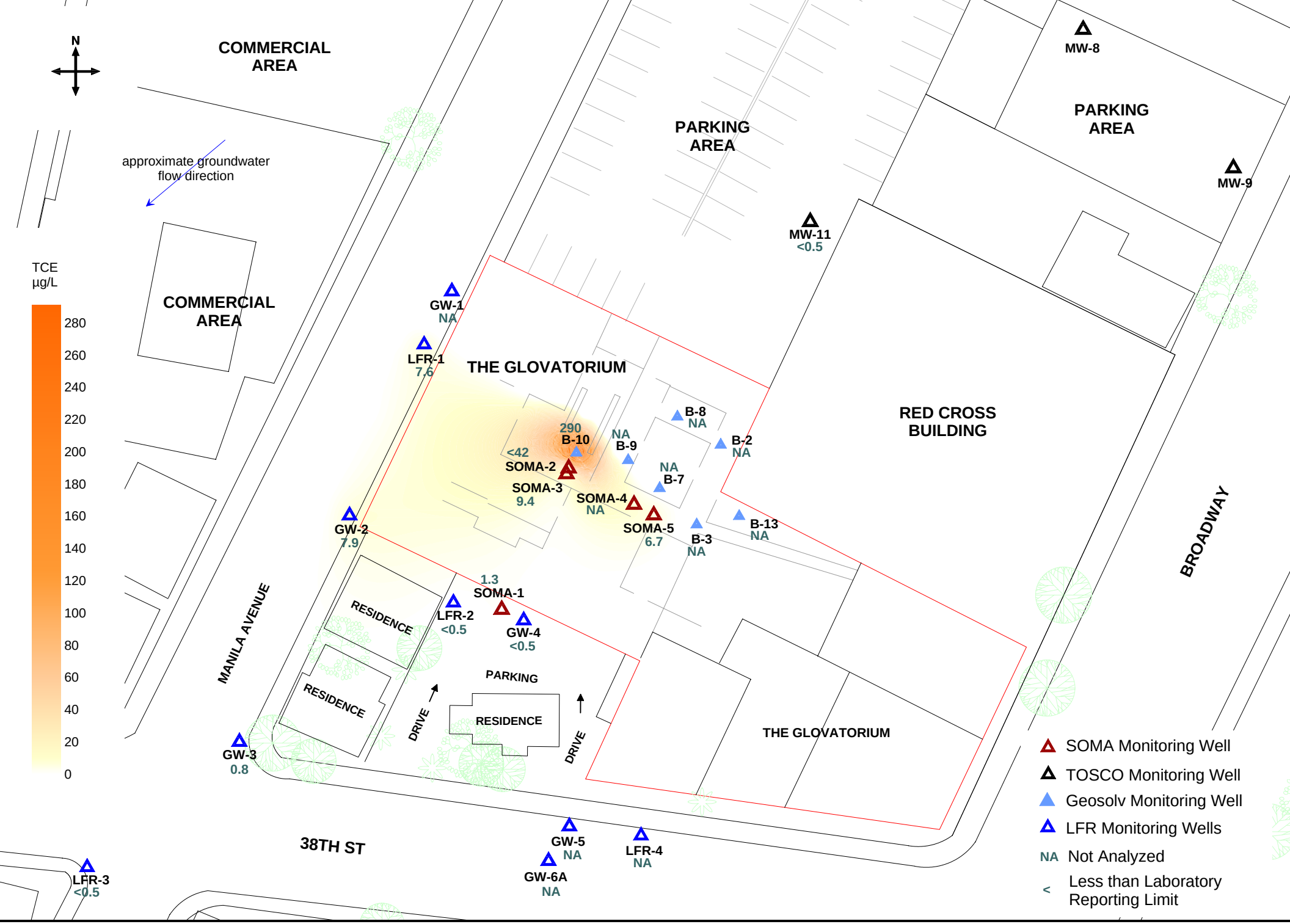


Figure 8: Contour map of TCE concentrations in groundwater. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

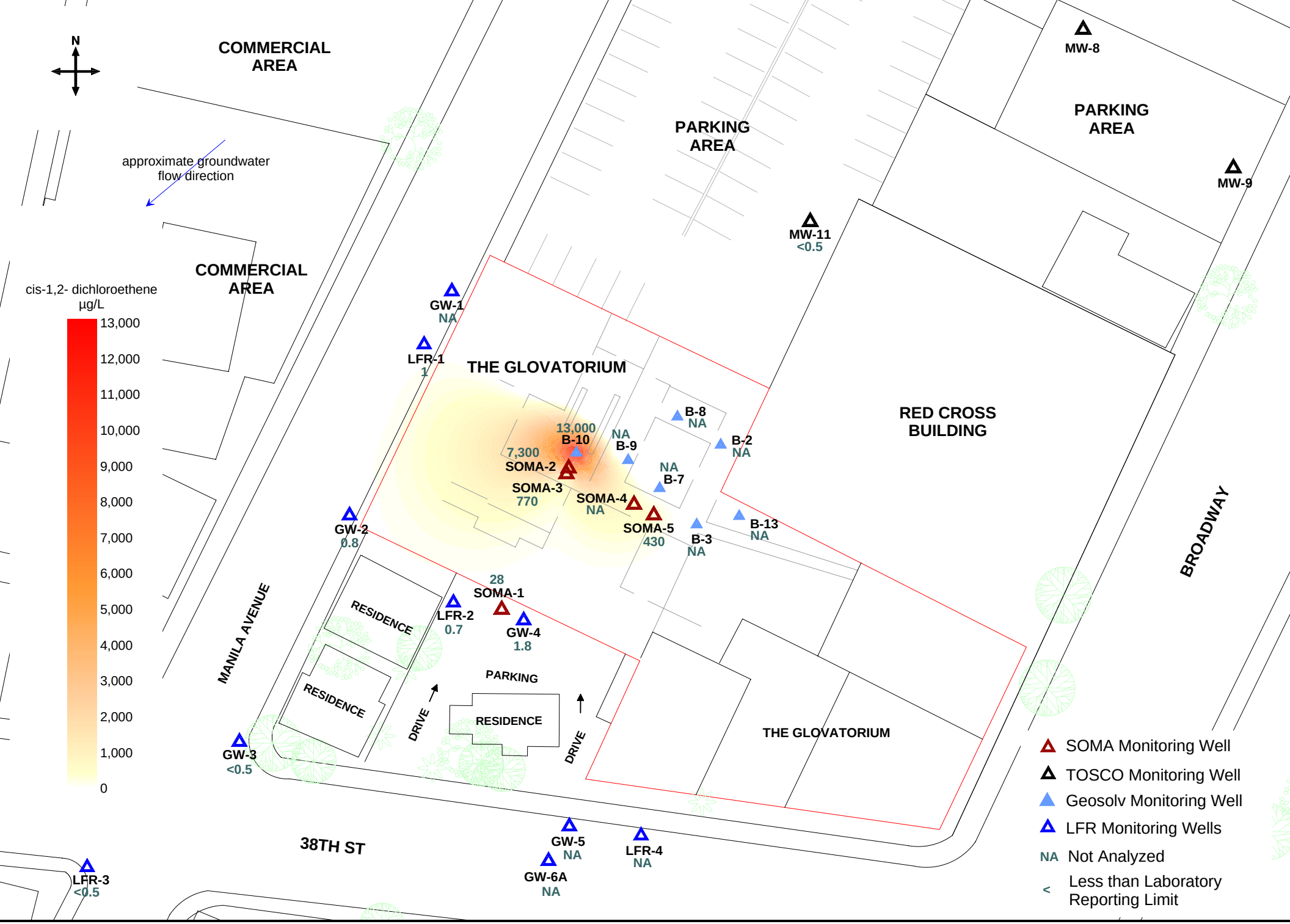


Figure 9: Contour map of cis-1,2-dichloroethene concentrations in groundwater. January 2006.

SOMA ENVIRONMENTAL ENGINEERING, INC.

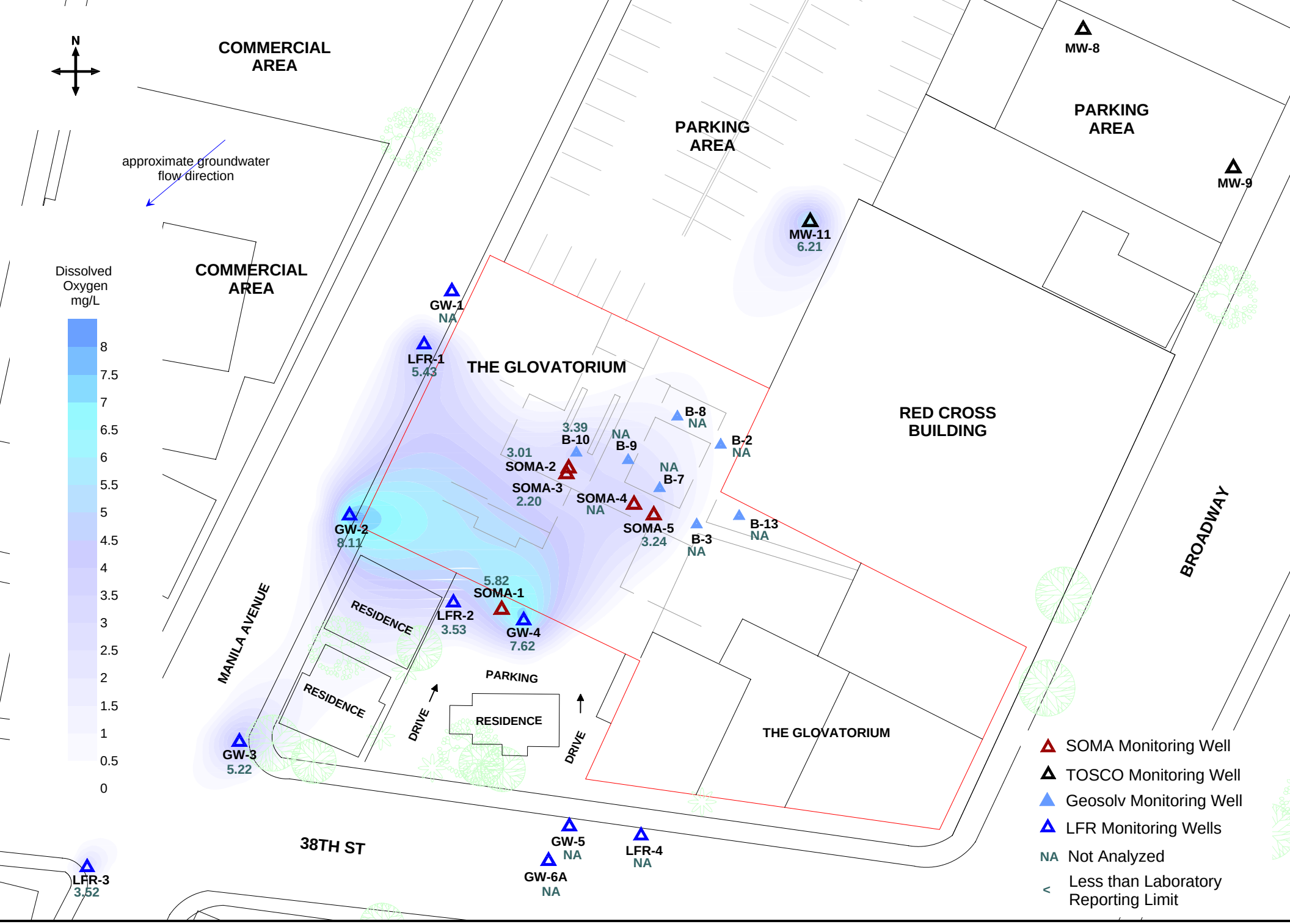


Figure 10: Contour map of dissolved oxygen concentrations in groundwater. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

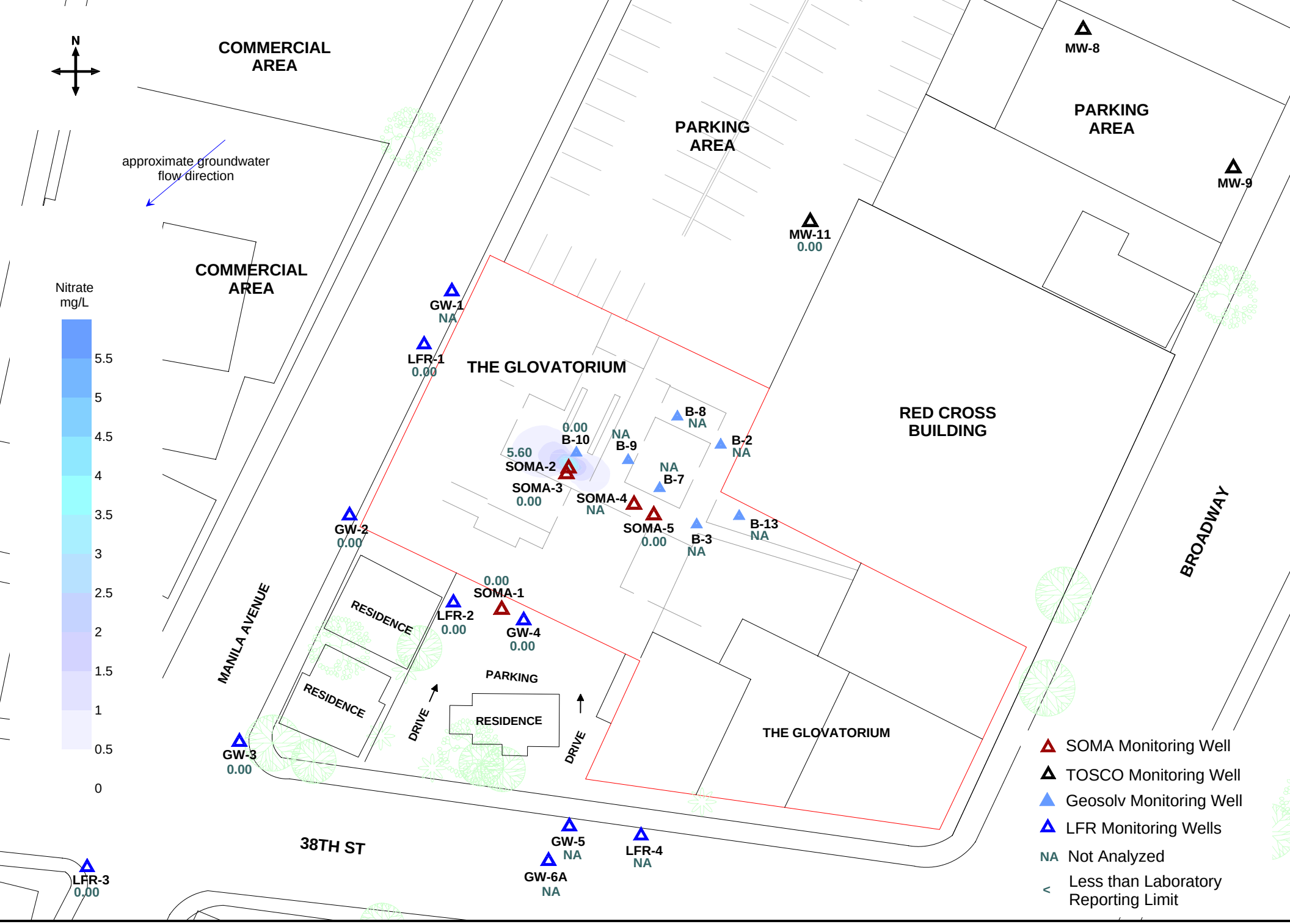


Figure 11: Contour map of nitrate concentrations in groundwater. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

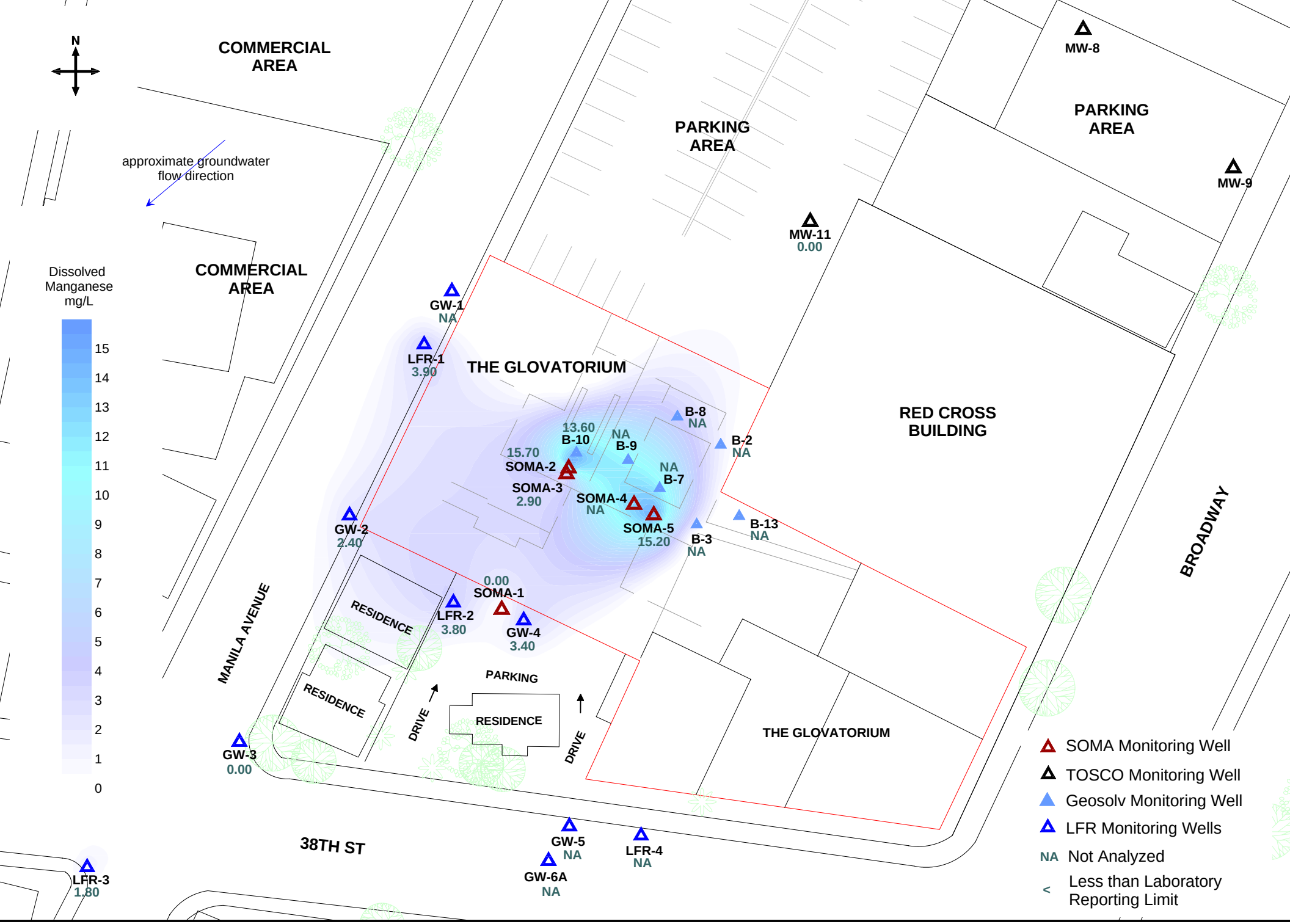


Figure 12: Contour map of dissolved manganese concentrations in groundwater. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

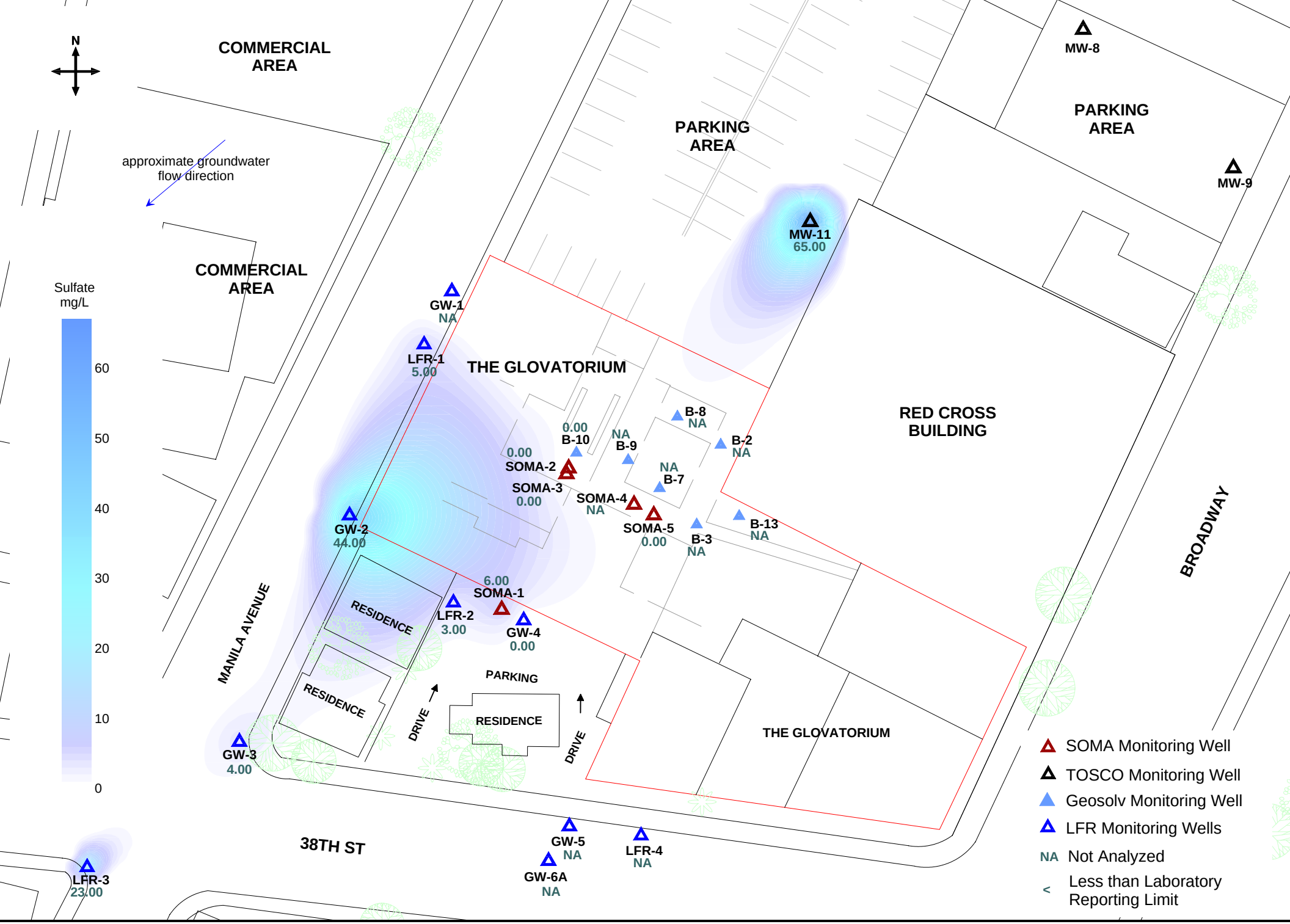


Figure 13: Contour map of sulfate concentrations in groundwater. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

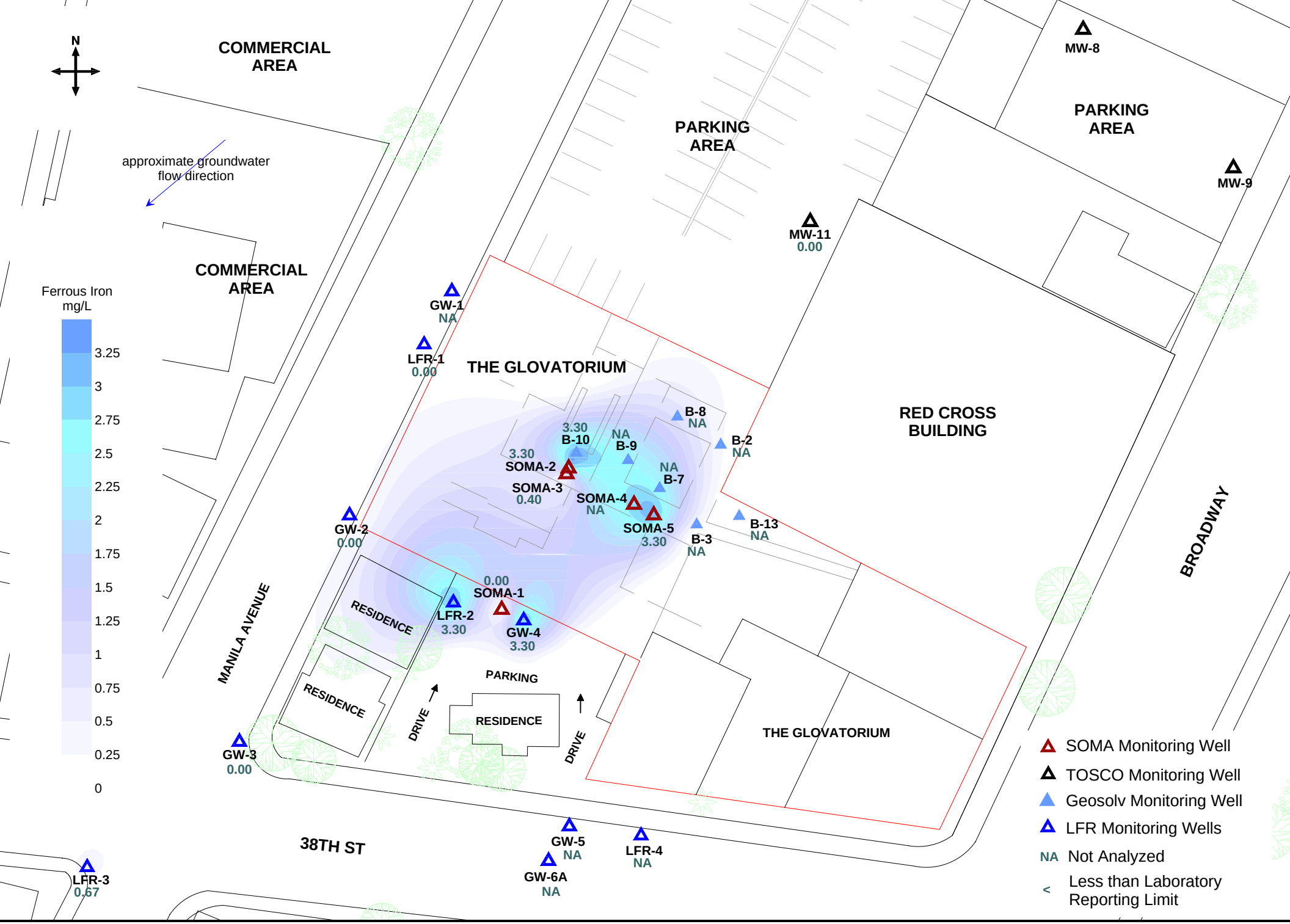


Figure 14: Contour map of ferrous iron concentrations in groundwater. January 2006.

ENVIRONMENTAL ENGINEERING, INC.

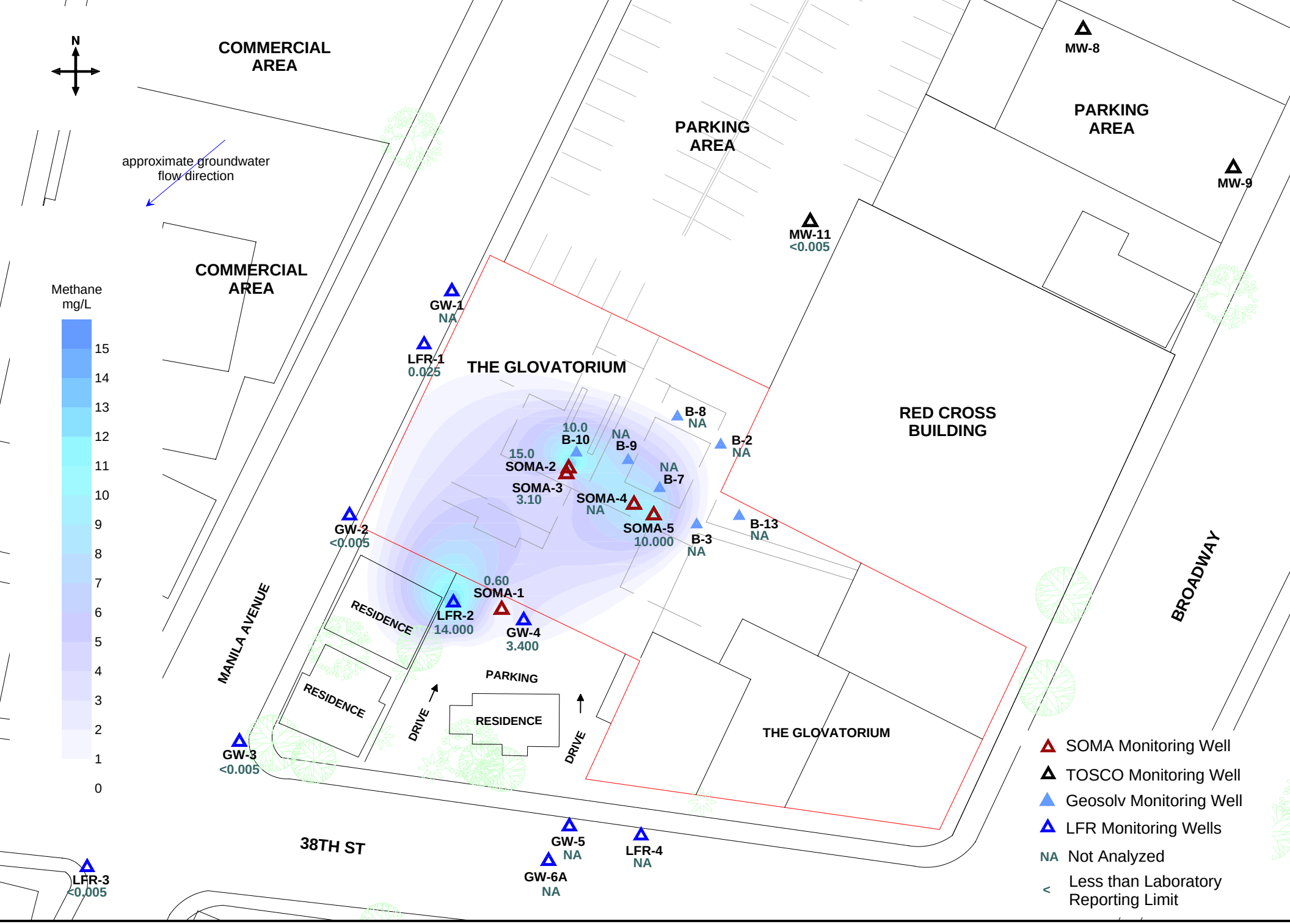
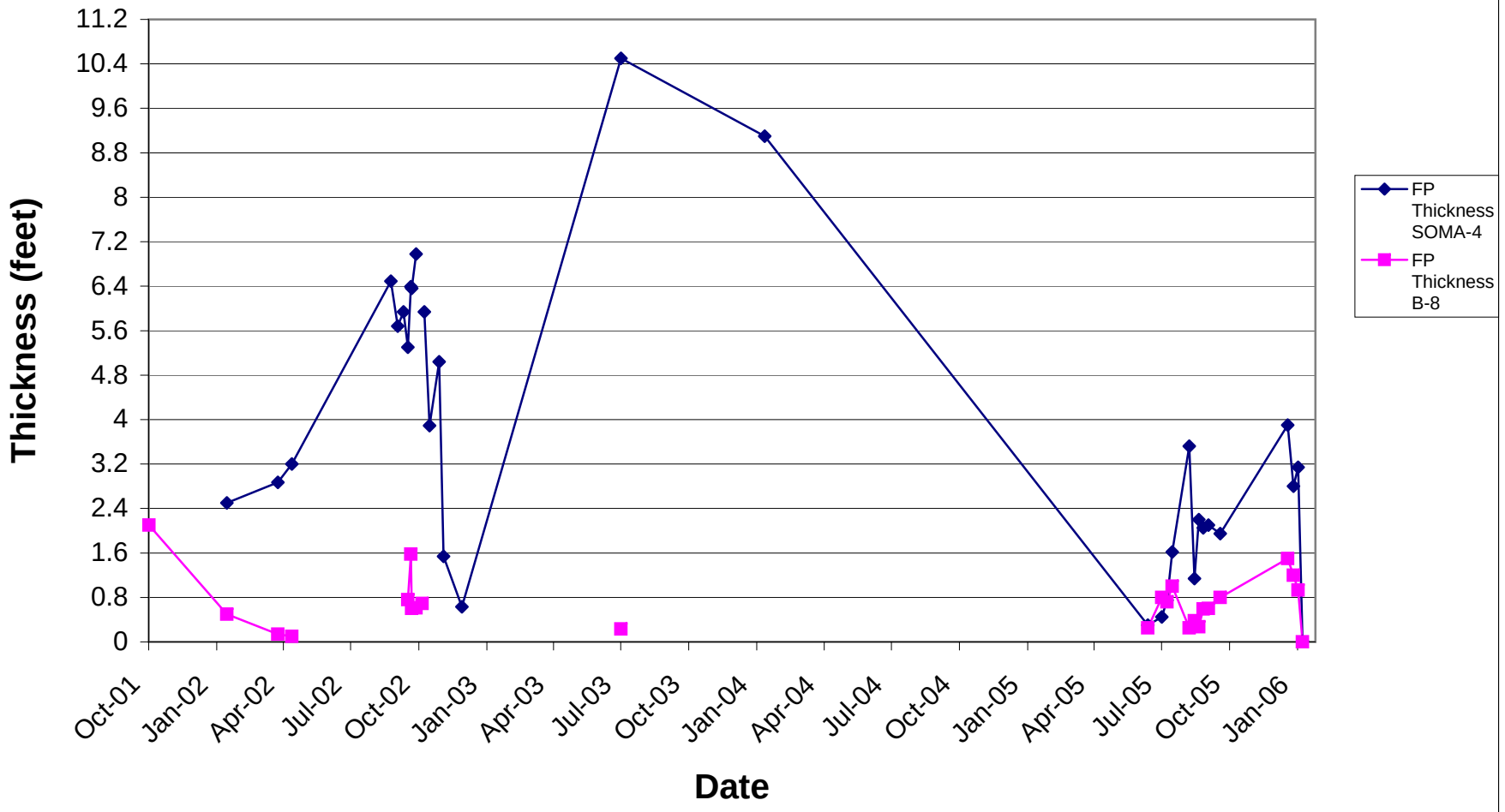


Figure 15: Contour map of methane concentrations in groundwater. January 2006.

SOMA ENVIRONMENTAL ENGINEERING, INC.

Figure 16
Free Product Thickness
Former Glovatorium Site
3815 Broadway, Oakland, California



APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

Field activities were conducted on January 5, 6, and 9, 2006. During this event, 12 monitoring wells were sampled. Depths to groundwater were measured in 22 groundwater monitoring wells and temporary sampling points. Due to the presence of floating product in SOMA-4, this well was not sampled. Temporary borehole B-13 could not be properly gauged, due to the dry condition observed at this location. A car was parked over well LFR-4, making this well inaccessible. 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 January 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 ¾" 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 NitriVer 3 Nitrite Reagent to form an intermediate diazonium salt. The salt couples with chromotropic acid to produce a pink colored complex. The intensity of the color is proportional to the nitrite concentration in the sample.

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

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

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

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

After purging, a disposable polyethylene bailer was used to collect sufficient samples from each monitoring well for laboratory analyses. The groundwater samples from the smaller diameter ¾" temporary wells were collected using the GeoTech pump. A ¼" 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, and Methane. TPH-g and TPH-ss were prepared using EPA Method 5030B and measured using EPA Method 8015B. Purgeable Organics, which included BTEX and MtBE were prepared using EPA Method 5030B and analyzed using EPA Method 8260B. Methane was analyzed using RSK-175.

APPENDIX B

Field Notes, Field Measured Physical and Chemical Parameter Values

ENVIRONMENTAL ENGINEERING, INC

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: 6.59 feet
Groundwater Elevation: 74.91 feet
Water Column Height: 11.31 feet
Purged Volume: 1000 mL ~~gallons~~ mL

Project #: 2511
Address: 3815 Broadway
Oakland, California
Date: January 9th 2006
Sampler: John Lohman
Mehran Nowroozi

Purging Method:	Bailer ☐		Pump ■		
Sampling Method:	Bailer ■		Pump ☐		
Color:	No ☐		Yes ☒	**Describe:**	muddy
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)
12:10 PM	START PURGE						
12:13PM	300mL	6.81	16.52	9.30	1670	999	81
12:16PM	600mL	6.70	16.42	7.21	1430	999	70
12:19PM	1000mL	6.68	16.48	3.39	1410	999	10
12:22PM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
12:22PM	3.30	3.30	0	0	0	13.6

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name: GW2
Casing Diameter: 3/4 inch
Depth of Well: 20 feet
Top of Casing Elevation: 79.14 feet
Depth to Groundwater: 8.35 feet
Groundwater Elevation: 70.79 feet
Water Column Height: 11.15 feet
Purged Volume: 1000 ~~gallons~~ ml

Project #: 2511
Address: 3815 Broadway
Oakland, California
Date: January 6, 2006
Sampler: John Lohman
Mehran Nowroozi

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~~ ml)	pH	Temp (°C)	D.O (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
1:05 PM	START PURGE						
1:07 PM	200	7.01	18.2	11.16	460	417	110
1:10 PM	600	6.92	17.91	10.81	670	320	92
1:13 PM	1L	6.86	17.89	9.11	510	6.28	86
1:14 PM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
1:15 PM	0	0	0	0	44	2.4

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name: GW 3
Casing Diameter: 3/4 inch
Depth of Well: 20 feet
Top of Casing Elevation: 77.92 feet
Depth to Groundwater: 9.86 feet
Groundwater Elevation: 68.06 feet
Water Column Height: 10.14 feet
Purged Volume: 1000 ~~gallons~~ ml

Project #: 2511
Address: 3815 Broadway
Oakland, California
Date: January 6, 2006
Sampler: John Lohman
Mehran Nowroozi

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)
11:08 AM	START PURGE						
11:10 AM	300 ml	6.98	18.80	9.72	512	302	75
11:12 AM	700 ml	6.90	18.76	7.81	480	162	63
11:14 AM	1000 ml	6.89	18.75	5.22	471	118	61
11:18 AM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
11:18 AM	0	0	0	0	4	0

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	GW4	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	12 feet		Oakland, California
Top of Casing Elevation:	82.37 feet	**Date:**	January 5 ~~8~~, 2006
Depth to Groundwater:	7.29 feet	**Sampler:**	John Lohman
Groundwater Elevation:	75.08 feet		Mehran Nowroozi
Water Column Height:	4.71 feet		
Purged Volume:	400 mL ~~gallons~~		

Purging Method:	Bailer ☐	Pump ■		
Sampling Method:	Bailer ■	Pump ☐		
Color:	No ☒	Yes ☐	**Describe:**	
Sheen:	No ☒	Yes ☐	**Describe:**	
Odor:	No ☒	Yes ☐	**Describe:**	

Field Measurements:

Time	Volume (~~gallons~~)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
2:35	START PURGE						
2:38	200mL	7.51	16.09	8.71	670	700	131
2:41	400mL	6.72	17.96	7.62	610	810	110
2:44	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
2:44	3.30	3.30	0	0	0	3.4

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	MW 11	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19.00 feet		Oakland, California
Top of Casing Elevation:	84.13 feet	**Date:**	January 5 ~~8~~, 2006
Depth to Groundwater:	12.62 feet	**Sampler:**	John Lohman
Groundwater Elevation:	71.51 feet		Mehran Nowroozi
Water Column Height:	6.38 feet		
Purged Volume:	3 gallons		

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

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
11:49AM	START PURGE						
11:50 AM	1	6.60	20.21	8.44	867	641.1	165
11:52 AM	3	6.39	20.61	6.21	817	333.2	166
11:53 AM	DRY @ 3.5						
11:55AM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
11:55AM	6	0	0	0	65	0

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	LFR1	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	19 feet		Oakland, California
Top of Casing Elevation:	79.97 feet	**Date:**	January 6, 2006
Depth to Groundwater:	9 feet	**Sampler:**	John Lohman
Groundwater Elevation:	70.97 feet		Mehran Nowroozi
Water Column Height:	10 feet		
Purged Volume:	9 gallons		

Purging Method:	**Bailer** ☐		**Pump** ■		
Sampling Method:	**Bailer** ■		**Pump** ☐		
Color:	**No** ☒		**Yes** ☐	**Describe:**	
Sheen:	**No** ☒		**Yes** ☐	**Describe:**	
Odor:	**No** ☒		**Yes** ☐	**Describe:**	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)	
12:10Pm	START PURGE							
12:13Pm	3	6.52	18.08	6.0	446	0	157	
12:17Pm	8	6.31	19.06	5.43	1260	128	161	dry @ 9
12:20 Pm	SAMPLE							

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
15:40	0	.03	0	0	5	39

Notes:

ENVIRONMENTAL ENGINEERING, INC

LFR-2

Well Name: _____

Casing Diameter: 2 inch

Depth of Well: 19 feet

Top of Casing Elevation: 61.89 feet

Depth to Groundwater: 7.33 feet

Groundwater Elevation: 74.56 feet

Water Column Height: 1.67 feet

Purged Volume: 8 gallons

Project #: 2511

Address: 3815 Broadway
Oakland, California

Date: January 5, 2006

Sampler: John Lohman
Mehran Nowroozi

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)
1:48 PM	START PURGE						
1:49 PM	1	6.59	18.30	5.45	657	272	-11
1:50 PM	2	6.59	17.73	5.15	439	185	-2
1:52 PM	4	6.49	17.82	4.09	482	144	2
1:54 PM	6	6.55	18.05	3.45	619	151	-15
1:56 PM	8	6.58	18.23	3.53	721	108	-29
1:58 PM	SAMPLES						

DEY

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
1:58	3.30	3.30	0	0	3	3.8

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name: LFR3
Casing Diameter: 2 inch
Depth of Well: 22.0 feet
Top of Casing Elevation: 77.96 feet
Depth to Groundwater: 8.92 feet
Groundwater Elevation: 69.04 feet
Water Column Height: 13.08 feet
Purged Volume: 12 gallons

Project #: 2511
Address: 3815 Broadway
Oakland, California
Date: January 6, 2006
Sampler: John Lohman
Mehran Nowroozi

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)
10:16AM	START PURGE						
10:19AM	3	6.39	19.98	4.32	340	166	150
10:21AM	7	6.31	20.36	4.03	404	771	150
10:24AM	10	6.24	20.41	3.76	429	999	150
10:26PM	12	6.27	20.42	3.52	461	999	151
10:28AM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
10:28	0.67	2.16	0	.001	23	1.8

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SCMA 1	**Project #:**	2511
Casing Diameter:	4 inch	**Address:**	3815 Broadway
Depth of Well:	40.0 feet		Oakland, California
Top of Casing Elevation:	81.64 feet	**Date:**	January 5 ~~X~~, 2006
Depth to Groundwater:	11.53 feet	**Sampler:**	John Lohman
Groundwater Elevation:	70.11 feet		Mehran Nowroozi
Water Column Height:	28.47 feet		
Purged Volume:	24 gallons		

Purging Method:	**Bailer** ☐		**Pump** ■		
Sampling Method:	**Bailer** ■		**Pump** ☐		
Color:	**No** ☒		**Yes** ☐	**Describe:**	
Sheen:	**No** ☒		**Yes** ☐	**Describe:**	
Odor:	**No** ☒		**Yes** ☐	**Describe:**	

Field Measurements:

Time	Volume (gallons)	pH	Temp (°C)	D.O. (mg/L)	E.C. (µs/cm)	Turbidity (NTU)	ORP (mV)
12:40	START PUR GE						
12:43	4	6.47	18.01	3.95	920	0	163
12:46	8	6.51	17.96	3.74	915	0	162
12:52	16	6.54	17.95	4.52	920	0	160
12:58	24	6.54	18.02	5.82	926	0	156
1:05 PM	Sampled						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
1:05 PM	0	0	0	0	6	0

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SOMA-2	**Project #:**	2511
Casing Diameter:	2 inch	**Address:**	3815 Broadway
Depth of Well:	20 feet		Oakland, California
Top of Casing Elevation:	81.39 feet	**Date:**	January ~~5 6~~ 9 11, 2006
Depth to Groundwater:	6.79 feet	**Sampler:**	John Lohman
Groundwater Elevation:	74.60 feet		Mehran Nowroozi
Water Column Height:	13.21 feet		
Purged Volume:	12 gallons		

Purging Method:	**Bailer** ☐	**Pump** ■			
Sampling Method:	**Bailer** ■	**Pump** ☐			
Color:	**No** ☒	**Yes** ☐	**Describe:**		
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)
11:20 AM	START PURGE						
11:24 AM	4	7.0C	16.20	6.66	950	798	83
11:28 AM	8	6.94	16.21	3.74	963	512	-8
11:32 AM	12	6.92	16.30	3.01	982	720	-60
11:35 AM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
11:35 AM	3.30	3.30	5.6	0.001	0	15.7

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name: SOMA3
Casing Diameter: 3/4 inch
Depth of Well: 30 feet
Top of Casing Elevation: 81.42 feet
Depth to Groundwater: 9.43 feet
Groundwater Elevation: 71.99 feet
Water Column Height: 20.57 feet
Purged Volume: 1000 ~~gallons~~ mL

Project #: 2511
Address: 3815 Broadway
Oakland, California
Date: January 6, 2006
Sampler: John Lohman
Mehran Nowroozi

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)
1:50 pm	Start Purging						
1:52 pm	2	6.81	17.80	10.1	967	600	152
1:54 pm	4	6.73	16.91	8.7	981	721	110
1:56 pm	7	6.42	16.90	4.3	1210	632	92
1:58 pm	10	6.38	16.84	2.2	1120	820	86
2:05 PM	SAMPLES						

Time	Ferrous Iron (mg/L)	Total Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Dissolved Manganese (mg/L)
2:05pm	.40	.49	C	C	C	2.9

Notes:

ENVIRONMENTAL ENGINEERING, INC

Well Name:	SCMA-5	**Project #:**	2511
Casing Diameter:	3/4 inch	**Address:**	3815 Broadway
Depth of Well:	26 feet		Oakland, California
Top of Casing Elevation:	41.50 feet	**Date:**	January ~~26~~ 9th, 2006
Depth to Groundwater:	4.72 feet	**Sampler:**	John Lohman
Groundwater Elevation:	36.78 feet		Mehran Nowroozi
Water Column Height:	21.28 feet		
Purged Volume:	1000 ~~gallons~~ mL		

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	START PURGE						
1:09 PM	300 mL	6.61	16.99	9.81	1400	999	-85
1:13 PM	600 mL	6.74	16.85	7.63	1710	999	-121
1:17 PM	1000 mL	6.78	6.72	3.29	1700	999	-141
1:20 PM	SAMPLES						

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	15.2

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: 19-JAN-06
Lab Job Number: 184196
Project ID: 2511
Location: 3815 Broadway, Oakland

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

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**184196**
Client:	**SOMA Environmental Engineering Inc.**
Project:	**2511**
Location:	**3815 Broadway, Oakland**
Request Date:	**01/06/06**
Samples Received:	**01/06/06**

This hardcopy data package contains sample and QC results for nine water samples, requested for the above referenced project on 01/06/06. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
Response exceeding the instrument's linear range was observed for bromofluorobenzene (FID) in LFR-2 (lab # 184196-006); affected data was qualified with "b". High surrogate recoveries were observed for bromofluorobenzene (FID) in GW-4 (lab # 184196-003), LFR-2 (lab # 184196-006), and SOMA-3 (lab # 184196-009), due to matrix interference; 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):
Many samples were diluted due to high levels of non-target analytes. No other analytical problems were encountered.

CHAIN OF CUSTODY

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

C&T LOGIN # 184196

Sampler: Mehran Nowroozi / John Lohman

Project No: 2511

Project Name: 3815 Broadway, Oakland, CA

Turnaround Time: Standard

Report To: Tony Perini

Company : SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analyses: TPHg (including Stoddard Solvent) 8260B	Analyses: 8260 (Full List)	Analyses: Methane
-1	GW-2	1/6/06 11:50		*		9-40ml VOAs	*			*	*	*	*
-2	GW-3	1/6/06 11:14		*		9-40ml VOAs	*			*	*	*	*
-3	GW-4	1/5/06 2:44		*		9-40ml VOAs	*			*	*	*	*
-4	MW-11	1/5/06 11:55		*		9-40ml VOAs	*			*	*	*	*
-5	LFR-1	1/6/06 12:20		*		9-40ml VOAs	*			*	*	*	*
-6	LFR-2	1/5/06 1:56		*		9-40ml VOAs	*			*	*	*	*
-7	LFR-3	1/6/06 10:28		*		9-40ml VOAs	*			*	*	*	*
N/A	~~[illegible]~~			*		~~9-40ml VOAs~~					*		
-8	SOMA-1	1/5/06 1:05		*		9-40ml VOAs	*			*	*	*	*
N/A	~~SOMA-2~~			*		~~9-40ml VOAs~~					*		
-9	SOMA-3	1/6/06 2:05		*		9-40ml VOAs	*			*	*	*	*
N/A	~~SOMA-4~~			*		~~9-40ml VOAs~~					*		
N/A	~~B-10~~			*		~~9-40ml VOAs~~					*		

Notes:

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

Received: ☑ Cold ☐ Ambient ☑ On Ice ☐ Intact

RELINQUISHED BY:

[signature] 3:30 pm 1/6/06 DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

[signature] 1/6/06 3:30 DATE/TIME

DATE/TIME

DATE/TIME

Jan 04 06 05:42p

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	109320
Units:	ug/L	Received:	01/06/06
Diln Fac:	1.000	Analyzed:	01/08/06

Field ID: GW-2 Lab ID: 184196-001
Type: SAMPLE Sampled: 01/06/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	133	78-134

Field ID: GW-3 Lab ID: 184196-002
Type: SAMPLE Sampled: 01/06/06

Analyte	Result	RL
Gasoline C7-C12	88 Y Z	50
Stoddard Solvent C7-C12	63 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	62-141
Bromofluorobenzene (FID)	125	78-134

Field ID: GW-4 Lab ID: 184196-003
Type: SAMPLE Sampled: 01/05/06

Analyte	Result	RL
Gasoline C7-C12	750 H Y	50
Stoddard Solvent C7-C12	540	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-141
Bromofluorobenzene (FID)	204 *	78-134

Field ID: MW-11 Lab ID: 184196-004
Type: SAMPLE Sampled: 01/05/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	62-141
Bromofluorobenzene (FID)	131	78-134

*= 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
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	109320
Units:	ug/L	Received:	01/06/06
Diln Fac:	1.000	Analyzed:	01/08/06

Field ID: LFR-1 Lab ID: 184196-005
Type: SAMPLE Sampled: 01/06/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-141
Bromofluorobenzene (FID)	132	78-134

Field ID: LFR-2 Lab ID: 184196-006
Type: SAMPLE Sampled: 01/05/06

Analyte	Result	RL
Gasoline C7-C12	5,600 H Y	50
Stoddard Solvent C7-C12	4,000	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	62-141
Bromofluorobenzene (FID)	473 * >LR b	78-134

Field ID: LFR-3 Lab ID: 184196-007
Type: SAMPLE Sampled: 01/06/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	62-141
Bromofluorobenzene (FID)	130	78-134

Field ID: SOMA-1 Lab ID: 184196-008
Type: SAMPLE Sampled: 01/05/06

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

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-141
Bromofluorobenzene (FID)	130	78-134

*= 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
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	109320
Units:	ug/L	Received:	01/06/06
Diln Fac:	1.000	Analyzed:	01/08/06

Field ID:	SOMA-3	Lab ID:	184196-009
Type:	SAMPLE	Sampled:	01/06/06

Analyte	Result	RL
Gasoline C7-C12	300 H Y	50
Stoddard Solvent C7-C12	220	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	62-141
Bromofluorobenzene (FID)	143 *	78-134

Type:	BLANK	Lab ID:	QC323448

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

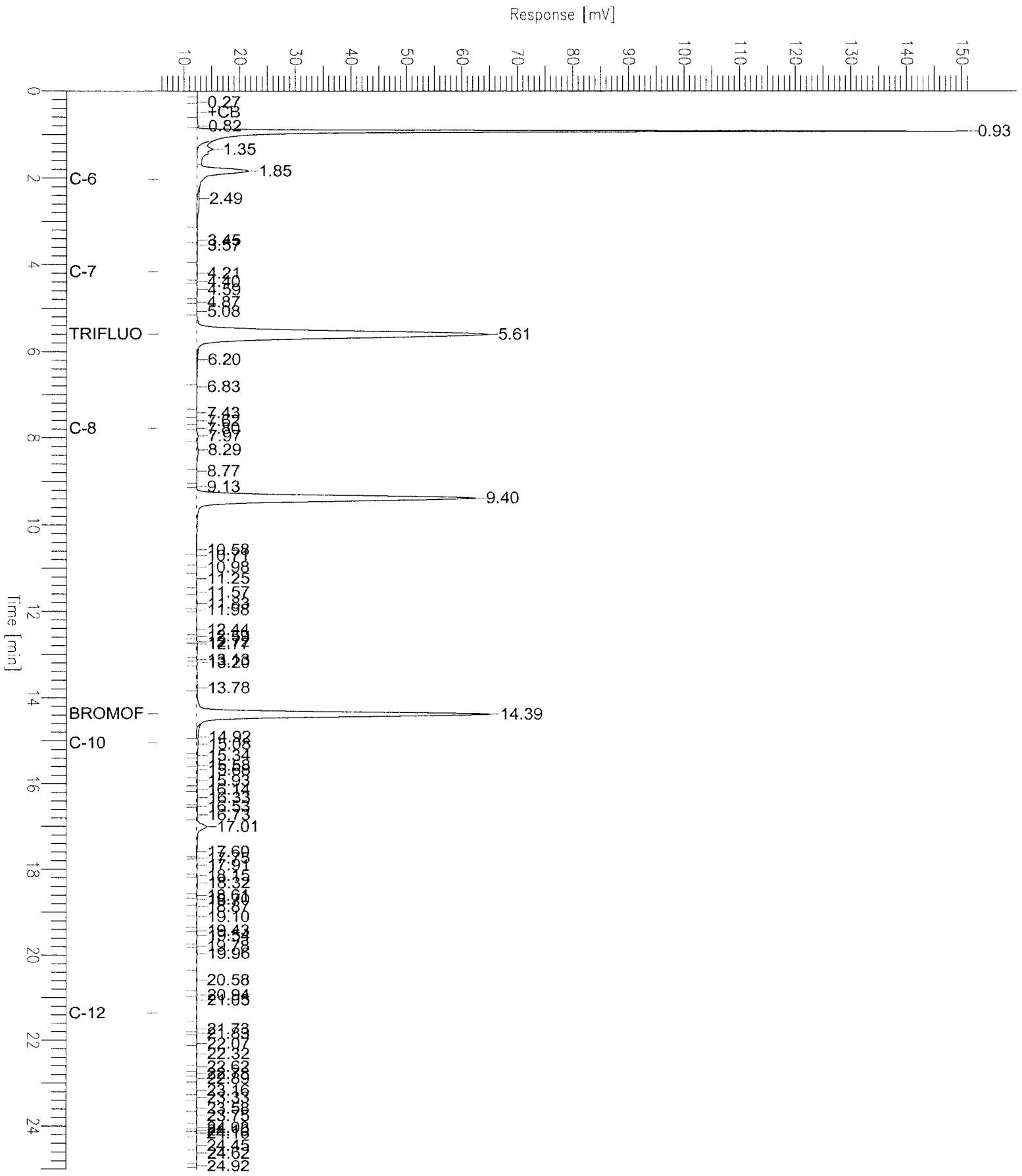
Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	62-141
Bromofluorobenzene (FID)	123	78-134

*= 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
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Chromatogram

Sample Name : 184196-002,109320,tvh+stodd
FileName : G:\GC05\DATA\008G006.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 5 mV

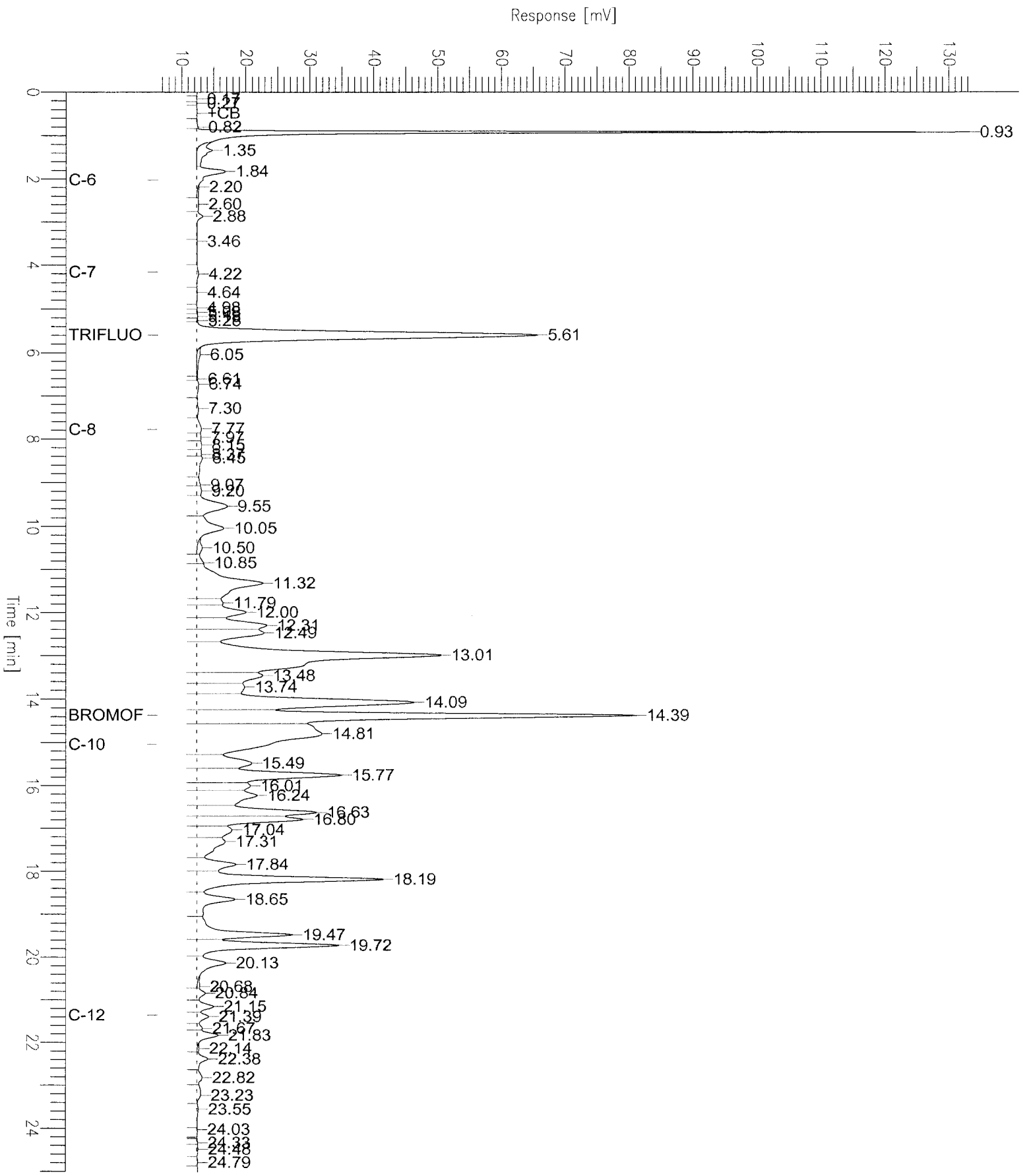
Sample #: b1.3 Page 1 of 1
Date : 1/8/06 01:55 PM
Time of Injection: 1/8/06 01:30 PM
Low Point : 5.34 mV High Point : 151.11 mV
Plot Scale: 145.8 mV



Chromatogram

Sample Name : 184196-003,109320,tvh+stodd
FileName : G:\GC05\DATA\008G007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

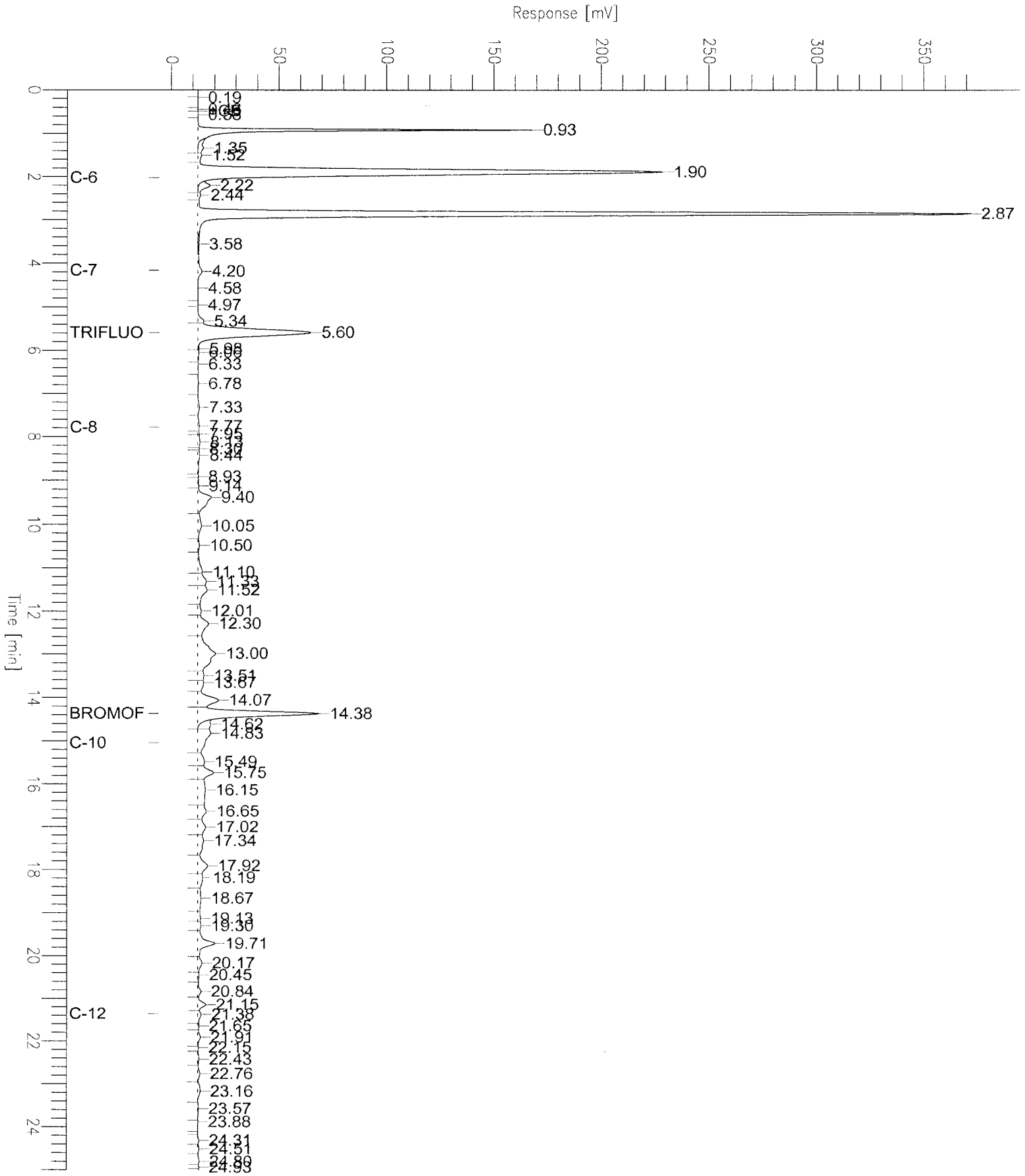
Sample #: b1.3 Page 1 of 1
Date : 1/8/06 02:27 PM
Time of Injection: 1/8/06 02:01 PM
Low Point : 6.26 mV High Point : 133.35 mV
Plot Scale: 127.1 mV



Chromatogram

Sample Name : 184196-009,109320,tvh+stodd
FileName : g:\gc05\data\008g017.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -6 mV

Sample #: b1.3 Page 1 of 1
Date : 1/9/06 07:15 AM
Time of Injection: 1/8/06 07:19 PM
Low Point : -5.75 mV High Point : 372.27 mV
Plot Scale: 378.0 mV

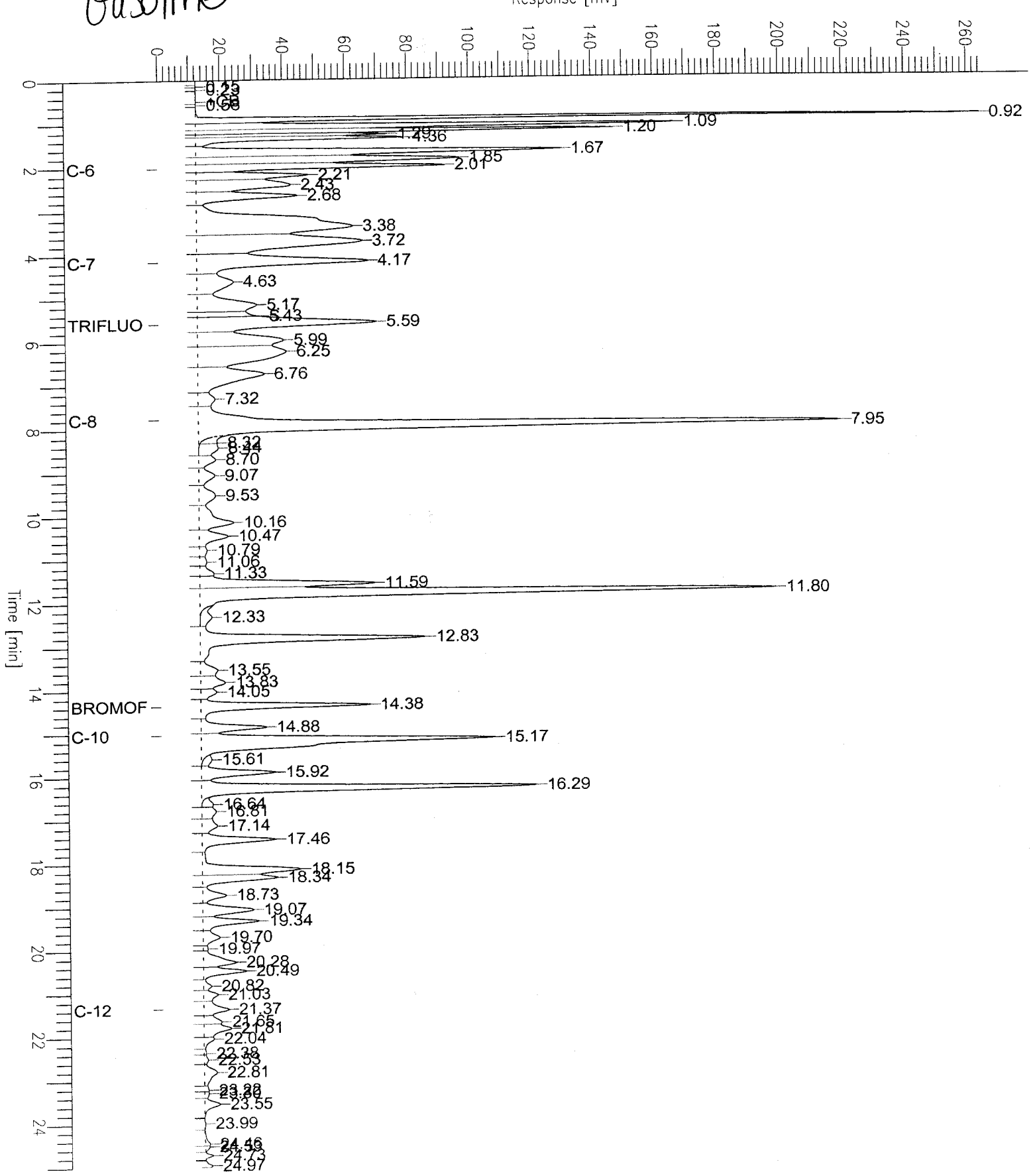


Chromatogram

Sample Name : ccv/lcs,qc323449,109320,S2400,5/5000
FileName : G:\GC05\DATA\008G002.raw
Method : TVHBTXE
Start Time : 0.00 min
End Time : 25.00 min
Scale Factor: 1.0
Plot Offset: -0 mV

Sample #:
Date : 1/9/06 08:02 AM
Time of Injection: 1/8/06 11:23 AM
Low Point : -0.17 mV
High Point : 264.36 mV
Plot Scale: 264.5 mV

Gasoline

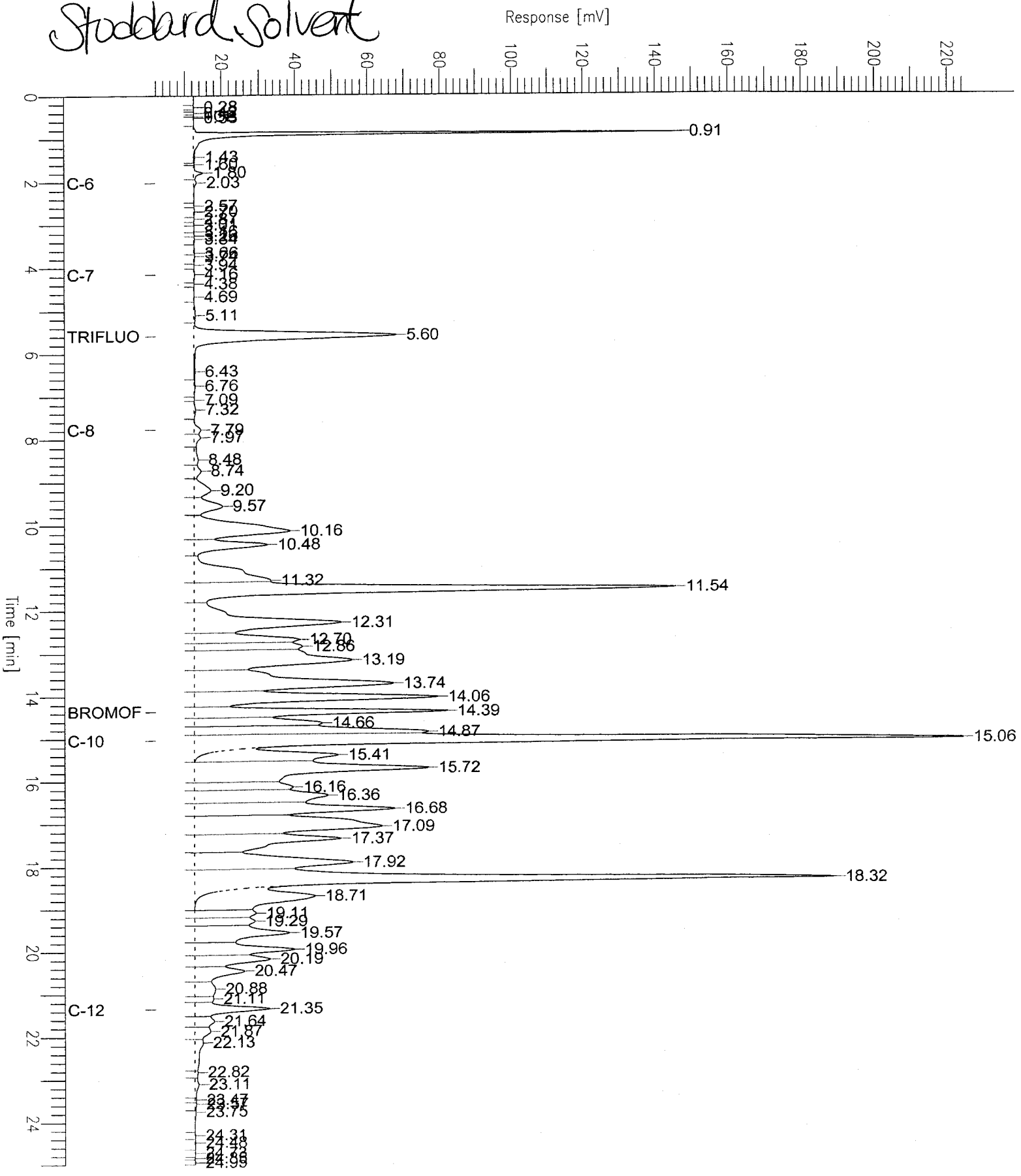


Chromatogram

Sample Name : ccv,stodd,109320,S2169,5/5000
FileName : G:\GC05\DATA\008G003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 2 mV

Sample #: Page 1 of 1
Date : 1/8/06 12:20 PM
Time of Injection: 1/8/06 11:54 AM
Low Point : 1.80 mV High Point : 224.86 mV
Plot Scale: 223.1 mV

Stoddard Solvent



Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323449	Batch#:	109320
Matrix:	Water	Analyzed:	01/08/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,994	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	62-141
Bromofluorobenzene (FID)	132	78-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Field ID:	GW-2	Batch#:	109320
MSS Lab ID:	184196-001	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/08/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323450

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	23.83	2,000	1,905	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	62-141
Bromofluorobenzene (FID)	133	78-134

Type: MSD Lab ID: QC323451

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,868	92	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	62-141
Bromofluorobenzene (FID)	132	78-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-2	Batch#:	109469
Lab ID:	184196-001	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/13/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.8	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	7.9	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	61	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
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-2	Batch#:	109469
Lab ID:	184196-001	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/13/06
Diln Fac:	1.000		

Analyte	Result	RL
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	100	80-121
1,2-Dichloroethane-d4	92	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-3	Units:	ug/L
Lab ID:	184196-002	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	109405	01/11/06
tert-Butyl Alcohol (TBA)	ND	10	1.000	109405	01/11/06
Chloromethane	ND	1.0	1.000	109405	01/11/06
Isopropyl Ether (DIPE)	ND	0.5	1.000	109405	01/11/06
Vinyl Chloride	ND	0.5	1.000	109405	01/11/06
Bromomethane	ND	1.0	1.000	109405	01/11/06
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	109405	01/11/06
Chloroethane	ND	1.0	1.000	109405	01/11/06
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	109405	01/11/06
Trichlorofluoromethane	ND	1.0	1.000	109405	01/11/06
Acetone	ND	10	1.000	109405	01/11/06
Freon 113	ND	5.0	1.000	109405	01/11/06
1,1-Dichloroethene	ND	0.5	1.000	109405	01/11/06
Methylene Chloride	ND	10	1.000	109405	01/11/06
Carbon Disulfide	ND	0.5	1.000	109405	01/11/06
MTBE	ND	0.5	1.000	109405	01/11/06
trans-1,2-Dichloroethene	ND	0.5	1.000	109405	01/11/06
Vinyl Acetate	ND	10	1.000	109405	01/11/06
1,1-Dichloroethane	ND	0.5	1.000	109405	01/11/06
2-Butanone	ND	10	1.000	109405	01/11/06
cis-1,2-Dichloroethene	ND	0.5	1.000	109405	01/11/06
2,2-Dichloropropane	ND	0.5	1.000	109405	01/11/06
Chloroform	ND	0.5	1.000	109405	01/11/06
Bromochloromethane	ND	0.5	1.000	109405	01/11/06
1,1,1-Trichloroethane	ND	0.5	1.000	109405	01/11/06
1,1-Dichloropropene	ND	0.5	1.000	109405	01/11/06
Carbon Tetrachloride	ND	0.5	1.000	109405	01/11/06
1,2-Dichloroethane	ND	0.5	1.000	109405	01/11/06
Benzene	ND	0.5	1.000	109405	01/11/06
Trichloroethene	0.8	0.5	1.000	109405	01/11/06
1,2-Dichloropropane	ND	0.5	1.000	109405	01/11/06
Bromodichloromethane	ND	0.5	1.000	109405	01/11/06
Dibromomethane	ND	0.5	1.000	109405	01/11/06
4-Methyl-2-Pentanone	ND	10	1.000	109405	01/11/06
cis-1,3-Dichloropropene	ND	0.5	1.000	109405	01/11/06
Toluene	ND	0.5	1.000	109405	01/11/06
trans-1,3-Dichloropropene	ND	0.5	1.000	109405	01/11/06
1,1,2-Trichloroethane	ND	0.5	1.000	109405	01/11/06
2-Hexanone	ND	10	1.000	109405	01/11/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-3	Units:	ug/L
Lab ID:	184196-002	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	0.5	1.000	109405	01/11/06
Tetrachloroethene	200	2.0	4.000	109440	01/12/06
Dibromochloromethane	ND	0.5	1.000	109405	01/11/06
1,2-Dibromoethane	ND	0.5	1.000	109405	01/11/06
Chlorobenzene	ND	0.5	1.000	109405	01/11/06
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	109405	01/11/06
Ethylbenzene	ND	0.5	1.000	109405	01/11/06
m,p-Xylenes	ND	0.5	1.000	109405	01/11/06
o-Xylene	ND	0.5	1.000	109405	01/11/06
Styrene	ND	0.5	1.000	109405	01/11/06
Bromoform	ND	1.0	1.000	109405	01/11/06
Isopropylbenzene	ND	0.5	1.000	109405	01/11/06
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	109405	01/11/06
1,2,3-Trichloropropane	ND	0.5	1.000	109405	01/11/06
Propylbenzene	ND	0.5	1.000	109405	01/11/06
Bromobenzene	ND	0.5	1.000	109405	01/11/06
1,3,5-Trimethylbenzene	ND	0.5	1.000	109405	01/11/06
2-Chlorotoluene	ND	0.5	1.000	109405	01/11/06
4-Chlorotoluene	ND	0.5	1.000	109405	01/11/06
tert-Butylbenzene	ND	0.5	1.000	109405	01/11/06
1,2,4-Trimethylbenzene	ND	0.5	1.000	109405	01/11/06
sec-Butylbenzene	ND	0.5	1.000	109405	01/11/06
para-Isopropyl Toluene	ND	0.5	1.000	109405	01/11/06
1,3-Dichlorobenzene	ND	0.5	1.000	109405	01/11/06
1,4-Dichlorobenzene	ND	0.5	1.000	109405	01/11/06
n-Butylbenzene	ND	0.5	1.000	109405	01/11/06
1,2-Dichlorobenzene	ND	0.5	1.000	109405	01/11/06
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	109405	01/11/06
1,2,4-Trichlorobenzene	ND	0.5	1.000	109405	01/11/06
Hexachlorobutadiene	ND	0.5	1.000	109405	01/11/06
Naphthalene	ND	2.0	1.000	109405	01/11/06
1,2,3-Trichlorobenzene	ND	0.5	1.000	109405	01/11/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	100	80-121	1.000	109405	01/11/06
1,2-Dichloroethane-d4	93	80-125	1.000	109405	01/11/06
Toluene-d8	102	80-120	1.000	109405	01/11/06
Bromofluorobenzene	109	80-124	1.000	109405	01/11/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-4	Diln Fac:	1.000
Lab ID:	184196-003	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
Freon 12	ND	1.0	109405	01/11/06
tert-Butyl Alcohol (TBA)	ND	10	109405	01/11/06
Chloromethane	ND	1.0	109405	01/11/06
Isopropyl Ether (DIPE)	ND	0.5	109405	01/11/06
Vinyl Chloride	ND	0.5	109405	01/11/06
Bromomethane	ND	1.0	109405	01/11/06
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	109405	01/11/06
Chloroethane	ND	1.0	109405	01/11/06
Methyl tert-Amyl Ether (TAME)	ND	0.5	109405	01/11/06
Trichlorofluoromethane	ND	1.0	109405	01/11/06
Acetone	ND	10	109405	01/11/06
Freon 113	ND	5.0	109405	01/11/06
1,1-Dichloroethene	ND	0.5	109405	01/11/06
Methylene Chloride	ND	10	109405	01/11/06
Carbon Disulfide	ND	0.5	109405	01/11/06
MTBE	ND	0.5	109405	01/11/06
trans-1,2-Dichloroethene	ND	0.5	109405	01/11/06
Vinyl Acetate	ND	10	109405	01/11/06
1,1-Dichloroethane	ND	0.5	109405	01/11/06
2-Butanone	ND	10	109405	01/11/06
cis-1,2-Dichloroethene	1.8	0.5	109405	01/11/06
2,2-Dichloropropane	ND	0.5	109405	01/11/06
Chloroform	ND	0.5	109405	01/11/06
Bromochloromethane	ND	0.5	109405	01/11/06
1,1,1-Trichloroethane	ND	0.5	109405	01/11/06
1,1-Dichloropropene	ND	0.5	109405	01/11/06
Carbon Tetrachloride	ND	0.5	109405	01/11/06
1,2-Dichloroethane	ND	0.5	109405	01/11/06
Benzene	ND	0.5	109405	01/11/06
Trichloroethene	ND	0.5	109405	01/11/06
1,2-Dichloropropane	1.5	0.5	109405	01/11/06
Bromodichloromethane	ND	0.5	109405	01/11/06
Dibromomethane	ND	0.5	109405	01/11/06
4-Methyl-2-Pentanone	ND	10	109405	01/11/06
cis-1,3-Dichloropropene	ND	0.5	109405	01/11/06
Toluene	ND	0.5	109405	01/11/06
trans-1,3-Dichloropropene	ND	0.5	109405	01/11/06
1,1,2-Trichloroethane	ND	0.5	109405	01/11/06
2-Hexanone	ND	10	109405	01/11/06
1,3-Dichloropropane	ND	0.5	109405	01/11/06
Tetrachloroethene	ND	0.5	109340	01/09/06
Dibromochloromethane	ND	0.5	109405	01/11/06
1,2-Dibromoethane	ND	0.5	109405	01/11/06
Chlorobenzene	ND	0.5	109405	01/11/06
1,1,1,2-Tetrachloroethane	ND	0.5	109405	01/11/06
Ethylbenzene	ND	0.5	109405	01/11/06
m,p-Xylenes	ND	0.5	109405	01/11/06
o-Xylene	ND	0.5	109405	01/11/06
Styrene	ND	0.5	109405	01/11/06
Bromoform	ND	1.0	109405	01/11/06
Isopropylbenzene	2.7	0.5	109405	01/11/06
1,1,2,2-Tetrachloroethane	ND	0.5	109405	01/11/06
1,2,3-Trichloropropane	ND	0.5	109405	01/11/06
Propylbenzene	2.7	0.5	109405	01/11/06
Bromobenzene	ND	0.5	109405	01/11/06
1,3,5-Trimethylbenzene	ND	0.5	109405	01/11/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	GW-4	Diln Fac:	1.000
Lab ID:	184196-003	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
2-Chlorotoluene	ND	0.5	109405	01/11/06
4-Chlorotoluene	ND	0.5	109405	01/11/06
tert-Butylbenzene	3.0	0.5	109405	01/11/06
1,2,4-Trimethylbenzene	ND	0.5	109405	01/11/06
sec-Butylbenzene	12	0.5	109405	01/11/06
para-Isopropyl Toluene	ND	0.5	109405	01/11/06
1,3-Dichlorobenzene	ND	0.5	109405	01/11/06
1,4-Dichlorobenzene	ND	0.5	109405	01/11/06
n-Butylbenzene	5.1	0.5	109405	01/11/06
1,2-Dichlorobenzene	ND	0.5	109405	01/11/06
1,2-Dibromo-3-Chloropropane	ND	2.0	109405	01/11/06
1,2,4-Trichlorobenzene	ND	0.5	109405	01/11/06
Hexachlorobutadiene	ND	0.5	109405	01/11/06
Naphthalene	ND	2.0	109405	01/11/06
1,2,3-Trichlorobenzene	ND	0.5	109405	01/11/06

Surrogate	%REC	Limits	Batch#	Analyzed
Dibromofluoromethane	99	80-121	109405	01/11/06
1,2-Dichloroethane-d4	91	80-125	109405	01/11/06
Toluene-d8	102	80-120	109405	01/11/06
Bromofluorobenzene	107	80-124	109405	01/11/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	109340
Lab ID:	184196-004	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	109340
Lab ID:	184196-004	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
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	80-121
1,2-Dichloroethane-d4	108	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-1	Batch#:	109340
Lab ID:	184196-005	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	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	7.6	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	62	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
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-1	Batch#:	109340
Lab ID:	184196-005	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
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	110	80-121
1,2-Dichloroethane-d4	112	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-2	Batch#:	109440
Lab ID:	184196-006	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	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	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
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-2	Batch#:	109440
Lab ID:	184196-006	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	1.000		

Analyte	Result	RL
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	102	80-121
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	107	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-3	Batch#:	109340
Lab ID:	184196-007	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	3.1	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
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	LFR-3	Batch#:	109340
Lab ID:	184196-007	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
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	105	80-121
1,2-Dichloroethane-d4	108	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-1	Units:	ug/L
Lab ID:	184196-008	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	109440	01/12/06
tert-Butyl Alcohol (TBA)	ND	10	1.000	109440	01/12/06
Chloromethane	ND	1.0	1.000	109440	01/12/06
Isopropyl Ether (DIPE)	4.2	0.5	1.000	109440	01/12/06
Vinyl Chloride	ND	0.5	1.000	109440	01/12/06
Bromomethane	ND	1.0	1.000	109440	01/12/06
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	109440	01/12/06
Chloroethane	ND	1.0	1.000	109440	01/12/06
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	109440	01/12/06
Trichlorofluoromethane	ND	1.0	1.000	109440	01/12/06
Acetone	ND	10	1.000	109440	01/12/06
Freon 113	ND	5.0	1.000	109440	01/12/06
1,1-Dichloroethene	ND	0.5	1.000	109440	01/12/06
Methylene Chloride	ND	10	1.000	109440	01/12/06
Carbon Disulfide	ND	0.5	1.000	109440	01/12/06
MTBE	270	2.0	4.000	109469	01/13/06
trans-1,2-Dichloroethene	ND	0.5	1.000	109440	01/12/06
Vinyl Acetate	ND	10	1.000	109440	01/12/06
1,1-Dichloroethane	ND	0.5	1.000	109440	01/12/06
2-Butanone	ND	10	1.000	109440	01/12/06
cis-1,2-Dichloroethene	28	0.5	1.000	109440	01/12/06
2,2-Dichloropropane	ND	0.5	1.000	109440	01/12/06
Chloroform	ND	0.5	1.000	109440	01/12/06
Bromochloromethane	ND	0.5	1.000	109440	01/12/06
1,1,1-Trichloroethane	ND	0.5	1.000	109440	01/12/06
1,1-Dichloropropene	ND	0.5	1.000	109440	01/12/06
Carbon Tetrachloride	ND	0.5	1.000	109440	01/12/06
1,2-Dichloroethane	ND	0.5	1.000	109440	01/12/06
Benzene	0.6	0.5	1.000	109440	01/12/06
Trichloroethene	1.3	0.5	1.000	109440	01/12/06
1,2-Dichloropropane	2.6	0.5	1.000	109440	01/12/06
Bromodichloromethane	ND	0.5	1.000	109440	01/12/06
Dibromomethane	ND	0.5	1.000	109440	01/12/06
4-Methyl-2-Pentanone	ND	10	1.000	109440	01/12/06
cis-1,3-Dichloropropene	ND	0.5	1.000	109440	01/12/06
Toluene	ND	0.5	1.000	109440	01/12/06
trans-1,3-Dichloropropene	ND	0.5	1.000	109440	01/12/06
1,1,2-Trichloroethane	ND	0.5	1.000	109440	01/12/06
2-Hexanone	ND	10	1.000	109440	01/12/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-1	Units:	ug/L
Lab ID:	184196-008	Sampled:	01/05/06
Matrix:	Water	Received:	01/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	0.5	1.000	109440	01/12/06
Tetrachloroethene	19	0.5	1.000	109440	01/12/06
Dibromochloromethane	ND	0.5	1.000	109440	01/12/06
1,2-Dibromoethane	ND	0.5	1.000	109440	01/12/06
Chlorobenzene	ND	0.5	1.000	109440	01/12/06
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	109440	01/12/06
Ethylbenzene	ND	0.5	1.000	109440	01/12/06
m,p-Xylenes	ND	0.5	1.000	109440	01/12/06
o-Xylene	ND	0.5	1.000	109440	01/12/06
Styrene	ND	0.5	1.000	109440	01/12/06
Bromoform	ND	1.0	1.000	109440	01/12/06
Isopropylbenzene	ND	0.5	1.000	109440	01/12/06
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	109440	01/12/06
1,2,3-Trichloropropane	ND	0.5	1.000	109440	01/12/06
Propylbenzene	ND	0.5	1.000	109440	01/12/06
Bromobenzene	ND	0.5	1.000	109440	01/12/06
1,3,5-Trimethylbenzene	ND	0.5	1.000	109440	01/12/06
2-Chlorotoluene	ND	0.5	1.000	109440	01/12/06
4-Chlorotoluene	ND	0.5	1.000	109440	01/12/06
tert-Butylbenzene	ND	0.5	1.000	109440	01/12/06
1,2,4-Trimethylbenzene	ND	0.5	1.000	109440	01/12/06
sec-Butylbenzene	ND	0.5	1.000	109440	01/12/06
para-Isopropyl Toluene	ND	0.5	1.000	109440	01/12/06
1,3-Dichlorobenzene	ND	0.5	1.000	109440	01/12/06
1,4-Dichlorobenzene	ND	0.5	1.000	109440	01/12/06
n-Butylbenzene	ND	0.5	1.000	109440	01/12/06
1,2-Dichlorobenzene	ND	0.5	1.000	109440	01/12/06
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	109440	01/12/06
1,2,4-Trichlorobenzene	ND	0.5	1.000	109440	01/12/06
Hexachlorobutadiene	ND	0.5	1.000	109440	01/12/06
Naphthalene	ND	2.0	1.000	109440	01/12/06
1,2,3-Trichlorobenzene	ND	0.5	1.000	109440	01/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	101	80-121	1.000	109440	01/12/06
1,2-Dichloroethane-d4	91	80-125	1.000	109440	01/12/06
Toluene-d8	101	80-120	1.000	109440	01/12/06
Bromofluorobenzene	110	80-124	1.000	109440	01/12/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-3	Units:	ug/L
Lab ID:	184196-009	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	109440	01/12/06
tert-Butyl Alcohol (TBA)	ND	10	1.000	109440	01/12/06
Chloromethane	ND	1.0	1.000	109440	01/12/06
Isopropyl Ether (DIPE)	5.4	0.5	1.000	109440	01/12/06
Vinyl Chloride	1.0	0.5	1.000	109440	01/12/06
Bromomethane	ND	1.0	1.000	109440	01/12/06
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	109440	01/12/06
Chloroethane	ND	1.0	1.000	109440	01/12/06
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	109440	01/12/06
Trichlorofluoromethane	ND	1.0	1.000	109440	01/12/06
Acetone	ND	10	1.000	109440	01/12/06
Freon 113	ND	5.0	1.000	109440	01/12/06
1,1-Dichloroethene	1.2	0.5	1.000	109440	01/12/06
Methylene Chloride	ND	10	1.000	109440	01/12/06
Carbon Disulfide	ND	0.5	1.000	109440	01/12/06
MTBE	390	5.0	10.00	109469	01/13/06
trans-1,2-Dichloroethene	5.0	0.5	1.000	109440	01/12/06
Vinyl Acetate	ND	10	1.000	109440	01/12/06
1,1-Dichloroethane	ND	0.5	1.000	109440	01/12/06
2-Butanone	ND	10	1.000	109440	01/12/06
cis-1,2-Dichloroethene	770	5.0	10.00	109469	01/13/06
2,2-Dichloropropane	ND	0.5	1.000	109440	01/12/06
Chloroform	ND	0.5	1.000	109440	01/12/06
Bromochloromethane	ND	0.5	1.000	109440	01/12/06
1,1,1-Trichloroethane	ND	0.5	1.000	109440	01/12/06
1,1-Dichloropropene	ND	0.5	1.000	109440	01/12/06
Carbon Tetrachloride	ND	0.5	1.000	109440	01/12/06
1,2-Dichloroethane	ND	0.5	1.000	109440	01/12/06
Benzene	1.4	0.5	1.000	109440	01/12/06
Trichloroethene	9.4	0.5	1.000	109440	01/12/06
1,2-Dichloropropane	2.6	0.5	1.000	109440	01/12/06
Bromodichloromethane	ND	0.5	1.000	109440	01/12/06
Dibromomethane	ND	0.5	1.000	109440	01/12/06
4-Methyl-2-Pentanone	ND	10	1.000	109440	01/12/06
cis-1,3-Dichloropropene	ND	0.5	1.000	109440	01/12/06
Toluene	ND	0.5	1.000	109440	01/12/06
trans-1,3-Dichloropropene	ND	0.5	1.000	109440	01/12/06
1,1,2-Trichloroethane	ND	0.5	1.000	109440	01/12/06
2-Hexanone	ND	10	1.000	109440	01/12/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-3	Units:	ug/L
Lab ID:	184196-009	Sampled:	01/06/06
Matrix:	Water	Received:	01/06/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3-Dichloropropane	ND	0.5	1.000	109440	01/12/06
Tetrachloroethene	25	0.5	1.000	109440	01/12/06
Dibromochloromethane	ND	0.5	1.000	109440	01/12/06
1,2-Dibromoethane	ND	0.5	1.000	109440	01/12/06
Chlorobenzene	ND	0.5	1.000	109440	01/12/06
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	109440	01/12/06
Ethylbenzene	ND	0.5	1.000	109440	01/12/06
m,p-Xylenes	ND	0.5	1.000	109440	01/12/06
o-Xylene	1.2	0.5	1.000	109440	01/12/06
Styrene	ND	0.5	1.000	109440	01/12/06
Bromoform	ND	1.0	1.000	109440	01/12/06
Isopropylbenzene	ND	0.5	1.000	109440	01/12/06
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	109440	01/12/06
1,2,3-Trichloropropane	ND	0.5	1.000	109440	01/12/06
Propylbenzene	ND	0.5	1.000	109440	01/12/06
Bromobenzene	ND	0.5	1.000	109440	01/12/06
1,3,5-Trimethylbenzene	ND	0.5	1.000	109440	01/12/06
2-Chlorotoluene	ND	0.5	1.000	109440	01/12/06
4-Chlorotoluene	ND	0.5	1.000	109440	01/12/06
tert-Butylbenzene	ND	0.5	1.000	109440	01/12/06
1,2,4-Trimethylbenzene	ND	0.5	1.000	109440	01/12/06
sec-Butylbenzene	ND	0.5	1.000	109440	01/12/06
para-Isopropyl Toluene	ND	0.5	1.000	109440	01/12/06
1,3-Dichlorobenzene	ND	0.5	1.000	109440	01/12/06
1,4-Dichlorobenzene	ND	0.5	1.000	109440	01/12/06
n-Butylbenzene	ND	0.5	1.000	109440	01/12/06
1,2-Dichlorobenzene	ND	0.5	1.000	109440	01/12/06
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	109440	01/12/06
1,2,4-Trichlorobenzene	ND	0.5	1.000	109440	01/12/06
Hexachlorobutadiene	ND	0.5	1.000	109440	01/12/06
Naphthalene	ND	2.0	1.000	109440	01/12/06
1,2,3-Trichlorobenzene	ND	0.5	1.000	109440	01/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	101	80-121	1.000	109440	01/12/06
1,2-Dichloroethane-d4	92	80-125	1.000	109440	01/12/06
Toluene-d8	103	80-120	1.000	109440	01/12/06
Bromofluorobenzene	106	80-124	1.000	109440	01/12/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323525	Batch#:	109340
Matrix:	Water	Analyzed:	01/09/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323525	Batch#:	109340
Matrix:	Water	Analyzed:	01/09/06
Units:	ug/L		

Analyte	Result	RL
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	106	80-121
1,2-Dichloroethane-d4	114	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323774	Batch#:	109405
Matrix:	Water	Analyzed:	01/11/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323774	Batch#:	109405
Matrix:	Water	Analyzed:	01/11/06
Units:	ug/L		

Analyte	Result	RL
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	100	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	111	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323904	Batch#:	109440
Matrix:	Water	Analyzed:	01/12/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323904	Batch#:	109440
Matrix:	Water	Analyzed:	01/12/06
Units:	ug/L		

Analyte	Result	RL
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	100	80-121
1,2-Dichloroethane-d4	92	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	110	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC324006	Batch#:	109469
Matrix:	Water	Analyzed:	01/13/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC324006	Batch#:	109469
Matrix:	Water	Analyzed:	01/13/06
Units:	ug/L		

Analyte	Result	RL
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	98	80-121
1,2-Dichloroethane-d4	91	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC324007	Batch#:	109469
Matrix:	Water	Analyzed:	01/13/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC324007	Batch#:	109469
Matrix:	Water	Analyzed:	01/13/06
Units:	ug/L		

Analyte	Result	RL
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	101	80-121
1,2-Dichloroethane-d4	92	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	110	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109340
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323526

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	140.1	112	66-138
Isopropyl Ether (DIPE)	25.00	27.87	111	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	29.77	119	77-123
Methyl tert-Amyl Ether (TAME)	25.00	27.16	109	77-120
1,1-Dichloroethene	25.00	25.90	104	74-124
Benzene	25.00	25.64	103	80-120
Trichloroethene	25.00	25.36	101	79-120
Toluene	25.00	24.17	97	80-120
Chlorobenzene	25.00	26.72	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-121
1,2-Dichloroethane-d4	104	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-124

Type: BSD Lab ID: QC323527

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	155.4	124	66-138	10	25
Isopropyl Ether (DIPE)	25.00	27.48	110	74-121	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	30.31	121	77-123	2	20
Methyl tert-Amyl Ether (TAME)	25.00	25.88	104	77-120	5	20
1,1-Dichloroethene	25.00	24.76	99	74-124	4	20
Benzene	25.00	24.52	98	80-120	4	20
Trichloroethene	25.00	24.59	98	79-120	3	20
Toluene	25.00	23.31	93	80-120	4	20
Chlorobenzene	25.00	26.02	104	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	105	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	104	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109405
Units:	ug/L	Analyzed:	01/11/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323770

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.8	89	66-138
Isopropyl Ether (DIPE)	25.00	23.52	94	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	25.73	103	77-123
Methyl tert-Amyl Ether (TAME)	25.00	22.00	88	77-120
1,1-Dichloroethene	25.00	23.72	95	74-124
Benzene	25.00	23.09	92	80-120
Trichloroethene	25.00	22.80	91	79-120
Toluene	25.00	22.78	91	80-120
Chlorobenzene	25.00	23.55	94	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-124

Type: BSD Lab ID: QC323771

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	124.7	100	66-138	12	25
Isopropyl Ether (DIPE)	25.00	25.78	103	74-121	9	20
Ethyl tert-Butyl Ether (ETBE)	25.00	28.09	112	77-123	9	20
Methyl tert-Amyl Ether (TAME)	25.00	23.93	96	77-120	8	20
1,1-Dichloroethene	25.00	27.47	110	74-124	15	20
Benzene	25.00	25.99	104	80-120	12	20
Trichloroethene	25.00	26.28	105	79-120	14	20
Toluene	25.00	26.30	105	80-120	14	20
Chlorobenzene	25.00	26.51	106	80-120	12	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109440
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323900

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	116.3	93	66-138
Isopropyl Ether (DIPE)	25.00	24.82	99	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	26.25	105	77-123
Methyl tert-Amyl Ether (TAME)	25.00	22.40	90	77-120
1,1-Dichloroethene	25.00	24.66	99	74-124
Benzene	25.00	23.72	95	80-120
Trichloroethene	25.00	23.06	92	79-120
Toluene	25.00	23.84	95	80-120
Chlorobenzene	25.00	24.03	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-124

Type: BSD Lab ID: QC323901

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	128.1	102	66-138	10	25
Isopropyl Ether (DIPE)	25.00	24.54	98	74-121	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.86	107	77-123	2	20
Methyl tert-Amyl Ether (TAME)	25.00	23.27	93	77-120	4	20
1,1-Dichloroethene	25.00	25.78	103	74-124	4	20
Benzene	25.00	24.58	98	80-120	4	20
Trichloroethene	25.00	24.84	99	79-120	7	20
Toluene	25.00	24.83	99	80-120	4	20
Chlorobenzene	25.00	24.91	100	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC324005	Batch#:	109469
Matrix:	Water	Analyzed:	01/13/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	103.4	83	66-138
Isopropyl Ether (DIPE)	25.00	23.87	95	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	25.97	104	77-123
Methyl tert-Amyl Ether (TAME)	25.00	22.04	88	77-120
1,1-Dichloroethene	25.00	24.34	97	74-124
Benzene	25.00	23.62	94	80-120
Trichloroethene	25.00	23.55	94	79-120
Toluene	25.00	23.61	94	80-120
Chlorobenzene	25.00	23.96	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-124

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	109469
MSS Lab ID:	184248-006	Sampled:	01/10/06
Matrix:	Water	Received:	01/11/06
Units:	ug/L	Analyzed:	01/14/06
Diln Fac:	1.000		

Type: MS Lab ID: QC324008

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.348	125.0	115.1	92	70-145
Isopropyl Ether (DIPE)	<0.02749	25.00	26.04	104	78-125
Ethyl tert-Butyl Ether (ETBE)	<0.03408	25.00	27.85	111	78-124
Methyl tert-Amyl Ether (TAME)	<0.05699	25.00	22.22	89	78-120
1,1-Dichloroethene	<0.08940	25.00	27.00	108	69-130
Benzene	<0.02734	25.00	24.40	98	78-120
Trichloroethene	1.076	25.00	25.48	98	71-122
Toluene	<0.05252	25.00	24.21	97	78-120
Chlorobenzene	<0.04954	25.00	24.35	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	95	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-124

Type: MSD Lab ID: QC324009

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	121.0	97	70-145	5	22
Isopropyl Ether (DIPE)	25.00	25.68	103	78-125	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	27.00	108	78-124	3	20
Methyl tert-Amyl Ether (TAME)	25.00	22.16	89	78-120	0	20
1,1-Dichloroethene	25.00	27.39	110	69-130	1	20
Benzene	25.00	24.54	98	78-120	1	20
Trichloroethene	25.00	25.50	98	71-122	0	20
Toluene	25.00	24.13	97	78-120	0	20
Chlorobenzene	25.00	24.29	97	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	95	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	107	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved Gasses

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Received:	01/06/06
Units:	mg/L	Analyzed:	01/10/06
Batch#:	109361		

Field ID: GW-2 Diln Fac: 1.000
Type: SAMPLE Sampled: 01/06/06
Lab ID: 184196-001

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: 01/06/06
Lab ID: 184196-002

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

Field ID: GW-4 Lab ID: 184196-003
Type: SAMPLE Sampled: 01/05/06

Analyte	Result	RL	Diln Fac
Methane	3.4	0.025	5.000
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Field ID: MW-11 Diln Fac: 1.000
Type: SAMPLE Sampled: 01/05/06
Lab ID: 184196-004

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: 01/06/06
Lab ID: 184196-005

Analyte	Result	RL
Methane	0.025	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved Gasses

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Received:	01/06/06
Units:	mg/L	Analyzed:	01/10/06
Batch#:	109361		

Field ID: LFR-2 Lab ID: 184196-006
Type: SAMPLE Sampled: 01/05/06

Analyte	Result	RL	Diln Fac
Methane	14	0.050	10.00
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Field ID: LFR-3 Diln Fac: 1.000
Type: SAMPLE Sampled: 01/06/06
Lab ID: 184196-007

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

Field ID: SOMA-1 Diln Fac: 1.000
Type: SAMPLE Sampled: 01/05/06
Lab ID: 184196-008

Analyte	Result	RL
Methane	0.60	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Field ID: SOMA-3 Diln Fac: 1.000
Type: SAMPLE Sampled: 01/06/06
Lab ID: 184196-009

Analyte	Result	RL
Methane	3.1	0.0050
Ethene	ND	0.0050
Ethane	ND	0.0050

Type: BLANK Diln Fac: 1.000
Lab ID: QC323600

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

ND= Not Detected
RL= Reporting Limit

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Batch QC Report

Dissolved Gasses

Lab #:	184196	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Batch#:	109361
Units:	mg/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323601

Analyte	Spiked	Result	%REC	Limits
Methane	0.03272	0.03413	104	80-120
Ethene	0.05725	0.06132	107	80-120
Ethane	0.06135	0.06383	104	80-120

Type: BSD Lab ID: QC323602

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Methane	0.03272	0.03541	108	80-120	4	20
Ethene	0.05725	0.06380	111	80-120	4	20
Ethane	0.06135	0.06636	108	80-120	4	20

RPD= Relative Percent Difference

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

ANALYTICAL REPORT

Prepared for:

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

Date: 19-JAN-06
Lab Job Number: 184208
Project ID: 2511
Location: 3815 Broadway, Oakland

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:	**184208**
Client:	**SOMA Environmental Engineering Inc.**
Project:	**2511**
Location:	**3815 Broadway, Oakland**
Request Date:	**01/09/06**
Samples Received:	**01/09/06**

This hardcopy data package contains sample and QC results for three water samples, requested for the above referenced project on 01/09/06. The samples were received on ice and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recovery was observed for bromofluorobenzene (FID) in SOMA-5 (lab # 184208-002); the corresponding trifluorotoluene (FID) surrogate recovery was within limits. No other analytical problems were encountered.

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

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

CHAIN OF CUSTODY

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

C&T LOGIN # 184208

Sampler: Mehran Nowroozi / John Lohman

Project No: 2511

Report To: Tony Perini

Project Name: 3815 Broadway, Oakland, CA

Company : SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analyses: TPHg (including Stoddard Solvent) 8260B	Analyses: 8260 (Full List)	Analyses: Methane
[illegible]	[illegible]	[illegible]		[illegible]		[illegible]				*	*	*	*
-1	SOMA-2	1/9/06 11:35AM		*		9-40ml VOAs	*			*	*	*	*
-2	SOMA-5	1/9/06 [illegible]		*		9-40ml VOAs	*			*	*	*	*
-3	B-10	1/9/06 12:22pm → 1:20pm		*		9-40ml VOAs	*			*	*	*	*

Notes:

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

Received: Ice: Y / N
Cold / Ambient / Intact

RELINQUISHED BY:

1/9/06 3:35PM DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

Saranna Ah 1-9-06 3:20 DATE/TIME

DATE/TIME

DATE/TIME

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	01/09/06
Units:	ug/L	Received:	01/09/06
Batch#:	109368	Analyzed:	01/10/06

Field ID: SOMA-2 Lab ID: 184208-001
Type: SAMPLE Diln Fac: 100.0

Analyte	Result	RL
Gasoline C7-C12	93,000 H Y	5,000
Stoddard Solvent C7-C12	67,000	5,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	62-141
Bromofluorobenzene (FID)	114	78-134

Field ID: SOMA-5 Lab ID: 184208-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	1,200 H Y	50
Stoddard Solvent C7-C12	890	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	62-141
Bromofluorobenzene (FID)	143 *	78-134

Field ID: B-10 Lab ID: 184208-003
Type: SAMPLE Diln Fac: 10.00

Analyte	Result	RL
Gasoline C7-C12	15,000	500
Stoddard Solvent C7-C12	11,000 Y	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-141
Bromofluorobenzene (FID)	92	78-134

Type: BLANK Diln Fac: 1.000
Lab ID: QC323624

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

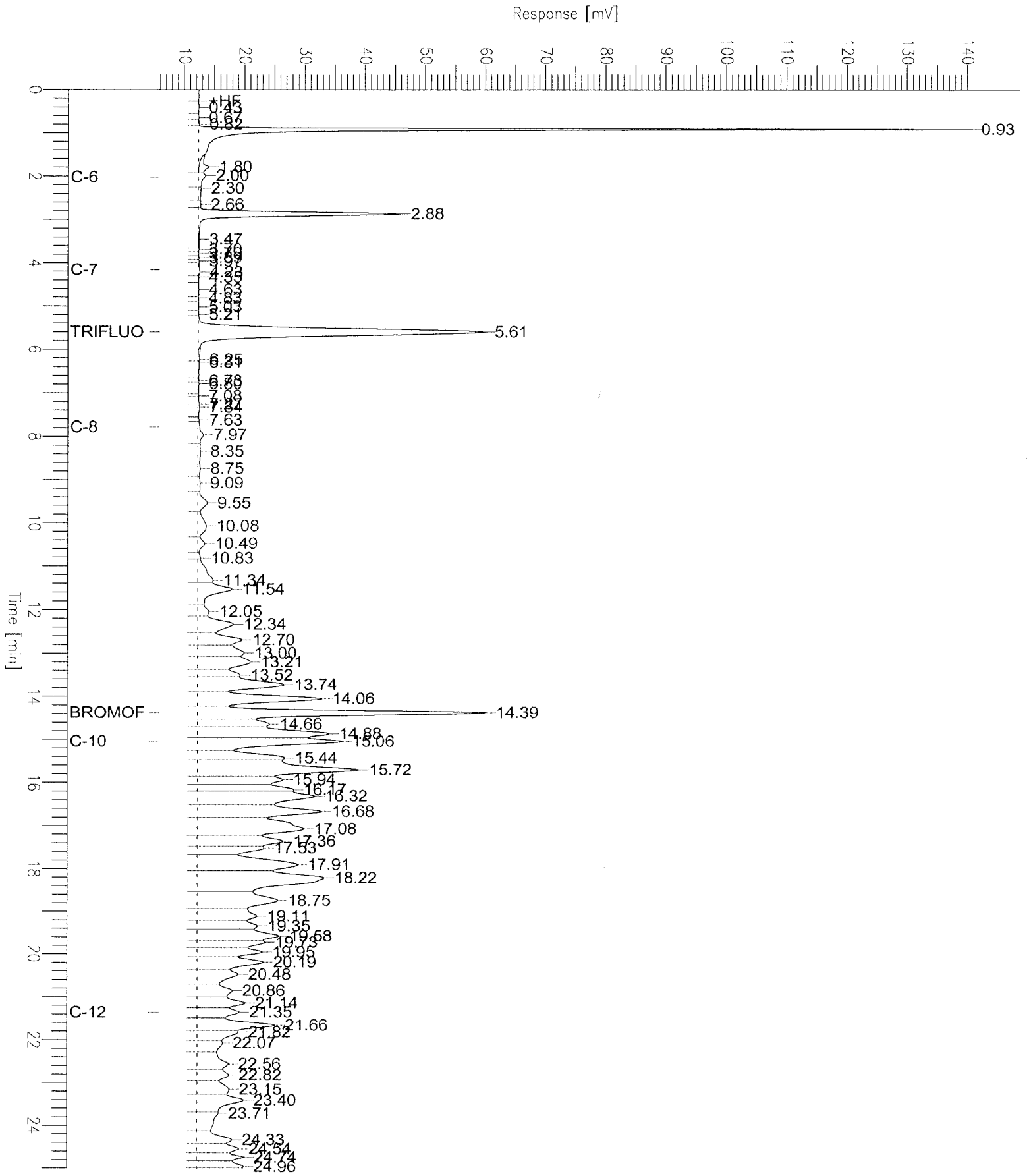
Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	62-141
Bromofluorobenzene (FID)	93	78-134

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

Chromatogram

Sample Name : 184208-001,109368,tvh only
FileName : G:\GC05\DATA\010G006.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

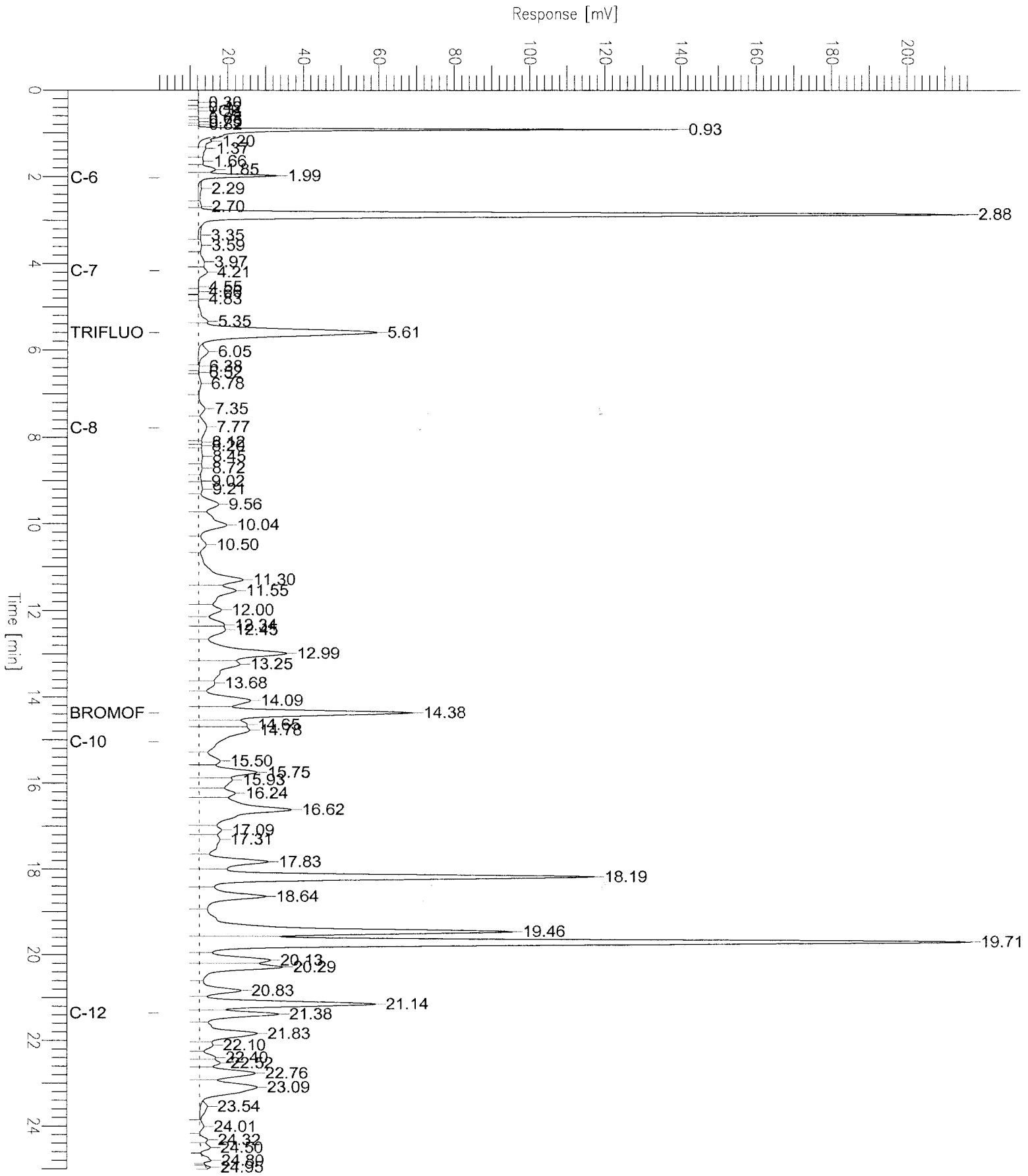
Sample #: b1.3 Page 1 of 1
Date : 1/10/06 03:19 PM
Time of Injection: 1/10/06 02:48 PM
Low Point : 5.91 mV High Point : 140.69 mV
Plot Scale: 134.8 mV



Chromatogram

Sample Name : mss,184208-002,109368,tvh+stodd only
FileName : G:\GC05\DATA\010G010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 2 mV

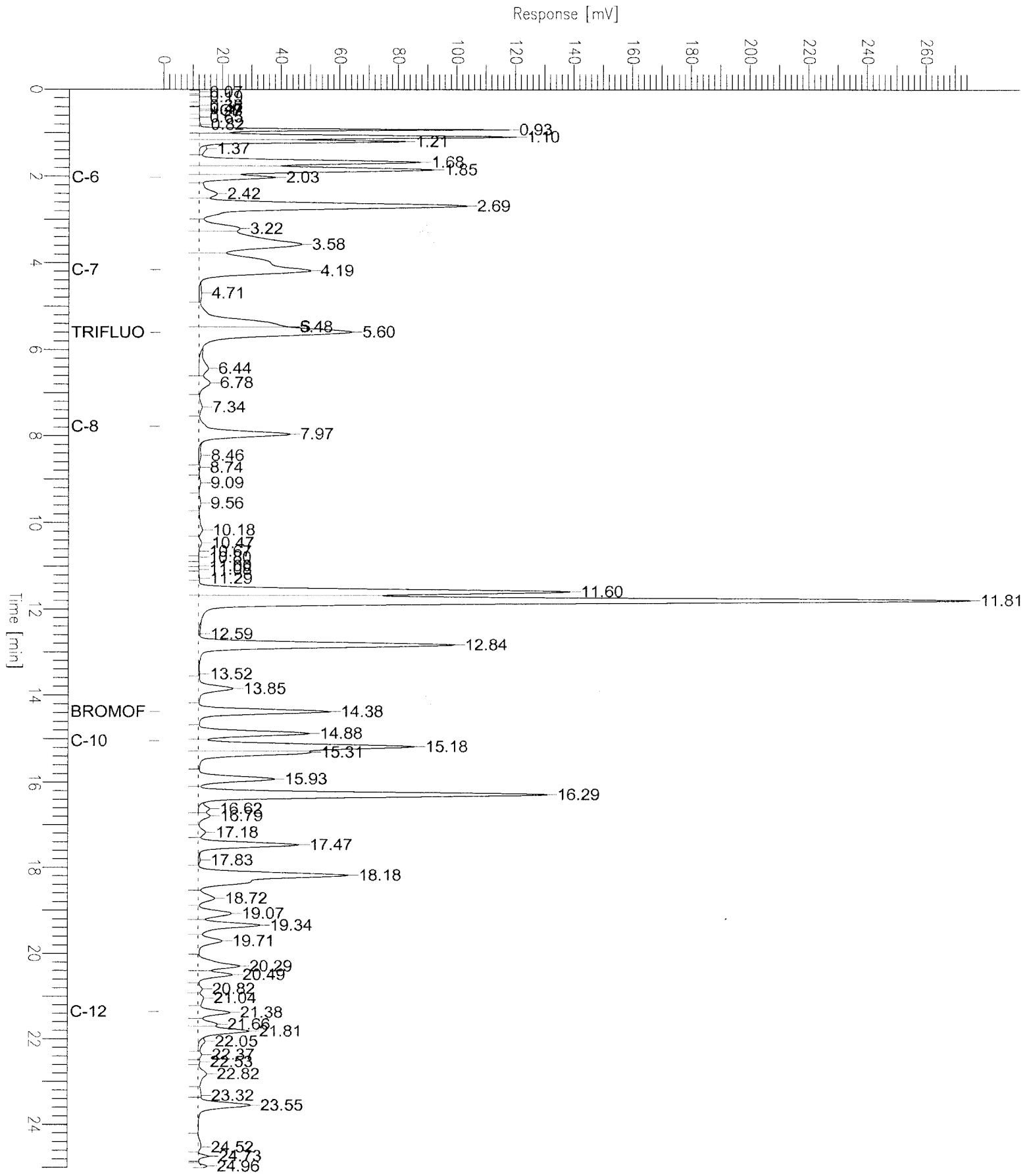
Sample #: b1.3 Page 1 of 1
Date : 1/10/06 05:21 PM
Time of Injection: 1/10/06 04:55 PM
Low Point : 1.90 mV High Point : 217.07 mV
Plot Scale: 215.2 mV



Chromatogram

Sample Name : 184208-003,109368,tvh+stodd
FileName : G:\GC05\DATA\010G012.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -1 mV

Sample #: b1.6 Page 1 of 1
Date : 1/11/06 09:23 AM
Time of Injection: 1/10/06 05:59 PM
Low Point : -1.00 mV High Point : 275.48 mV
Plot Scale: 276.5 mV

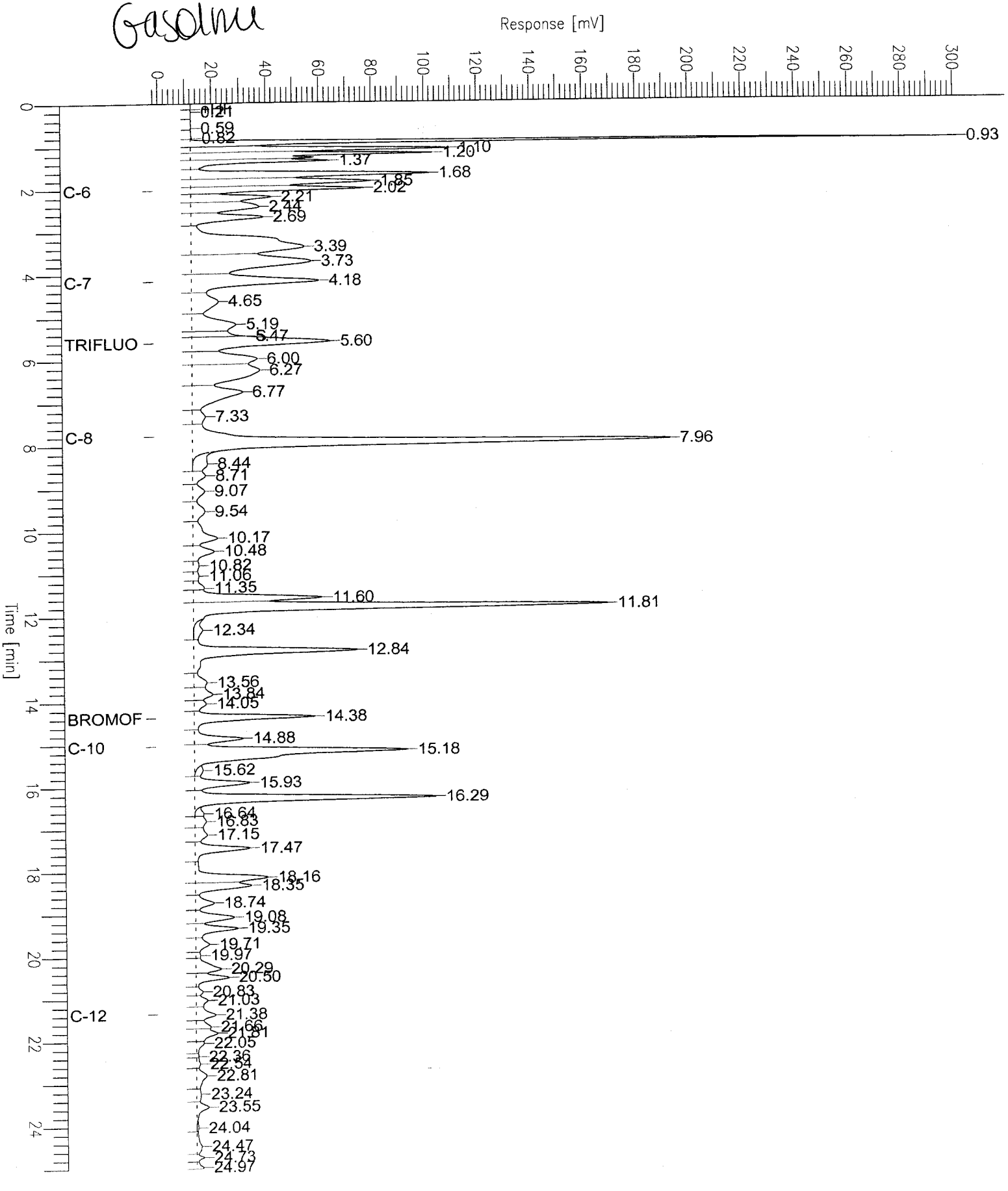


Chromatogram

Sample Name : ccv/lcs,qc323626,109368,S2400,5/5000
FileName : G:\GC05\DATA\010G003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -2 mV

Sample #: Page 1 of 1
Date : 1/10/06 01:38 PM
Time of Injection: 1/10/06 01:05 PM
Low Point : -2.08 mV High Point : 301.45 mV
Plot Scale: 303.5 mV

Gasoline

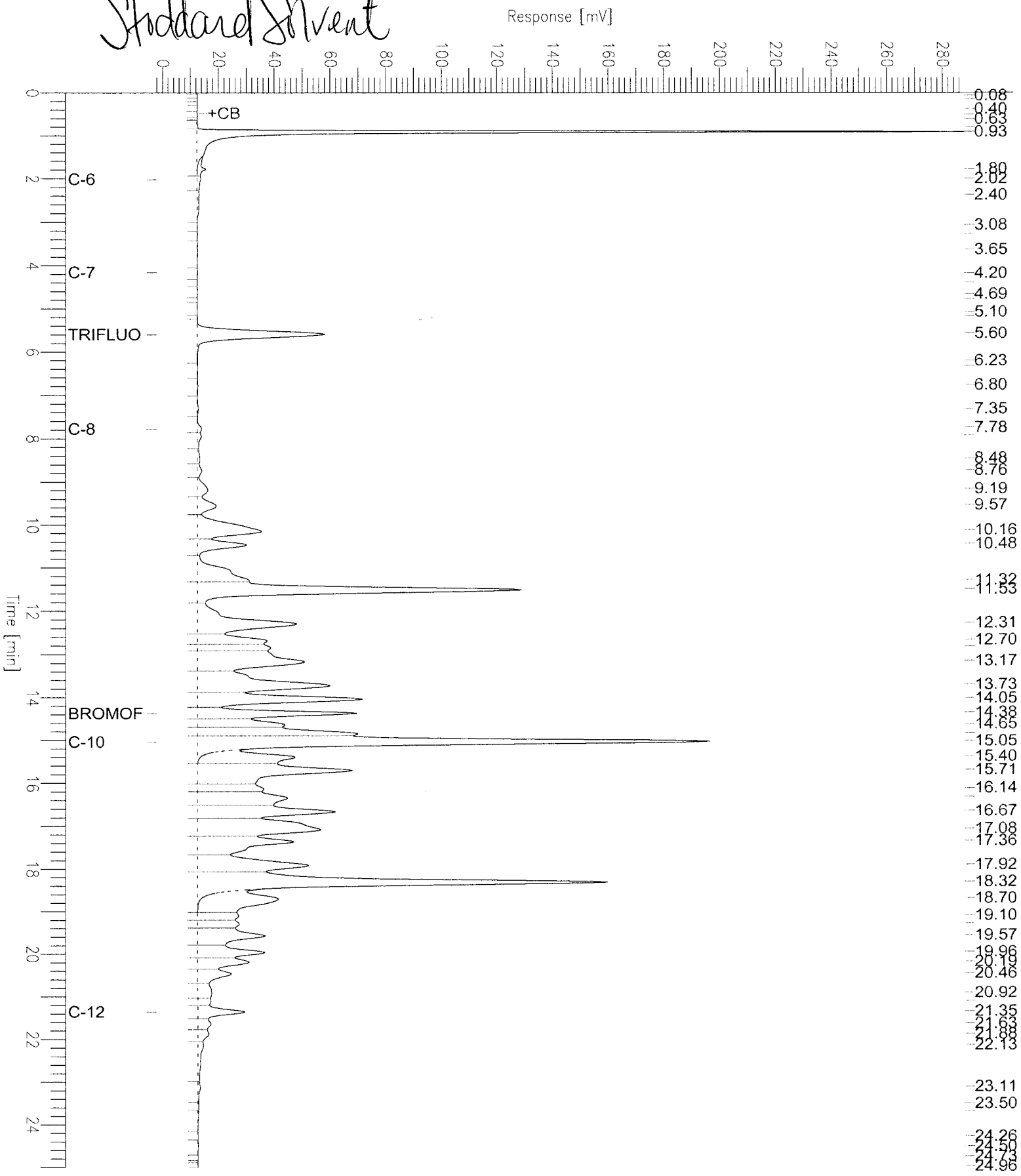


Chromatogram

Sample Name : ccv,stodd,109368,S2169,5/5000
FileName : G:\GC05\DATA\010G004.RAW
Method :
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 0.0 Plot Offset: -2 mV

Sample #: Page 1 of 1
Date : 1/11/06 10:01 AM
Time of Injection: 1/10/06 01:37 PM
Low Point : -2.21 mV High Point : 287.91 mV
Plot Scale: 290.1 mV

Stoddard Solvent



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Batch QC Report

Total Volatile Hydrocarbons

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323626	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,749	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	62-141
Bromofluorobenzene (FID)	99	78-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8015B
Field ID:	SOMA-5	Batch#:	109368
MSS Lab ID:	184208-002	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323682

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,225	2,000	2,930	85	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	124	78-134

Type: MSD Lab ID: QC323683

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	3,247	101	80-120	10	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-141
Bromofluorobenzene (FID)	132	78-134

RPD= Relative Percent Difference

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Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-2	Batch#:	109437
Lab ID:	184208-001	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	83.33		

Analyte	Result	RL
Freon 12	ND	83
tert-Butyl Alcohol (TBA)	ND	830
Chloromethane	ND	83
Isopropyl Ether (DIPE)	ND	42
Vinyl Chloride	ND	42
Bromomethane	ND	83
Ethyl tert-Butyl Ether (ETBE)	ND	42
Chloroethane	ND	83
Methyl tert-Amyl Ether (TAME)	ND	42
Trichlorofluoromethane	ND	83
Acetone	ND	830
Freon 113	ND	420
1,1-Dichloroethene	ND	42
Methylene Chloride	ND	830
Carbon Disulfide	ND	42
MTBE	ND	42
trans-1,2-Dichloroethene	49	42
Vinyl Acetate	ND	830
1,1-Dichloroethane	ND	42
2-Butanone	ND	830
cis-1,2-Dichloroethene	7,300	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	54	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
Bromobenzene	ND	42

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-2	Batch#:	109437
Lab ID:	184208-001	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	83.33		

Analyte	Result	RL
1,3,5-Trimethylbenzene	ND	42
2-Chlorotoluene	ND	42
4-Chlorotoluene	ND	42
tert-Butylbenzene	ND	42
1,2,4-Trimethylbenzene	89	42
sec-Butylbenzene	ND	42
para-Isopropyl Toluene	ND	42
1,3-Dichlorobenzene	ND	42
1,4-Dichlorobenzene	ND	42
n-Butylbenzene	72	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	108	80-121
1,2-Dichloroethane-d4	112	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	113	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-5	Batch#:	109437
Lab ID:	184208-002	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
tert-Butyl Alcohol (TBA)	ND	50
Chloromethane	ND	5.0
Isopropyl Ether (DIPE)	ND	2.5
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.5
Chloroethane	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	2.5
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	25
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	27	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	430	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	6.7	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	SOMA-5	Batch#:	109437
Lab ID:	184208-002	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	5.000		

Analyte	Result	RL
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	3.3	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	5.0	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	2.5
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-121
1,2-Dichloroethane-d4	113	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	113	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	B-10	Batch#:	109437
Lab ID:	184208-003	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	200.0		

Analyte	Result	RL
Freon 12	ND	200
tert-Butyl Alcohol (TBA)	ND	2,000
Chloromethane	ND	200
Isopropyl Ether (DIPE)	ND	100
Vinyl Chloride	ND	100
Bromomethane	ND	200
Ethyl tert-Butyl Ether (ETBE)	ND	100
Chloroethane	ND	200
Methyl tert-Amyl Ether (TAME)	ND	100
Trichlorofluoromethane	ND	200
Acetone	ND	2,000
Freon 113	ND	1,000
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	13,000	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	290	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	140	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
Bromobenzene	ND	100

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Field ID:	B-10	Batch#:	109437
Lab ID:	184208-003	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	200.0		

Analyte	Result	RL
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	105	80-121
1,2-Dichloroethane-d4	110	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	115	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323892	Batch#:	109437
Matrix:	Water	Analyzed:	01/12/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323892	Batch#:	109437
Matrix:	Water	Analyzed:	01/12/06
Units:	ug/L		

Analyte	Result	RL
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	99	80-121
1,2-Dichloroethane-d4	101	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2511	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109437
Units:	ug/L	Analyzed:	01/12/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323890

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	125.0	100	66-138
Isopropyl Ether (DIPE)	25.00	24.61	98	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	26.21	105	77-123
Methyl tert-Amyl Ether (TAME)	25.00	24.74	99	77-120
1,1-Dichloroethene	25.00	29.30	117	74-124
Benzene	25.00	26.08	104	80-120
Trichloroethene	25.00	27.00	108	79-120
Toluene	25.00	26.53	106	80-120
Chlorobenzene	25.00	25.85	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-124

Type: BSD Lab ID: QC323891

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	122.4	98	66-138	2	25
Isopropyl Ether (DIPE)	25.00	24.41	98	74-121	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.51	106	77-123	1	20
Methyl tert-Amyl Ether (TAME)	25.00	24.07	96	77-120	3	20
1,1-Dichloroethene	25.00	28.70	115	74-124	2	20
Benzene	25.00	25.31	101	80-120	3	20
Trichloroethene	25.00	26.71	107	79-120	1	20
Toluene	25.00	26.44	106	80-120	0	20
Chlorobenzene	25.00	26.06	104	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	96	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

RPD= Relative Percent Difference

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Dissolved Gasses

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Sampled:	01/09/06
Units:	mg/L	Received:	01/09/06
Batch#:	109361	Analyzed:	01/10/06

Field ID: SOMA-2 Lab ID: 184208-001
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Methane	15	0.050	10.00
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Field ID: SOMA-5 Lab ID: 184208-002
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Methane	10	0.025	5.000
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Field ID: B-10 Lab ID: 184208-003
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Methane	10	0.025	5.000
Ethene	ND	0.0050	1.000
Ethane	ND	0.0050	1.000

Type: BLANK Diln Fac: 1.000
Lab ID: QC323600

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved Gasses

Lab #:	184208	Location:	3815 Broadway, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2511	Analysis:	RSK-175
Matrix:	Water	Batch#:	109361
Units:	mg/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323601

Analyte	Spiked	Result	%REC	Limits
Methane	0.03272	0.03413	104	80-120
Ethene	0.05725	0.06132	107	80-120
Ethane	0.06135	0.06383	104	80-120

Type: BSD Lab ID: QC323602

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Methane	0.03272	0.03541	108	80-120	4	20
Ethene	0.05725	0.06380	111	80-120	4	20
Ethane	0.06135	0.06636	108	80-120	4	20

RPD= Relative Percent Difference