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February 15, 2008

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay parkway, Suite 250
Alameda, CA 94502-6577

Subject: Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Site Investigation Report – AB&I Foundry, 7825 San Leandro Street, Oakland California 94621

Dear Mr. Wickham:

AB&I respectfully submits the attached Site Investigation Report for the AB&I Foundry Site located at 7825 San Leandro Street, Oakland, California.

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

Sincerely,

AB&I

Dave Robinson
Environmental Manager

Attachment: Site Investigation Report – AB&I Foundry, 7825 San Leandro Street, Oakland, California

SITE INVESTIGATION REPORT

**AB&I Foundry
7825 San Leandro Street
Oakland, California**

01-ABI.001

Prepared For:

**AB&I Foundry
7825 San Leandro Street
Oakland, California**

Prepared By:



3451-C Vincent Road
Pleasant Hill, California 94523

February 14, 2008

Prepared By:

A handwritten signature in blue ink, appearing to read 'N. Colton'.

Nathan Colton
Staff Scientist

Reviewed By:

A handwritten signature in blue ink, appearing to read 'Kent R. Reynolds'.

Kent R. Reynolds
Principal Geologist

A handwritten signature in blue ink, appearing to read 'Jon Philipp'.

Jon Philipp, PG, C.H.G.
Senior Hydrogeologist



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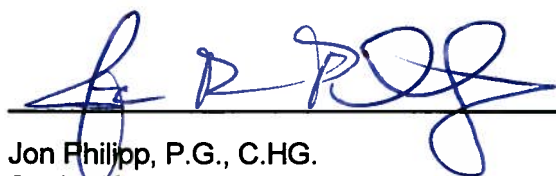
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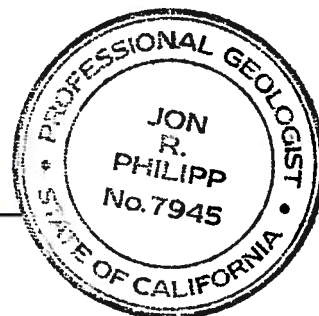
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CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document regarding the AB&I Foundry Site have been prepared under the supervision of and reviewed by the certified professional whose signature appears below.



2/15/08



Jon Philipp, P.G., C.H.G.
Senior Hydrogeologist
The Source Group, Inc.

1.0 INTRODUCTION

This report presents results of an investigation of the soil and groundwater conditions at the AB&I Foundry located at 7825 San Leandro Street in Oakland, California (Figure 1; Site). The report has been prepared by The Source Group, Inc. (SGI) on behalf AB&I Foundry (AB&I). The work was conducted in general accordance with the document titled, "Revised Site Investigation Work Plan" (Work Plan), prepared by SGI, dated September 17, 2007 (SGI 2007). The Work Plan was approved by the Alameda County Department of Environmental Health (ACEH) in a letter addressed to SGI, dated September 21, 2007.

The primary objective of the project is to obtain permanent Site closure following the removal of seven underground storage tanks (USTs) and a no further action (NFA) letter from the ACEH.

Since AB&I desires permanent closure and a NFA letter regarding activities associated with the prior UST removals, applicable regulations pertaining to permanent UST closure are defined in California Code of Regulations (CCRs), Title 23, Part 2672 (23 CCR 2672) and Title 23, Article 11. In order to receive a NFA, AB&I must demonstrate to the regulatory agency that appropriate corrective action has been taken pursuant to 23 CCR 2672.

One current method adopted and accepted by the agencies for granting an NFA is the use of the California Regional Water Quality Control Board – San Francisco Region (CRWQCB) risk-based screening approach. The CRWQCB risk-based screening approach was developed to provide a consistent decision-making process for the assessment of subsurface contamination based on the protection of human health and the environment.

Review of the available Site data suggests that the Site may be a candidate for "risk-based closure" following the CRWQCB guidelines for closing "low-risk" petroleum hydrocarbon release sites (CRWQCB 1996). Criteria to close low risk sites involves a demonstration that the source of contamination has been removed (i.e., the USTs), the site has been adequately characterized, substances remaining in soil or groundwater do not exceed maximum contaminant levels (MCLs) or other water quality objectives, a plume is not migrating into other sensitive receptors such as water wells or surface water bodies, and that the site does not present a risk to public health or the environment.

This report provides an evaluation of Site conditions and a demonstration that the Site meets the criteria for closure under the CRWQCB "low-risk" guidelines.

2.0 BACKGROUND

2.1 Site Description and History

The Site is located at 7825 San Leandro Street east of the intersection with 77th Avenue in a light industrial area of Oakland (Figures 1 and 2). The Site is bound by commercial/industrial properties to the north, south, east, and west. Union Pacific Railroad is located immediately adjacent to and west of the Site. Oakland Truck Stop is located immediately adjacent to and east of the Site. Elmhurst Creek is located along the southeast corner of the property (Figure 2). San Leandro Bay is located approximately one mile west of the Site.

AB&I has been operating at its present location since at least 1930 (BSK, 1993). Business activities include the manufacture of cast pipe and fittings. The facility accepts scrap iron and steel, which it stockpiles on-site, and uses during manufacturing activities. The Site encompasses an area of approximately 11.8 acres. The Site contains various warehouses, manufacturing and office buildings. The entire Site is covered with buildings and asphalt and concrete pavement. Seven underground storage tanks (USTs) were previously located on the Site. The USTs included one 8,000-gallon UST used for storing unleaded gasoline, one 8,000-gallon UST used for the storage of mineral spirits and later 1,1,1-trichloroethane (1,1,1-TCA), one 550-gallon UST used for storing regular leaded gasoline, one 10,000-gallon UST used for storing diesel, and three 10,000-gallon USTs used for storing gasoline.

A water supply well is located along southwest perimeter of the Site and is used in conjunction with East Bay Municipal District (EBMUD) water as a source for process (cooling) water associated with plant operations. In 1993, approximately 362,752 gallons per day (gpd) of well water and 12,000 gpd of EBMUD water was used for plant operations. Current well water use is approximately 15,000 gpd.

In 1989, a waste water treatment plant was installed to treat solids associated with process water. Excess water was discharged under a National Pollutant Discharge Elimination System (NPDES) permit issued by the California Regional Water Quality Control Board (CRWQB) in 1993. Prior to 1993, water was discharged to Elmhurst Creek in accordance with CRWQCB Order No. 88-090 (RWQCB 1993). In approximately 1995 or 1996, the treatment system was modified to recycle process water. Following the modifications in 1996, approximately 30,000 to 40,000 gpd of well water and 12,000 gpd of EBMUD water were used for plant operations.

In 2005, the treatment system was modified a second time to increase the volume of recycled water. The majority of water is currently recycled through the plant's waste water treatment system. Excess and non-recycled water is discharged to the sanitary sewer.

2.2 Hydrogeological Setting

The Site is located near the San Francisco Bay within an area identified as the East Bay Plain. The East Bay Plain is situated on the east side of the San Francisco Bay depression. The alluvial sediments of the East Bay Plain consist of a mixture of gravel, sand and clay deposited by coalescing alluvial fans. In the vicinity of the Site, fluvial and near shore deposits have been mapped (Helley et. al., 1979). The fluvial deposits are described as unconsolidated, moderately sorted, fine sand and silt, with clayey silt and occasional thin beds of coarse sand (Muir, 1993). The near-shore deposits are described as a well-sorted, fine to medium grained sand and silt, with lenses of sandy clay and clay. Regional groundwater flow in the vicinity of the Site is interpreted to be towards the west - southwest toward San Leandro Bay.

Although groundwater in the East Bay Plain is generally considered a potential future source of drinking water, there are no permitted drinking water wells within the Site vicinity (SFRWQCB, 1999), nor is the shallow groundwater in this area likely to be used as a public drinking water source in the foreseeable future. Surface water supplies from the Sierra Nevada provide the majority of the East Bay Plain's water supply, and a small amount of water is contributed by local runoff collected in reservoirs in the East Bay hills (SFRWQCB, 1999). Historical local (deep) groundwater production fields were abandoned in 1930. The Fitchburg groundwater supply well field located north and east of the Site operated from 1888-1930 (SFRWQCB, 1999). However, while municipal drinking water wells may have been abandoned, private and industrial wells still exist. Wells extracting groundwater located in the vicinity of the Site are used for irrigation and industrial purposes. Records of Alameda County Flood Control and Water Conservation District (ACFCWCD) and East Bay Municipal Utility District (EBMUD) indicate that nearly all wells in the East Bay Plain are used for "backyard", commercial irrigation, or industrial process water (99.6%) and municipal drinking water supply (0.4%).

The Site is currently underlain by a mixture of sandy/silty clay to a depth of at least 20-feet below ground surface (bgs). Groundwater has been encountered in borings and excavations at depths ranging from 8 to 12-feet bgs at the Site. Based on groundwater monitoring data from on-site monitoring wells for the period of 1993 through 2006, groundwater flows to the northeast and northwest (BSK, 2007). Groundwater hydraulic gradients have ranged from 0.002 to 0.012 feet per foot (ft/ft; BSK, 2007).

2.3 Previous Investigations

Various investigations have been conducted at the Site since 1991. Four of five investigations consisted of UST closure reports that were written as part of UST removals conducted at the Site between August 1991 and June 1992. The UST removal program included the removal of the seven USTs located on the Site. Four of the USTs were removed in the early 1990s and the three 10,000-gallon USTs were removed in 1987. The USTs removed included:

- Three 10,000-gallon USTs used for storing gasoline (removed 1982/1983);

- 8,000-gallon UST used for storing unleaded gasoline (removed 8/8/91);
- 550-gallon UST used for storing regular, leaded gasoline (removed 8/26/91);
- 8,000-gallon UST initially used for storing mineral spirits and later for storing 1,1,1-trichloroethane (removed 10/4/91); and
- 10,000-gallon UST used for storing diesel fuel (removed 6/3/92).

All of the tank removals, with the exception of the three former 10,000-gallon gasoline USTs were documented in UST closure reports. Selected data extracted from the UST closure reports are included in Appendix A. Information on the history of the three 10,000-gallon gasoline USTs was obtained from a review of historical aerial photographs from 1969, 1975, 1977, and 1983 obtained from Pacific Aerial Surveys, located in Oakland, California and from discussions with Mr. Dave Robinson (AB&I's Environmental Manager). A summary of the results of the previous tank closures and investigations follows.

Three 10,000-Gallon USTs Closure

Previous investigations conducted at the Site suggested that the three 10,000-gallon gasoline USTs were located within the building footprint of the Finished Goods Storage Area. A review of the aerial photographs and discussions with Mr. Dave Robinson indicate that the three 10,000-gallon USTs were not located within the vicinity of the Finished Goods Storage Area but were located adjacent to, and northeast of the Finished Goods Storage Area (Figure 2). A review of the aerial photographs and information provided by Mr. Dave Robinson revealed the following:

In the 1969 aerial photograph, two dispenser islands are located northeast of the Finished Goods Storage Area. Mr. Dave Robinson indicated that based on interviews with Mr. Frank Cole (former AB&I employee) the filling station was used for commercial purposes by the Olympic Oil Company and included two fuel dispensers and three 10,000-gallon gasoline USTs. In 1972, AB&I purchased the property containing the filling station. In 1977, the two fueling dispenser islands were removed and replaced by a single dispenser. All three USTs and the dispenser were reportedly removed in and around 1982/1983 (no longer depicted in the 1983 aerial photograph) by AB&I. The final disposition of the tanks is unknown. Mr. Frank Cole indicated that based on his recollection, the excavation was backfilled using soil generated from the removal of the USTs and imported soil. No confirmatory or UST closure samples were known to have been collected.

8,000-Gallon Gasoline UST Closure

Between August 5 and August 8, 1991, an 8,000-gallon gasoline UST and associated piping was removed under the oversight of Levine-Fricke Consultants (Levine-Fricke). Following the removal of the UST, approximately 20 cubic yards (CY) of soil were removed. Results of soil sampling conducted

following excavation activities indicate that remaining soil had concentrations of total petroleum hydrocarbons as gasoline (TPHg) less than 1 milligrams per kilogram (mg/kg), and no concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX) were detected above laboratory reporting limits (ABI, 1991a).

550-Gallon Gasoline UST Closure

On August 26, 1991, a 550-gallon gasoline UST and associated piping were removed from the Site under the oversight of Levine-Fricke. On September 12, 1991, approximately 120 CY of TPHg-affected soil was removed in the area of the former tank. The excavation was terminated along the west and south sides of the former tank pit due to the presence of underground utilities and foundations.

Following excavation activities, soil samples were collected to define the extent of TPHg-affected soil that was left in place. TPHg was reported at concentrations of less than 0.52 mg/kg in soil samples collected along the northern and eastern perimeter of the excavation. TPHg was reported at concentrations of 100 mg/kg and 410 mg/kg in soil samples collected along the western and southern perimeter of the excavation (Levine-Fricke, 1992).

8,000-Gallon Mineral Spirits/1,1,1-TCA UST Closure

On October 4, 1991, excavation and removal of the 8,000-gallon mineral spirits/1,1,1-TCA UST was initiated. A total of approximately 180 CY of impacted soil was removed. The excavation was extended to 4-6 feet from the sides of the tank pit. During excavation activities, a three-inch layer of a tar-like substance was observed at a depth of 3.5 feet bgs along the northeast corner of the excavation. The tar-like substance was removed from portions of northeast corner and northern-most area of the excavation but due to difficulties in removing the concrete surface structures, excavation of the tar-like substance was terminated. As a result, the extent of the contamination was not determined. Soil samples collected by Levine-Fricke indicated that soil below and around the former tank pit was affected by relatively low concentrations of 1,1,1-TCA contamination (ABI, 1992a).

10,000-Gallon Diesel UST Closure

On June 3, 1992, a 10,000-gallon diesel UST was removed from the southern portion of the Site under the oversight of Levine-Fricke. As part of the UST removal, on June 4, 1992, approximately 180 CY of soil were removed. On June 5, 1992, the excavation was stopped due to the difficulty in removing a concrete surface (slab) and the relatively low levels of contamination observed by the Levine-Fricke's on-site geologist using a photo-ionization detector (PID; ABI, 1992b).

1993 Soil and Groundwater Assessment

In 1993, BSK installed four groundwater monitoring wells (MW-1 through MW-4) to comply with a request by the ACEH for a preliminary assessment of the areas surrounding each of the removed USTs (Figure 2). Quarterly groundwater monitoring conducted between the period of 1993 and 1997, revealed the presence of relatively low levels of petroleum hydrocarbons and chlorinated volatile organic compounds (CVOCs) in the groundwater in the vicinity of the former USTs.

2006 Soil and Groundwater Assessment

In July 2006, an additional soil and groundwater assessment was conducted as part of a property transfer. Groundwater samples were collected from each of the existing monitoring wells (MW-1, MW-3, and MW-4) and submitted for chemical analysis for polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8270C, TPHg and total petroleum hydrocarbons as diesel (TPHd) using EPA Method 8015M as well as BTEX using EPA Method 8020. All samples were also analyzed for VOCs including fuel oxygenates, using EPA Method 8260B. Well MW-2 was found to be damaged beyond repair, and therefore was not sampled. On August 13, 2006 monitoring well MW-2, was abandoned (BSK, 2007).

On August 12, 13, and 18, 2006, six new groundwater monitoring wells (MW-2R, and MW-5 through MW-9) were installed. The wells were constructed with schedule 40, 2-inch diameter, polyvinyl chloride (PVC) casing. Between the period of August 17 and August 23, 2006, water levels were measured and groundwater samples were collected from the three existing and six new monitoring wells. One groundwater sample from each of the previously existing wells (MW-1, MW-3, and MW-4) was analyzed for PAHs. Groundwater samples from the six newly installed wells (MW-2R, MW-5, MW-6, MW-7, MW-8 and MW-9) were submitted for chemical analysis for TPHg and TPHd, BTEX, VOCs including fuel oxygenates, and PAHs. In addition, soil samples were collected at various depth intervals during the installation of monitoring wells MW-5, MW-6, MW-7, and MW-8 and were analyzed for metals and VOCs using EPA Methods 6020 and EPA Method 8260B, respectively.

Results of the July/August 2006 sampling event for all nine wells indicated that five of the nine wells had concentrations of at least one compound that exceeded their respective U.S. Environmental Protection Agency (USEPA) maximum contaminant level (MCL) or California Regional Water Quality Control Board – San Francisco Bay Region (CRWQCB-SF) Environmental Screening Levels (ESLs; BSK, 2007). Historical groundwater quality data is presented in Appendix A.

On September 14, 2006, ACEH issued a letter to AB&I requesting a work plan to:

- define the extent soil and groundwater contamination in the vicinity of the former 550 gallon gasoline UST and 1,1,1-TCA UST;
- evaluate elevated concentrations of lead reported in Site groundwater;
- sample Site groundwater monitoring wells; and

- evaluate the hydraulic gradient and flow direction.

On July 9, 2007, SGI submitted a Work Plan to ACEH to address the issues listed above. On July 26, 2007, ACEH issued a letter requesting a revised work plan to:

- Provide additional details regarding characterization of soil and groundwater in the vicinity of the former 550-gallon gasoline UST. Specifically, ACEH requested that the central boring in the UST area be advanced to a minimum of 30-feet bgs to characterize the vertical extent of petroleum-impacted soil. In addition, five borings locations were recommended by ACEH in order to characterize the horizontal and vertical extent of petroleum impacted soil and groundwater at the former UST location.
- Include the advancement of additional borings along transects downgradient of the former 8,000 gallon 1,1,1-TCA UST to better define the extent and direction of plume migration.
- Conduct an additional investigation in the area of the former 10,000-gallon diesel UST and monitoring well MW-7.
- Provide additional details regarding the removal of the three former 10,000-gallon USTs in the Finished Goods Area.
- Provide clarification of sampling methods and analyses for the proposed sampling location in the southeast corner of the Shipping Yard Area.
- Expand the discussion regarding which soil samples will be analyzed for metals.
- Provide additional information on the construction details and estimated historical and current daily volume of water extracted from the on-site water supply well in addition to a description of future plans for the operation of the well.
- Conduct quarterly groundwater sampling and reporting of existing monitoring wells.
- Provide a more detailed site map that illustrates the location of all proposed sampling locations.

On September 17, 2007, SGI submitted a revised Work Plan (Revised Work Plan) to ACEH. The Revised Work Plan was approved by ACEH in a letter dated September 21, 2007.

3.0 INVESTIGATION OBJECTIVES AND SCOPE OF WORK

The primary objective of the project is to obtain permanent Site closure following the removal of seven USTs and a no further action (NFA) letter from the ACEH. One current method adopted and accepted by the agencies for granting an NFA is the use of the CRWQCB's risk-based screening approach. The CRWQCB's risk-based screening approach was developed to provide a consistent decision-making process for the assessment. Detected chemical concentrations in soil gas, soil, and groundwater were compared to corresponding CRWQCB ESLs. The presence of a chemical in soil or groundwater at concentrations below its corresponding ESL can be assumed to not pose a significant threat to human health and the environment. If a chemical is present at concentrations above its corresponding ESL, then additional evaluation or further action may be necessary.

To achieve the objective described above, this investigation was conducted for the purpose of filling in data gaps associated with previous investigations conducted at the Site and to further delineate the extent of petroleum hydrocarbon and VOC contamination in soil and groundwater underlying the Site. The investigation addressed concerns outlined by ACEH in their letters to AB&I, dated September 14, 2006 and July 26, 2007 (ACEH, 2006, 2007). The investigation also addressed data gaps identified by SGI during the review of Site information.

Based on the review of data from previous investigations the following areas of concern (AOCs) were identified:

- Former Three 10,000-Gallon USTs Area
- Former 550-Gallon Gasoline UST Area
- Former 8,000-Gallon Mineral Spirits/1,1,1-TCA UST Area
- Parking Lot Area
- Former 10,000-Gallon Diesel UST Area

The location of the AOCs is shown in Figure 2.

Based on the results of the previous investigations, SGI developed and implemented the following scope of work as described in the Revised Work Plan (SGI, 2007b):

- Obtained drilling permits from the County of Alameda,
- Notified Underground Service Alert (USA) to check for underground utilities in the vicinity of the soil boring locations,
- Collection of soil gas samples from 10 locations on the Site,

- Drilled and sampled 37 soil borings to assess the source and extent of VOC and TPH-affected soil and groundwater,
- Sampled nine monitoring wells located on the Site,
- Conducted natural attenuation monitoring, and
- Prepared this report.

4.0 INVESTIGATION ACTIVITIES

Investigation activities included the collection of soil gas samples from 10 locations, the advancement of 37 borings (SB-1 through SB-37) using direct push technology (DPT) to further assess the presence of VOC and TPH-affected soil and groundwater onsite, and the sampling of nine monitoring wells located on the Site (Figure 3).

4.1 Permitting and Prefield

Prior to initiating fieldwork a soil boring permit was obtained from the Alameda County Public Works Department. A copy of the permit is included in Appendix B. USA was also notified to mark utilities.

4.2 Soil Gas Survey

On November 2, 2007, soil gas samples were collected from 10 locations at the Site to assess potential vapor intrusion into indoor and ambient air. Samples were collected in the vicinity of the 550 gallon UST area, the 8,000-gallon 1,1,1 mineral spirits/TCA UST area, the three 10,000 gallon USTs area, and well MW-9 area (Figure 3). Vironex, Inc. (Vironex) collected soil gas samples from a depth of 5-feet utilizing a hydraulically-driven probe equipped with detachable drive points. Once the drive point reached the target sample depth, the drive point was retracted to provide a void space where soil gas could accumulate. Hydrated bentonite pellets were then placed around the drive rod at the ground surface to prevent ambient air intrusion during purging and sampling. Polyethylene tubing connected to the soil gas sampling tip was attached to the vacuum system to purge the line. Approximately two tubing volumes of air were purged at a flow rate of 100 milliliters (ml) per minute.

Soil gas samples were originally planned to be analyzed in the field using an onsite mobile laboratory, but due to laboratory equipment malfunctions soil gas samples were collected into 1-liter Summa™ canisters and submitted to a stationary laboratory. To collect the soil gas sample, Summa™ canisters were placed in-line to maintain a flow rate of less than 100 ml per minute while collecting soil gas samples. Samples were then labeled and transported under chain-of-custody (COC) procedures to Air Toxics Laboratories located in Folsom, California and analyzed for VOCs using EPA Method 8260B. Following each sample collection, all tubing was discarded and the drive point rod was decontaminated. Soil gas sample locations are shown on Figure 3.

4.3 Soil Borings

Soil borings were advanced on-Site to allow the collection of soil samples for the purpose of chemical analysis, lithologic characterization, and delineation of the extent and magnitude of contamination in the vicinity of the former UST areas. A total of 31 soil borings were advanced during the week of November 4 through November 9, 2007. Six additional borings were advanced in the area of the parking lot and

along the eastern boundary of the Site on November 26 and 27, 2007 to further assess the lateral extent of VOC-affected groundwater. Soil borings consisted of dual wall DPT and macrocore DPT borings. Soil borings were advanced in the following areas:

Former Three 10,000-Gallon USTs Area

A total of eight borings (SB-1 through SB-5 and SB-7 through SB-9) were advanced in the vicinity of the three former 10,000-gallon USTs. Soil samples were collected from seven of the borings and grab groundwater samples were collected from four borings. Soil samples were analyzed for TPHg, TPHd, and BTEX. In addition, two soil samples were analyzed for CAM 17 metals (arsenic, barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, zinc, and mercury). Groundwater samples were analyzed for TPHg, BTEX, VOCs, fuel oxygenates (methyl-tert butyl alcohol [MTBE], tert-amyl methyl ether [TAME], tert butyl alcohol [TBA], diisopropyl ether [DIPE], and ethyl tert butyl ether [ETBE]), and TPHd.

In addition, two borings (SB-6 and SB-37) were advanced along the eastern perimeter of the Site to investigate the presence of potential offsite source(s) of contamination. Grab groundwater samples were collected from both borings and analyzed for TPHg, TPHd, and VOCs, including fuel oxygenates.

Former 550-Gallon Gasoline UST Area

A total of six borings (SB-10 through SB-15) were advanced in the vicinity of the former 550-gallon gasoline UST. Twenty-three soil samples and two grab groundwater samples were collected. Soil samples were analyzed for TPHg, and BTEX. In addition, two of the twenty-three soil samples were analyzed for CAM 17 metals. Groundwater samples were analyzed for TPHg, TPHd, and VOCs including fuel oxygenates.

Parking Lot Area

A total of 12 borings (SB-16 through SB-21 and SB-31 through SB-36) were advanced in the parking lot area. Ten grab groundwater samples were collected and analyzed for TPHg, TPHd, and VOCs including fuel oxygenates. Due to slow recharge no groundwater samples were collected from borings SB-21 and SB-31. Groundwater samples collected from borings SB-32 through SB-36 were only analyzed for VOCs.

Former 8,000-Gallon Mineral Spirits/1,1,1-TCA UST Area

A total of five borings (SB-22 through SB-26) were advanced in the location of former 8,000-gallon mineral spirits/1,1,1-TCA UST. Fifteen soil samples and three grab groundwater samples were collected. Soil samples were analyzed for TPHg, TPHd, and VOCs including fuel oxygenates. Six of the fifteen soil samples were also analyzed for CAM 17 metals. In addition, three soil samples collected from boring SB-26 were analyzed for PAHs. Grab groundwater samples were analyzed for TPHg, TPHd, and VOCs including fuel oxygenates.

Former 10,000-gallon Diesel UST

A total of four borings (SB-27 through SB-30) were advanced in the location of the former 10,000-gallon Diesel UST. Eleven soil samples and three grab groundwater samples were collected. Soil samples were analyzed for VOCs and TPHd. Select soil samples were also analyzed for TPHg and fuel oxygenates. In addition, two of the eleven soil samples were analyzed for CAM 17 metals. Grab groundwater samples were analyzed for TPHg, TPHd, and VOCs including fuel oxygenates.

4.4 Soil and Groundwater Sampling Procedures

Soil samples were collected continuously to a maximum depth of 25-feet bgs using Vironex's dual tube or macrocore geoprobe sampling system. Where soil samples were collected, dual-wall DPT borings were advanced. For borings in which only grab groundwater samples were collected, macrocore DPT borings were advanced. Soil samples were collected in five-foot long sections of clear, acetate sleeves. Four to six - inch long sections of the sleeves were cut using a hack saw at selected depths for logging and chemical analyses. All soil samples were logged according to Unified Soil Classification System (USCS), including color, moisture content, mottling, and presence of staining or odors. In addition, approximately 20 grams of soil from every 5-foot boring core was screened in the field for VOCs using an organic vapor monitor (OVM). Boring logs are included as Appendix C.

Soil samples submitted for chemical analysis were covered with Teflon sheets, capped, labeled and placed on ice for transport following chain-of-custody procedures to Test America Laboratories (TAL) located in Pleasanton, California.

To collect grab groundwater samples, a small diameter temporary polyvinyl chloride (PVC) well screen was inserted into the borehole. Groundwater samples were collected by placing a polyethylene tube with a bottom check valve into the screen and sampling through the tubing. Samples were decanted into laboratory provided containers. Groundwater samples were collected on-site from first encountered groundwater. Immediately following, all borings were grouted with neat cement from the bottom up using a tremmie pipe.

Groundwater samples submitted for chemical analysis were capped with Teflon septa, labeled, and placed on ice for transport to the analytical laboratory for analysis under chain-of-custody procedures.

4.5 Chemical Analyses

Soil and groundwater samples were analyzed using the following methods:

- VOCs, TPHg, and fuel oxygenates using EPA Method 8260B; and
- TPHd using EPA Method 8015M with silica gel cleanup.

Selected soil samples were also analyzed for:

- CAM 17 Metals using EPA Methods 6010B/7471, and;
- PAHs using EPA Method 8270C.

4.6 Groundwater Monitoring Well Sampling

In addition to grab groundwater samples, all nine monitoring wells were sampled on October 24 and October 25, 2007 as part of this investigation. Monitoring wells were purged and sampled using low-flow (i.e., low stress) procedures. Purging and sampling was performed using a peristaltic pump with dedicated tubing. Groundwater samples submitted for chemical analysis were capped with Teflon septa, labeled, and placed on ice for transport to the analytical laboratory for analysis under chain-of-custody procedures. Groundwater samples were analyzed for TPHg, VOCs, fuel oxygenates using EPA Method 8260B and dissolved lead using EPA Method 6010B. In addition, all groundwater samples were analyzed for TPHd using EPA Method 8015M with silica gel cleanup.

In addition to analyses listed above, groundwater samples were analyzed for geochemical indicator parameters. Geochemical indicator parameters include general environmental parameters, electron acceptor/donor constituents, and by-products of these constituents that may be generated in the subsurface as a consequence of microbiological activity. The following geochemical parameters were measured in the groundwater samples:

- Dissolved manganese;
- Ferrous iron;
- Nitrate;
- Sulfate;
- Chloride;
- Volatile organic acids; (e.g., acetic, butyric, lactic, propionic, and pyruvic acids);
- Dissolved methane / ethane / ethene; and
- Alkalinity.

Field indicator parameters for the wells were measured using a water quality meter equipped with a flow-through cell and multi-meter capable of measuring dissolved oxygen (DO), turbidity, oxidizing-reducing potential (ORP), conductivity, pH, and temperature. The field meters were calibrated daily according to the manufacturer's instructions. Copies of field groundwater sampling forms are included in Appendix D.

4.7 Equipment Decontamination

Disposable soil sampling equipment, such as small tools and disposable gloves, were decontaminated or disposed of after each use. The decontamination procedure consisted of:

- Wash in a phosphate-free soap and water mixture;
- Rinse thoroughly in distilled water following washing; and
- Final rinse using distilled water.

Decontamination of larger drilling equipment was conducted using a steam cleaner supplied by Vironex.

4.8 Waste Management

Soil cuttings, well purge water, and decon water generated during the soil and groundwater sampling were stored on the Site in properly labeled containers. Investigative derived waste (IDW) will be disposed of properly following profiling of the waste.

5.0 INVESTIGATION RESULTS

5.1 Soil Lithology

Soil encountered during this investigation consisted primarily of clay with thin interbeds of silt and silty sand. In borings advanced in the location of the former three 10,000-gallon USTs, a gravel layer was observed at approximately 21-feet bgs. Geologic cross sections are illustrated in Figures 4 and 5. A cross section location map is presented in Figure 3.

5.2 Groundwater Flow and Gradient

On October 24, 2007, the depth to groundwater was measured in monitoring wells MW-1 through MW-9. The depth to groundwater ranged from approximately 4.27 feet below top of casing (btoc) in MW-9 to 9.08 feet btoc in MW-6. The water level elevation in each well was calculated by subtracting the depth-to-water measurements from the top of casing elevations. The measured depths to water and the calculated water level elevations are summarized in Table 1.

The groundwater elevations were used to calculate the groundwater gradient and flow direction. Based on the groundwater elevation contours, groundwater is generally flowing towards the northwest along the east-central portion of the Site with groundwater movement to the north in the west-central portion of the Site. The magnitude of the lateral hydraulic (groundwater) gradient was approximately 0.005 ft/ft. A potentiometric surface map for October 2007 is presented as Figure 6.

5.3 Soil Gas, Soil, and Groundwater Results

5.3.1 Soil Gas Results

Soil gas samples were collected from 10 locations by Vironex on November 2, 2007. Of the ten samples collected, three of the samples did not report concentrations of any EPA Method 8260 target list compound above the laboratory reporting limit. Of the seven remaining samples, concentrations of chloroethane, BTEX, and tetrachloroethene (PCE) were detected. Chloroethane was detected in one sample collected north of the location of the former mineral spirits/1,1,1-TCA UST at a concentration of 0.2 micrograms per liter ($\mu\text{g/l}$). BTEX constituents were detected in the greatest number of samples in the area of the former 550-gallon gasoline UST. PCE was detected in only one sample (SG-4) located east of the Main Office Building at a concentration of 0.12 $\mu\text{g/l}$. Soil gas sample results are summarized in Table 2 and shown on Figure 7. Laboratory chemical analysis reports are included in Appendix E.

5.3.2 Soil Analytical Results - Organics

Organic chemicals or parameters detected in soil at concentrations above laboratory reporting limits included TPHg, TPHd, chloroethane, ethylbenzene, toluene, and xylenes. Soil samples results are listed in Table 3 and shown on Figures 8 through 11. Selected soil quality data is also shown on cross sections A-A' and B-B' presented in Figures 4 and 5, respectively. Laboratory chemical analysis reports are included in Appendix E.

Former Three 10,000-Gallon USTs Area

Twenty-five soil samples were collected from the Former Three 10,000-gallon USTs Area. TPHg and TPHd, along with trace concentrations of ethylbenzene were detected in soil samples collected in the vicinity and downgradient of the three former 10,000-gallon USTs. Concentrations of all three compounds in the vicinity of the USTs suggest that a leak in one or more USTs has occurred. Soil contamination appears to be confined to the upper 20 feet of soil as the deeper samples had low concentrations (less than 0.5 mg/kg) of each compound. Low concentrations of contaminants found in samples collected in the vicinity of the UST area suggest that excavation activities were effective in removing the majority of the contaminated soil in the area of the former USTs. Soil sample results for the Former Three 10,000-Gallon UST Area are shown on Figure 8.

Former 550-Gallon Gasoline UST Area

Twenty-three soil samples were collected from the Former 550-Gallon Gasoline UST Area. Based on soil samples collected from within and around the area of the former UST, there appears to have been a leak from the UST. The excavation of soil adjacent to the UST appears to have been effective in removing the bulk of the contaminated soil. TPHg was not detected in soil samples collected within the tank backfill soil. In addition, soil samples collected from borings located outside of the excavated area reported low concentrations of TPHg. Only one sample, collected from boring SB-15 located north of the excavated area at a depth of 15-feet bgs, reported higher concentrations of TPHg. TPHg-impacted soil in the vicinity of the fuel dispenser island appears confined to depths shallower than 15-feet bgs. Samples collected at deeper depths exhibited low or non-detectable concentrations of TPHg. Soil sample results for the Former 550-Fallon UST Area are shown on Figure 9.

Former 8,000-Gallon Mineral Spirits/1,1,1-TCA UST Area

Fifteen soil samples were collected from the Former 8,000-Gallon Mineral Spirits/1,1,1-TCA UST Area. Soil samples collected from the former UST area had detectable concentrations of TPHg and TPHd. Soil samples collected in deeper soil (greater than 10 feet bgs) did not report any compounds above the laboratory reporting limits indicating that contamination is confined to the upper 10-feet. Concentrations of TPHg and TPHd detected in soil samples collected from borings located north and east of the excavated were generally low indicating that soil north and east of the tank area is relatively unimpacted

with petroleum hydrocarbons. Concentrations of TPHg and TPHd were greatest in soil samples collected west of the UST area at a depth of 4-feet bgs, corresponding to the tar material observed in this area. Soil data from samples collected within the vicinity of the former UST suggests that excavation activities were effective in removing the majority of the contaminated soil in the area of the former UST. Soil samples results for the former 8,000-gallon UST area are shown on Figure 10.

Three soil samples collected from boring SB-26 at depths of 4, 10, and 15 feet bgs were also analyzed for PAHs using EPA Method 8270C. The sample collected at 4 feet bgs was the tar material previously reported during the UST removal. This tar-like material is interpreted by SGI to be the same material used to coat new manufactured product pipes in the production area. According to Mr. Dave Robinson, this tar-like material most likely was deposited on the ground prior to the paving of the production area. Sixteen PAHs were reported in the 4 foot sample of the tar material. The concentrations of the PAHs appear to attenuate rapidly with depth. Concentrations of PAHs in samples collected from the 10 and 15 foot depth intervals were low (less than 1 mg/kg). This tar-like material was not observed in adjacent borings located to the east (SB-22) or to the north (SB-24). PAH results are summarized in Table 4.

In addition, PAHs were analyzed during the August 2006 groundwater sampling event conducted by BSK (BSK, 2007). No PAHs were reported in any of the groundwater monitoring wells including MW-2R located in the immediate vicinity of boring SB-26 (Figure 10). The absence of PAHs in groundwater in the vicinity of the mineral spirits/1,1,1-TCA UST indicates that PAHs have not impacted groundwater.

Former 10,000-Gallon Diesel UST Area

Eleven soil samples were collected from the Former 10,000-Gallon Diesel UST Area. TPHd was only detected in shallow (less than 10-feet bgs) samples collected in the area of the former 10,000-gallon diesel UST. No TPHd was detected in soil samples collected at depth greater than 10-feet bgs. TPHd was reported in samples collected from outside the excavated. However, all concentrations of TPHd were low (less than 150 mg/kg). Soil data from samples collected within the vicinity of the former UST suggests that excavation activities were effective in removing the majority of the contaminated soil in the area of the former UST. Soil sample results for the former 10,000-gallon UST area are shown on Figure 11.

5.3.3 Soil Analytical Results - Metals

In addition to the analyses performed above, 12 soil samples were analyzed for CAM 17 metals. Soil samples selected for metal analyses included samples collected at each of the UST areas from fill (excavated areas and at depths of less than 5 feet bgs) and native soils (samples collected outside of excavated areas and depths greater than 5 feet bgs). All CAM 17 metals were detected in at least one or more samples. The most prevalent metals detected were arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc, which were detected in all 12 soil samples. Concentrations of metals

were generally observed to be higher in samples collected from shallower depths and lower in samples collected from deeper depths. For example, chromium and lead were detected in boring SB-26 at concentrations of 130 and 240 mg/kg, respectively at a depth of 4-feet bgs, and at a concentration of 53 and 34 mg/kg, respectively in the sample collected at 10 feet bgs

CAM 17 metal concentrations were compared with regional background metal concentrations to differentiate between metal concentrations present in samples due to ambient conditions and those present as a result of site-related activities. Background metal concentrations were obtained from data presented in the Soil Management Plan prepared as part of the Lawrence Berkeley National Laboratory (LBNL) Environmental Restoration Program (LBNL, 2006). Of the compounds detected in samples at the Site, beryllium, chromium, copper, lead, mercury, selenium, thallium, vanadium, and zinc were reported at concentrations in excess of the background levels published by LBNL. In addition, those metals which were detected above their background levels appear confined to five samples, three of which were collected at a depth of less than 6 feet bgs. The two remaining samples were collected at 10 feet. However, both samples were collected within backfill associated with the removal of the USTs. Therefore, the five samples that exceed the LBNL background levels are most likely due to imported fill and not due to Site-related activities.

A complete list of analytical results for metal concentration in soil samples along with the LBNL background levels can be found in Table 5.

5.3.4 Groundwater Analytical Results

Grab groundwater samples were collected from 24 borings and analyzed for VOCs, TPHg, and BTEX using EPA Method 8260B. In addition, select samples were also analyzed for TPHd using EPA Method 8015M with silica gel cleanup.

The nine monitoring wells located on the Site were also sampled as part of this investigation. Groundwater samples were analyzed for TPHd, VOCs, TPHg, BTEX, fuel oxygenates, dissolved lead, and geochemical indicator parameters. Groundwater sample results are presented in Table 6 and shown on Figures 12 and 13. Laboratory chemical analysis reports are included in Appendix E.

Former Three 10,000-Gallon USTs Area

Five grab groundwater samples were collected from the area of former three 10,000-Gallon USTs. Groundwater underlying and south-southwest of the former USTs is impacted with TPHg, BTEX, and TPHd. In addition, a low concentration (2.1ug/L) of trichloroethene (TCE) was reported in the sample from boring SB-9 (Figure 13). The source of the TCE is unknown, however its presence in this sample may be due to lab error or related to an off-site source. The highest concentrations of TPHg, BTEX, and TPHd were reported in samples collected from within the warehouse, which is located south-southwest of

the tank area (Figure 12). Higher concentrations of TPHg, BTEX, and TPHd in samples collected downgradient of the UST area suggest that excavation of the source area during the removal of the USTs was effective in reducing the source of contaminants to groundwater.

TPHd and toluene were also reported in samples collected from boring SB-6 at concentrations of 110 ug/L, and 0.52 ug/L, respectively. In addition MTBE was reported in boring SB-37 (primary and duplicate sample) at concentrations of 9.1ug/L and 11 ug/L, respectively. Borings SB-6 and SB-37 are located along the eastern Site boundary (Figure 12). The Oakland Truck Stop site is located immediately adjacent to and east of the Site. Soil borings SB-6 and SB-37 are located hydrologically downgradient of the Oakland Truck Stop site. The presence of TPHd, toluene, and MTBE reported in samples collected from these borings is interpreted to be associated with releases from the Oakland Truck Stop site.

Former 550-Gallon Gasoline UST Area

Two grab groundwater samples were collected from the area of the former 550-Gallon Gasoline UST. Groundwater in the vicinity of the UST is impacted with TPHg, TPHd, and BTEX. Grab groundwater samples collected from outside the excavated area (SB-12) had higher concentrations of all three compounds than the sample collected from within the excavated area (MW-4). However, due to the presence of suspended sediments in grab groundwater samples, concentrations of contaminants in these samples are interpreted to be biased high. This suggests source removal in the immediate vicinity of the UST has been effective in reducing dissolved impacts to groundwater. Figure 12 presents the TPHg, TPHd, and BTEX results for groundwater samples.

Parking Lot Area

Eleven grab groundwater samples were collected from the Parking Lot Area. Groundwater underlying the Parking Lot Area is primarily impacted by CVOCs with relatively low concentrations of BTEX and TPHd. Elevated concentrations of 1,1,1-TCA and its daughter products 1,1-DCA, 1,1-DCE, cis 1,2-DCE, chloroethane, vinyl chloride (CVOCs) are present in groundwater underlying the Parking Lot Area (Figure 13). The highest concentrations of CVOCs were detected in samples collected along the eastern portion of the parking lot near well MW-8. Elevated concentrations of CVOCs were detected in samples collected to the west of well MW-8. However, concentrations of all compounds appear to diminish near the eastern and northern perimeters of the parking lot. Concentrations for all CVOCs were not detected in the groundwater sample collected north of well MW-3 (SB-34) near the fence and in the sample collected immediately west of the Site (Figure 13).

The source of the CVOCs is interpreted to be associated with releases of 1,1,1-TCA from the mineral spirits/1,1,1-TCA UST. CVOCs have migrated from the UST area to the Parking Lot Area. Petroleum compounds are generally heavier and less mobile and therefore, are not expected to migrate in the same manner as CVOCs. The absence of significant concentrations of petroleum hydrocarbons in the parking

lot area has resulted in slower bio-degradation of the CVOCs. However, the presence of 1,1,1-TCA and its daughter products suggests that reductive dechlorination is occurring downgradient of the mineral spirits/1,1,1-TCA UST source area within the Parking Lot Area (Figure 13). A more detailed discussion of natural attenuation and reductive dechlorination at the Site is presented in section 5.3.6.

Former 8,000-Gallon Mineral Spirits/1,1,1-TCA UST Area

Three grab groundwater samples were collected from the former 8,000-Gallon Mineral Spirits/TCA UST Area. Groundwater underlying the former UST area is impacted with TPHg, BTEX, and TPHd. The highest concentrations of TPHd were reported in sample SB-26 collected near the production area located west and downgradient of the UST. Previous investigations have reported the presence of CVOCs in the immediate vicinity of the UST. As previously discussed the UST was initially used for the storage of mineral spirits and later for 1,1,1-TCA. The presence of TPHg, TPHd, and BTEX and absence of CVOCs reported during this investigation suggest that a release of mineral spirits has occurred followed later by a release of 1,1,1-TCA. Bio-degradation of 1,1,1-TCA and other CVOCs appears to be occurring related to the presence of petroleum hydrocarbons in the source area.

Former 10,000-Gallon Diesel UST Area

Three grab groundwater samples were collected from the former 10,000-Gallon Diesel UST Area. Groundwater underlying the area of the former UST is impacted with TPHd, toluene, and xylene. The highest concentrations of TPHd were reported in samples collected from well MW-1 located to the south of the former UST. Concentrations of TPHd show a marked reduction in samples collected to the northwest of the UST area. Concentrations of TPHd were reported in the sample collected from well MW-7 so it is likely that TPHd is present in groundwater west of the well. However, concentrations of TPHd in all samples were generally low (less than 500 µg/l, Figure 12).

Dissolved Lead

Lead was reported in groundwater samples obtained from well MW-4 during the March 1993 and December 1994 monitoring events at concentrations of 59 and 86 ug/L, respectively. During this sampling event, none of the samples collected from monitoring wells MW-1 through MW-9 had concentrations of dissolved lead above the laboratory's reporting limit of 5 ug/L. The presence of lead reported in previous samples collected in 1993 and 1994 may be the result of suspended sediments present in the samples.

5.3.5 Natural Attenuation Monitoring

In addition to the analyses described above, groundwater samples collected from all nine monitoring wells were analyzed for geochemical parameters for the purpose of providing evidence documenting the natural attenuation of CVOCs and petroleum hydrocarbons that remain in Site groundwater.

Natural attenuation is the process whereby natural processes, which include biodegradation, dispersion, dilution, volatilization, hydrolysis, and sorption, result in the reduction of constituents of concern. For petroleum hydrocarbons and CVOCs, biodegradation is considered to be the primary mechanism by which the solute mass is removed. Two lines of evidence were used to evaluate whether natural attenuation processes are effectively remediating the chlorinated VOC plume. The two lines of evidence include:

- Documented reduction of contaminant mass at the Site. This is determined by monitoring for breakdown of released chlorinated hydrocarbons, and/or accumulation of by-products of degradation; and
- Presence and distribution of geochemical and biochemical indicators of natural attenuation.

5.3.5.1 Trends of Individual VOC Data

First lines of evidence of natural attenuation processes include the documented reduction of contaminant mass at the site. This is determined by monitoring for the breakdown of released VOCs, and/or accumulation of by-products of degradation. For this assessment, groundwater results collected by SGI during the October 2007 investigation were compared to historical groundwater results collected by BSK. Historical groundwater data was available from March 1993 through July 2006 for wells MW-1 through MW-4. Well MW-2R was installed to replace well MW-2 in August 2006 due to damage sustained to the wellhead. Well MW-2R is located adjacent to the location of former well MW-2 and is screened at approximately the same interval. Therefore, current data from well MW-2R was used with historical data obtained from well MW-2 for this evaluation. In addition to well MW-2R, wells MW-5 through MW-9 were also installed in August 2006. Therefore, historical data for wells MW-5 through MW-9 is comprised of data collected following the installation of the wells in August 2006 and data collected during this investigation. Historical groundwater quality data is included in Appendix A.

Historical groundwater data indicates that VOC concentrations in groundwater underlying the Site have steadily decreased since monitoring began in 1993. Data from monitoring well MW-2 indicate that VOC concentrations have generally declined since monitoring was initiated in March 1993. Concentrations of both vinyl chloride and 1,1,1-TCA decreased in well MW-2 from a high of 6.7ug/L reported during the March 1993 sampling event to 0.8 ug/L reported during the June 1994 sampling event. Since the September 1994 sampling event, concentrations of both compounds have remained below laboratory reporting limits. Chloroethane was detected at an historical high concentration of 5 ug/L during the March 1993 sampling event in well MW-2 but concentrations have declined steadily during the eight

subsequent sampling events. Since the September 1995 sampling event, concentrations of chloroethane in well MW-2 have remained below laboratory reporting limits. Additional reductions in chlorinated VOC concentrations were also observed in the three other wells (MW-1, MW-3, and MW-4). Concentrations of chloroethane, 1,1-DCA, 1,1-DCE, 1,1,1-TCA, vinyl chloride, isopropylbenzene, and n-propylbenzene were reported in at least one sample collected from these wells since monitoring began in March 1993. However, during the last sampling event, none of the compounds were detected above laboratory reporting limits.

For the remaining wells (MW-5 through MW-9) that were sampled for the first time in August 2006, a reduction in concentrations of TPHg, BTEX, VOCs, and TPHd was observed during the last sampling event (October 2007). Concentrations of BTEX in samples collected from wells MW-5 through MW-8 were below detectable limits during the last sampling event. Benzene concentrations in well MW-9 declined from a high of 250 ug/L in August 2006 to 89 ug/L in October 2007. In addition, concentrations of TPHg declined from a high of 7,400 ug/L in well MW-9 during the August 2006 sampling event to 1,300 ug/L for the October 2007 sampling event.

Of the constituents detected in groundwater collected during the October 2007 sampling event, only 1,1-DCA, 1,1-DCE, and vinyl chloride were detected at concentrations above historic concentrations. All elevated concentrations were detected in groundwater samples collected from wells located in the Parking Lot Area. The elevated concentrations of 1,1-DCA, 1,1-DCE, and vinyl chloride in groundwater underlying the Parking Lot Area are most likely the daughter products associated with the reductive dechlorination of 1,1,1-TCA.

5.3.5.2 Geochemical Data

Secondary lines of evidence indicating the occurrence of ongoing plume reduction through natural means involves the testing of a select group of geochemical indicators. These geochemical indicators provide evidence of microbial biodegradation of hydrocarbons. Geochemical indicator parameters include general environmental parameters, electron acceptor/donor constituents, and by-products of these constituents that may be generated in the subsurface as a consequence of microbiological activity. The following geochemical parameters were measured in the groundwater samples:

- Alkalinity;
- Dissolved Manganese;
- Dissolved Oxygen;
- Nitrate;
- Sulfate;
- Ferrous Iron;

- Chloride;
- Groundwater Temperature;
- PH;
- Oxidation-reduction potential (ORP);
- Dissolved Oxygen (DO), and
- Methane, ethane, and ethane.

Field-measured geochemical parameters (DO, ORP, pH, and temperature) collected on October 24 and October 25, 2007 are included on the field sampling logs (Appendix D) and laboratory geochemical parameters are summarized in Table 7.

Geochemical indicator parameters were collected from wells MW-1, MW-2R, and wells MW-3 through MW-9. Well MW-4 did not have detections of any compounds above laboratory reporting limits. Therefore, geochemical data obtained from the samples collected from well MW-4 was used as the background or "control" sample for this evaluation.

1) Alkalinity

An elevated level of alkalinity within a contaminant plume can serve as an indicator of increased microbial activity. Total alkalinity levels ranged from 330,000 to 960,000 milligrams per liter (mg/L). Elevated concentrations of total alkalinity may indicate the presence of microbial activity. Compared to the value of 350,000 mg/L reported in the control sample, samples collected during the October 2007 sampling generally show elevated alkalinity levels, suggesting the presence of microbial activity.

2) Dissolved Manganese

Dissolved manganese is a potential by-product resulting from the dissolution or desorption of manganese from the aquifer matrix material under anaerobic biological conditions. Elevated dissolved manganese concentrations within a contaminant plume can serve as an indirect indicator of increased microbial activity. Dissolved manganese levels in groundwater ranged from 340 to 3,900 mg/L. Compared to the reported value of 1,700 mg/L in the control sample, samples from four of the wells showed elevated levels of dissolved manganese, suggesting the presence of microbial activity.

3) Dissolved Oxygen

Dissolved oxygen (DO) is an important parameter for evaluation of natural attenuation. DO is the most thermodynamically favored parameter affected by microbial activity in groundwater. Therefore, DO is typically the first electron acceptor for anaerobic biodegradation. At DO concentrations below 0.5 mg/L, anaerobic conditions that support reductive dechlorination will predominate, and aerobic metabolic

pathways will subside. At DO concentrations above 1.0 mg/L, microbial reductive dechlorination via anaerobic biodegradation is unlikely to occur, although other metabolic pathways may transform chlorinated hydrocarbon contamination. Five of the wells (MW-2R, MW-5, MW-7, MW-8, and MW-9) had DO concentrations below 1.0 mg/L. The remaining three wells (not including the control sample) had DO concentrations above 1.0 mg/L. However, all three wells in which DO concentrations were above 1 mg/L were located in areas unimpacted with CVOCs. The DO levels observed in the areas of the five wells suggest that anaerobic biodegradation is occurring.

4) Nitrate

Once dissolved oxygen is depleted in groundwater, nitrate is typically the next compound to be an electron acceptor for anaerobic biodegradation of organic compounds. However, for reductive dechlorination to occur using nitrate as the electron acceptor, the nitrate concentrations in groundwater must be less than 1 mg/L. All groundwater samples reported had concentrations of nitrate below the laboratory reporting limits. This suggests that microbial reductive dechlorination of CVOCs may be supported by the current nitrate conditions.

5) Sulfate

After dissolved oxygen and nitrate are depleted in groundwater, sulfate is typically the next compound to be used as an electron acceptor by microbes to continue anaerobic biodegradation of organic compounds. This process is termed sulfate reduction. In general, concentrations of sulfate of 20 mg/L or less are considered favorable for reductive dechlorination using sulfate as the electron acceptor, although there is some evidence that reductive dechlorination will occur at higher sulfate concentrations. Concentrations of sulfate in groundwater samples were below laboratory detectable limits. These levels suggest that microbial reductive dechlorination of CVOCs may be supported by current sulfate conditions.

6) Ferrous Iron (Fe⁺²)

In some cases, ferric iron (Fe⁺³) is used as an electron acceptor during biological transformation of organic compounds. During this process, ferric iron (Fe⁺³) is reduced to ferrous iron (Fe⁺²), which is more soluble in water. The presence of ferrous iron at concentrations of greater than 1 mg/L can serve as an indicator that anaerobic microbial respiration is occurring. All samples reported ferrous iron concentrations in excess of 1 mg/L. These levels suggest that microbial reductive dechlorination of CVOCs may be supported by current ferrous iron conditions.

7) Chloride

Chloride is released to groundwater as biodegradation of dissolved CVOCs progresses. Elevated chloride concentrations within the dissolved contaminant plume can serve as an indicator of the

degradation of chlorinated contaminants. Chloride concentrations ranged from 69,000 to 250,000 mg/L in samples collected. Compared to the reported value of 21,000 mg/L in the control sample, groundwater collected from the wells show elevated levels of chloride, suggesting the occurrence of natural attenuation via reductive dechlorination

8) Groundwater Temperature

Groundwater temperature affects the solubility of dissolved gases and the rate of microbial metabolic activity. At temperatures greater than 20°C, biochemical processes are generally accelerated. Groundwater temperatures in groundwater monitoring wells ranged from 18.59°C to 25.21°C. These temperatures are within the range considered conducive to microbial degradation of hydrocarbons.

9) pH

The negative logarithm of the hydrogen ion concentration is defined as pH and indicates when a solution is acidic, neutral, or basic. Groundwater pH can both effect, and be affected by, microbial activity in the subsurface. Groundwater pH values between 6 to 8 are accepted as optimal for microbial activity. Groundwater pH in wells ranged from 6.25 to 7.75. Based on these measurements, the pH of the groundwater would not be expected to have an adverse effect on microbial activity at the Site.

10) Oxidation-reduction potential (ORP)

ORP is a measure of the electron activity and provides an indication of the relative tendency of solute species to either accept or lose electrons in the groundwater environment. Low or negative ORP measurements are indicative of an anaerobic environment, while high or positive ORP measurements are indicative of an aerobic environment. Under either aerobic or anaerobic conditions, the ORP of groundwater within the contaminant plume should be less than that measured outside the plume. An ORP measurement of less than 50 millivolts (mV) would indicate that reductive dechlorination of CVOCs is possible. All groundwater monitoring wells had measured ORP readings less than 50 mV, except for well MW-6.

11) Methane, Ethane, and Ethene

Methane production occurs following the depletion of oxygen, nitrate, and sulfate in the groundwater plume. Methanogenesis occurs when naturally occurring methanotrophic microorganisms begin to use simple organic compounds or dissolved hydrogen. Ethane and ethene are produced from reductive dechlorination of chloroethane and vinyl chloride. These compounds are generally found at low concentrations and do not occur unless microbes in groundwater are under highly reduced conditions. Generally, methane concentrations of <1 mg/L, and ethane and ethene concentrations of <0.1 mg/L favor the reductive dechlorination of vinyl chloride. Eight of the nine samples collected reported methane concentrations in excess of 1 mg/L, which could promote the accumulation of vinyl chloride. However,

vinyl chloride was only detected in one well, MW-3, at a concentration of 7.5 ug/L. The high concentration of methane in groundwater samples collected from the well along with the presence of vinyl chloride suggests that addition carbon substrates may be necessary to completely reduce vinyl chloride to ethene.

Conclusions

Review of the current and historical chemical monitoring data indicates that VOC concentrations have remained steady and/or decreased in the source areas and downgradient wells. This data is consistent with previous conclusions that 1,1,1-TCA source contaminants are degrading in the Site subsurface producing later stage degradation products (i.e., 1,1- DCA, chloroethane, and vinyl chloride) and resulting in lower concentrations (See Appendix A for a complete summary of chemical data).

Overall, data collected and evaluated indicate conditions are favorable for the reductive dechlorination process to have an effect on the Site plume. Primary indicators, such as elevated chloride concentrations and an overall decrease in VOC concentrations, suggest that the process has already had a significant effect, and that VOC reduction by natural attenuation will continue into the future.

5.4 Quality Assurance/Quality Control

The analytical laboratory data was reviewed by SGI to establish its validity and to ensure the laboratory data was complete and accurate. SGI verified that holding times for each analytical method were achieved and that the laboratory achieved the specific data quality objectives for each selected analytical method. A review of the data validation process indicates that the laboratories completed all QA/QC activities required for the samples such as blanks, lab control samples, matrix spikes, and duplicates. Minor QA/QC issues, which are common for these analyses, are noted in the laboratory reports presented in Appendix E. The QA/QC parameters for the samples were within acceptable limits and suggest that the data is useful for its intended purpose.

6.0 CONCEPTUAL SITE MODEL

In order to meet the requirements for a “risk-based” closure, a conceptual understanding of the Site was developed to identify potential exposure pathways and human receptors. In order to develop a conceptual understanding for the Site, information regarding potential chemical sources, chemical release and transport mechanisms, locations of potentially exposed human receptors, and potential exposure routes are assessed. The conceptual Site model (CSM) associates sources of chemicals with potentially exposed human receptors and associated complete exposure pathways.

As defined by USEPA (1989), all of the following four components are necessary for a chemical exposure pathway to be considered complete and for chemical exposure to occur:

- A chemical source and a mechanism of chemical release to the environment;
- An environmental transport medium (e.g., soil) for the released chemical;
- A point of contact between the contaminated medium and the receptor (i.e., the exposure point); and
- An exposure route (e.g., dermal contact with chemically-impacted soils and groundwater) at the exposure point.

The following sections describe these components and provide a basis for the CSM.

6.1.1 Initial Characterization of Potential Source Areas

The first component necessary for an exposure pathway to be complete, chemical sources at the Site are discussed in this section. An iron foundry has operated on the Site for approximately 77 years. Business activities include the manufacture of cast pipe and fittings. The facility accepts scrap iron and steel, which it stockpiles on-site, and uses during manufacturing activities. The Site encompasses an area of approximately 11.8 acres. Previously, seven USTs have been located on-site. These USTs included two 8,000-gallon USTs used for storing unleaded gasoline and 1,1,1-TCA, a 550-gallon UST used for storing regular leaded gasoline, a 10,000-gallon UST used for storing diesel, and three 10,000 gallon-USTs used for storing gasoline.

Investigations have identified TPH, PAHs, and VOC-affected soil and TPH and VOC-affected groundwater (chemicals of interest (COI)). Therefore, the CSM focuses on TPH, PAHs, and VOCs and their potential to migrate into soil, groundwater, and surface water. Potential contact to COIs from the Site could occur via exposure to soil, soil gas, groundwater, and/or indoor air.

6.1.2 Chemical Release Mechanisms and Identification of Transport Media

In this section, the first two components necessary for a complete exposure pathway are addressed. Chemical properties of the COIs and the physical characteristics of the Site were reviewed to identify factors that might allow the release and transport of a chemical from the soil, soil gas, or groundwater.

Release of chemicals can potentially occur through volatilization, wind and/or mechanical erosion (i.e., during construction), migration of chemicals into the groundwater, or lateral migration of chemicals in soil gas and groundwater. These types of releases may result in chemical vapor or dust (with sorbed chemicals) emissions in air, or the movement of chemicals downward into groundwater with infiltrating rain water (i.e., leaching from soil). These potential release mechanisms are discussed in more detail below.

Volatilization of Chemical Vapors

As previously indicated, many of the COIs are VOCs. These chemicals typically have a low organic-carbon partition coefficient (K_{oc}), a low molecular weight, and a high Henry's Law constant, indicating that these chemicals may volatilize. Therefore, volatilization of VOCs was evaluated in this assessment.

Emission of Fugitive Dust

Some of the COIs (i.e., metals in soil) adsorb readily to dust particles. Chemicals adsorbed to soil particles can be blown into the air. This is referred to as fugitive dust. Exposure to metals in soil via fugitive dust emissions was evaluated in this assessment.

Leaching and Lateral Transport of Chemicals in the Vadose Zone

The evaluation of chemical concentrations in soil for groundwater protection (soil leaching) is designed to address the potential leaching of chemicals from vadose zone soils and their subsequent impact on groundwater (CRWQCB, 2007). In general, the application for modeling the downward migration of leachate in the vadose zone assumes a layer of clean soil overlying clean groundwater. Chemicals detected in the vadose zone at the Site are limited to onsite areas, and as outlined in section 5.3.2, the majority of source areas were removed during excavation activities associated with the removal of the former USTs. In addition, the highest concentrations of TPH and VOCs in soil are located within the saturated zone (Figures 4, 5, 12, and 13). Therefore, the saturated zone and groundwater beneath the Site are already impacted.

Based on the following reasons the leaching of contaminants in the vadose zone into groundwater was not considered a significant exposure pathway and was not evaluated in this assessment:

- Limited VOC contamination mass in the vadose zone of the onsite areas;

- Limited VOC concentrations detected in soil gas within the vadose zone; and
- Greater lateral extent of VOC concentrations in the saturated zone.

6.1.3 Potentially Exposed Receptors

The third component necessary for an exposure pathway to be complete, human receptors, is presented in this section. Hypothetical human receptors identified for evaluation in this assessment were identified on the basis of proximity to the Site, proposed activities that could possibly result in direct or indirect contact with Site-related contaminants, current and future Site use (i.e., the Site is zoned commercial/industrial and is expected to remain commercial/industrial). None of the Site or adjoining properties have current resident receptors or zoning consistent with residential development, nor is any residential development anticipated. The Site has operated as a foundry for the last 77 years. The Site and surrounding areas are currently zoned for commercial/industrial use and they are expected to remain as such in the future. Therefore, the following human receptors were evaluated in this assessment:

- Hypothetical Onsite Outdoor Commercial/Industrial Worker Receptor (current exposure scenario);
- Hypothetical Onsite Indoor Commercial/Industrial Worker Receptor (current exposure scenario); and
- Hypothetical Onsite Outdoor Construction Worker Receptor (future exposure scenario)

6.1.4 Exposure Pathways Considered Potentially Complete and Significant

In this section, a complete exposure pathway (i.e., route of exposure) is discussed in combination with the other components (i.e., presence of receptors) to define those exposure pathways considered to be complete and significant. As indicated in section 6.1.2, potential contact to COIs from the Site could occur via exposure to soil, soil gas, groundwater, and/or indoor air. Because no active domestic water supply wells pumping from the shallow aquifer zone for beneficial use within a 1-mile radius of the Site have been identified, exposure pathways associated with the domestic use of groundwater were not considered complete and therefore were not included in this assessment.

Current exposure routes identified include the inhalation of indoor and outdoor vapors originating from subsurface soil and groundwater. The current exposure scenario does not include groundwater or soil ingestion or dermal contact since the entire Site is covered with asphalt, concrete, and buildings and therefore soil and groundwater contaminants underlying the Site are not accessible. There is no evidence that vertical migration has occurred to depths which could affect deeper aquifers, which may or may not be more suitable for potable and nonpotable purposes. Future exposure scenarios include, in addition to the inhalation of outdoor vapors originating from subsurface soil and groundwater, dermal contact and ingestion of affected soil. The following sections briefly describe each of the hypothetical

receptors and summarize those pathways considered complete and potentially significant for each receptor.

6.1.4.1 Hypothetical Outdoor Commercial/Industrial Worker Receptor (current exposure)

The hypothetical outdoor commercial/industrial worker receptor is a long-term receptor (i.e., 7 years to a lifetime [USEPA, 1989]). This receptor is a full-time employee that is assumed to spend 250 days per year at work (i.e., 5 days per week, 50 weeks per year [2 weeks per year are assumed to be spent away from the Site]). The exposure duration for this receptor is 25 years. This receptor spends the workday conducting outdoor maintenance activities. As defined by the USEPA, the work-related activities may include moderate soil invasive activities (i.e., digging and landscaping) in surface or near surface soils (0 to 3 ft-bgs). Because this receptor is not expected to be working in buildings, inhaling chemical vapors while indoors was not considered a complete and significant exposure pathway. The hypothetical indoor commercial/industrial worker receptor was included to evaluate the indoor air exposure pathway.

Potential exposures for this receptor are expected to occur from working outdoors only. As stated above, because the Site is currently covered by asphalt, concrete, and buildings, and is expected to remain as such in the future, ingestion and dermal contact of soil and groundwater was not considered a significant and complete exposure pathway for this receptor.

The exposure pathways assumed to be complete and significant for the hypothetical outdoor commercial/industrial worker receptor include:

- Inhalation of vapors in outdoor air volatilizing from the subsurface.

6.1.4.2 Hypothetical Indoor Commercial/Industrial Worker Receptor (current exposure)

The hypothetical indoor commercial/industrial worker receptor is a long-term receptor (i.e., 7 years to a lifetime [USEPA, 1989]). Similar to the outdoor commercial/industrial worker, this receptor is assumed to represent a full-time employee that spends 250 days per year at work (i.e., 5 days per week, 50 weeks per year [2 weeks per year are assumed to be spent away from the Site]). The exposure duration for this receptor is 25 years. This receptor spends the workday indoors performing light office duties and has limited to no direct contact with outdoor soils. Although inhalation of outdoor air may be complete, outdoor air concentrations are typically lower than indoor air concentrations due to dispersion; such relatively minor exposures are subsumed by the assumption that all exposure is from indoor air.

The exposure pathways assumed to be complete and significant for the hypothetical indoor commercial/industrial worker receptor include:

- Inhalation of vapors in indoor air volatilizing from the subsurface.

6.1.4.3 Hypothetical Outdoor Construction Worker Receptor (future exposure)

The hypothetical outdoor construction worker receptor, similar to the outdoor commercial/industrial worker, is also assumed to be a long-term receptor (i.e., 7 years to a lifetime [USEPA, 1989]). This receptor is a full-time employee that is assumed to spend 250 days per year at work (i.e., 5 days per week, 50 weeks per year [2 weeks per year are assumed to be spent away from the Site]). The exposure duration for this receptor is 25 years. This receptor spends the workday conducting outdoor maintenance activities. The work-related activities may include moderate soil invasive activities (i.e., digging and landscaping) in surface or near surface soils (0 to 3 ft-bgs). Because this receptor is not expected to be working in buildings, inhaling chemical vapors while indoors was not considered a complete and significant exposure pathway.

Potential exposures for this receptor are expected to occur from working outdoors only. Depth to groundwater at the Site ranges from 4 to 9 feet bgs. It is assumed that during any construction activities, appropriate soil and groundwater management and personal protective equipment (PPE) will be utilized to prevent exposure to impacted soil and groundwater. Dermal contact and ingestion of groundwater would be expected to be incidental and therefore is not considered a complete and significant exposure pathway for this receptor. It was also assumed that upon completion of any construction activities, any paved areas that were removed would be repaved.

The exposure pathways assumed to be complete and significant for the hypothetical outdoor construction worker receptor include:

- Ingestion of soil;
- Dermal contact with soil; and
- Inhalation of dusts/vapors in outdoor air generated from soil and groundwater.

7.0 TIER 1 SCREENING-LEVEL RISK EVALUATION

A screening level risk assessment (SLRE) can be conducted to provide a basis for evaluating whether action is warranted to mitigate potential health effects from exposure to contaminants in soil or soil gas at any of the five areas. Based on the exposure pathways and receptors identified in the CSM, appropriate ESLs were selected for this SLRE.

The assessment focuses solely on those chemicals that are expected to account for the majority of the estimated health impacts at the Site. In the USEPA (1989) paradigm, these are known as COPCs. Under the Tier 1 SLRE, a chemical was identified as a COPC if the following conditions applied:

- A maximum detected concentration exceeding relevant background (ambient) concentration for metals only. Both USEPA (1989) and CalEPA (1992) recommend that metals detected at background (ambient) levels should be eliminated as potential COPCs at a site; and
- A maximum detected concentration exceeded applicable risk-based CRWQCB ESLs.

These conditions are discussed in more detail in the following sections.

7.1 Background/Ambient Concentrations

CalEPA (1992) recommends that metals detected at background (ambient) levels not be identified as COPCs at a site. Background metal concentrations were obtained from data presented in the Soil Management Plan prepared as part of the Lawrence Berkeley National Laboratory (LBNL) Environmental Restoration Program (LBNL, 2006). A complete list of analytical results for metal concentration in soil samples along with the LBNL background levels can be found in Table 5.

Based on the comparison with background, the following metals were identified as present at background/ambient levels:

- Antimony;
- Arsenic;
- Barium;
- Cadmium
- Cobalt
- Molybdenum;

- Nickel; and
- Silver

7.1.1 Risk-Based Environmental Screening Levels

For this SLRE, ESLs developed by the CRWQCB were used exclusively (CRWQCB, 2007). The ESLs were developed for soil gas, soil, and groundwater for chemicals commonly found at sites impacted by releases of hazardous substances. The ESLs are presented in the document titled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final - November 2007 (CRWQCB, 2007).

The CRWQCB-SF ESLs include a broad scope of screening levels, some of which are not strictly risk-based. The risk-based ESLs correspond to an excess cancer risk of 1×10^{-6} or a hazard quotient of 0.2, based on standardized equations (CRWQCB, 2007) that combine exposure assumptions with agency-derived toxicity data. The risk-based ESLs are developed for direct contact with soil exposure scenarios (i.e., ingestion, dermal contact, and inhalation of dust/vapor in outdoor air) and indoor air exposure scenarios.

The ESLs were developed to address environmental protection goals presented in the Water Quality Control Plan for the San Francisco Bay Basin (RWQCB 2006). These goals include:

Surface Water and Groundwater:

- Protection of drinking water resources;
- Protection of aquatic habitats;
- Protection against vapor intrusion into buildings;
- Protection against adverse nuisance conditions.

Soil:

- Protection of human health (direct-exposure);
- Protection against vapor intrusion into buildings;
- Protection against leaching and subsequent impacts to groundwater;
- Protection of terrestrial biota;
- Protection against adverse nuisance conditions.

The RWQCB's ESL document includes an approach that presents target screening levels for use in assessing whether a more detailed site-specific risk assessment and/or site remediation is warranted. ESL concentrations are based on exposure pathways (e.g., ingestion, dermal contact with soil and inhalation) for specific land-use conditions, including impacts to groundwater and ecological receptors.

The soil ESLs for groundwater protection (soil leaching) were developed to address potential leaching of chemicals from vadose zone soils and subsequent impact on groundwater. Soil impacts are limited to the onsite areas. Therefore, any leaching potential from the vadose zone into groundwater is limited to the onsite areas. However, the greater lateral extent and highest concentrations of the VOCs in soil lie within the saturated zone (Figures 4, 5, 12, and 13). Therefore, the saturated zone and groundwater beneath the Site are already impacted. Due to minimal VOC mass in the vadose zone and greater VOC mass in the saturated zone, ESLs for the protection against leaching into groundwater were not relevant to this SLRE.

The urban area ecotoxicity criteria provided in the ESL document were intended for the protection of terrestrial biota under various land use scenarios, including residential, agricultural, and parkland. The Site is zoned commercial/industrial and includes industrial facilities, office buildings, streets, and parking lots (Section 2.1). It is very unlikely that these areas support any relevant terrestrial habitat. Therefore, the urban area ecotoxicity criteria are not applicable to this SLRE.

As indicated previously in Section 2.2, there are no known active domestic water supply wells pumping from shallow aquifers for beneficial use within a 1-mile radius of the Site. For the reasons outlined in Section 2.2, ESLs for the protection of drinking water resources were not applicable to this SLRE.

The nearest surface water body is Elmhurst Creek, which bounds the southern edge of the Site. Elmhurst Creek is channeled through urban areas and drains stormwater toward San Leandro Bay (approximately 1 mile from the Site). The nearest wildlife refuge (Don Edwards) is approximately 30 miles southeast of the Site. There is no evidence of interaction between contaminants in groundwater and regional surface water features, due to the distance from the Site to the point of potential interception. Therefore, aquatic habitat goals are not applicable to this SLRE.

For this SLRE, the risk-based CRWQCB ESLs (CRWQCB, 2007) were used exclusively. These ESLs represent conservative screening values below which adverse effects on human health are not expected to occur. The ESLs are currently available for the indoor commercial/industrial worker receptor potentially exposed to chemicals via inhalation of vapor in indoor air exposure pathways, and for the outdoor commercial/industrial and outdoor construction worker receptor potentially exposed to chemicals via direct contact exposure pathways. The soil gas, soil, and groundwater screening levels used in this SLRE are summarized in Tables 2 through 5 and Table 6, respectively.

7.2 Results of the Screening-Level Risk Evaluation

This section summarizes the SLRE results for the Site. COPCs were identified in each media and for each area on the Site. The results are discussed by media/receptor below.

7.2.1 Chemicals of Potential Concern in Soil

This section summarizes the COPCs identified for each of the potential human receptors evaluated. Soil COPCs were identified by a sample-by-sample comparison between detected concentrations in soil and CRWQCB ESLs.

7.2.1.1 Hypothetical Outdoor Commercial/Industrial Worker Receptor

This section describes the COPCs in soil for the hypothetical outdoor commercial/industrial worker exposure scenario by area on the Site. The complete exposure pathways for this receptor include the inhalation of vapors in outdoor air volatilizing from the subsurface.

Outdoor air concentrations are typically lower than indoor air concentrations due to dispersion; such relatively minor exposures are subsumed by the assumption that all exposure is from indoor air. In addition, all outdoor areas are paved with asphalt and concrete. Therefore, inhalation of vapors in outdoor air from the volatilizing of contaminated soil is not expected to be a significant and complete exposure scenario.

7.2.1.2 Hypothetical Indoor Commercial/Industrial Worker Receptor

The only complete and significant exposure pathway for the indoor commercial/industrial worker is inhalation of vapors in indoor air volatilizing from the subsurface. This exposure pathway will be evaluated using soil gas data, which assumes potential contaminants volatilizing from the subsurface soil and groundwater will be detected in soil gas. The California Environmental Protection Agency Department of Toxic Substance Control (DTSC) discourages use of soil data when evaluating the vapor intrusion pathway, and instead recommends use of soil gas data for assessment of the indoor air pathway (CalEPA, 2005). Of the seven soil gas samples that reported concentrations of either PCE, chloroethane, or BTEX constituents, none had concentrations in excess of their respective residential or commercial-use scenario ESLs. Therefore, vapor intrusion into indoor air is not considered a significant exposure scenario.

7.2.1.3 Hypothetical Outdoor Construction Worker Receptor

This section describes the COPCs in soil for the hypothetical outdoor construction worker exposure scenario by area on the Site. The complete exposure pathways for this receptor include direct contact

with soil (e.g., ingestion, dermal contact, and inhalation of dust/vapor in outdoor air pathways. Soil data was compared with ESLs for the construction worker exposure scenario.

Three Former 10,000-gallon USTs Area

The following COPCs in soil were identified for the hypothetical outdoor construction worker receptor:

- TPHd

Of the 25 soil samples collected in the area of the three former 10,000-gallon USTs, 12 percent of the samples had concentrations that exceeded ESLs for TPHd.

Former 550-gallon Gasoline UST Area

The following COPCs in soil were identified for the hypothetical outdoor construction worker receptor:

- Thallium
- Vanadium

Parking Lot Area

No soil samples were collected in the area of the parking lot.

Former 8,000-gallon 1,1,1-TCA UST Area

The following COPCs in soil were identified for the hypothetical outdoor construction worker receptor:

- Naphthalene
- Benzo[a]anthracene
- Benzo[b]fluoranthene
- Benzo[k]fluoranthene
- Benzo[a]pyrene
- Indeno[1,2,3-cd]pyrene
- Dibenz(a,h)anthracene
- TPHd
- Copper

Of the three soil samples analyzed for PAH compounds in the area of the former 8,000-gallon 1,1,1-TCA UST, one sample had concentrations of at least one PAH compound above its respective ESL. Of the fifteen samples analyzed for TPHd, 20 percent had concentrations of TPHd above its ESL. In addition, 16 percent of the six soil samples analyzed for metals had concentrations of copper above its ESL.

Former 10,000-gallon Diesel UST Area

The following COPCs in soil were identified for the hypothetical outdoor construction worker receptor:

- Lead

7.2.2 Chemicals of Potential Concern in Soil Gas

This section summarizes the COPCs identified for each of the potential human receptors. The soil gas data was collected in all UST areas with the exception of the 10,000 gallon diesel UST area. Therefore, in order to conservatively identify COPCs in soil gas for all areas of the Site, all of the soil gas data was combined into a single data set for use in the SLRE. If a duplicate soil gas sample was available, the maximum concentration detected in either the sample or duplicate sample was included in the soil gas data set for this assessment. Soil gas COPCs were identified by a comparison between maximum detected concentrations in soil gas and appropriate soil gas ESLs for indoor air impacts. This comparison is presented in Table 2.

7.2.2.1 Hypothetical Outdoor Commercial/Industrial Worker Receptor

The inhalation of soil gas vapors in indoor air is not a complete exposure pathway for an outdoor worker; therefore, soil gas is not a media of concern for this receptor.

7.2.2.2 Hypothetical Indoor Commercial/Industrial Worker Receptor

This section describes the COIs in soil gas for the hypothetical indoor commercial/industrial worker exposure scenario within the Site. The only complete and significant exposure pathway for chemicals in soil gas is inhalation of vapors in indoor air. None of the COIs in soil gas were identified for the hypothetical indoor commercial/industrial worker receptor above their respective ESL under either the residential or commercial exposure scenario. Therefore, the current, maximum concentrations of VOCs in soil gas do not exceed the ESL values and do not represent a risk to the hypothetical indoor commercial/industrial worker. Soil gas ESLs are summarized in Table 2.

7.2.2.3 Hypothetical Outdoor Construction Worker Receptor

The inhalation of soil gas vapors in indoor air is not a complete exposure pathway for an outdoor worker; therefore, soil gas is not a media of concern for this receptor.

7.2.3 Chemicals of Potential Concern in Groundwater

This section summarizes the COPCs identified for each of the potential human receptors. During the October/November 2007 investigation, monitoring well and grab groundwater samples were collected. However, due to the presence of suspended sediments in grab groundwater samples, concentrations of contaminants in these samples are biased high. Therefore, only groundwater data from samples collected from monitoring wells are used in this SLRE. Groundwater COPCs were identified by a comparison between maximum detected concentrations in groundwater and appropriate groundwater ESLs.

As mentioned in section 6.1.4, ingestion and dermal contact of groundwater is not considered to be a significant and complete exposure pathway for any of the receptors. However, inhalation of vapors in indoor air generated from contaminant-affected groundwater is considered a significant and complete exposure pathway. Therefore, groundwater ESLs for vapor intrusion to indoor air were used for this SLRE. This comparison is presented in Table 6.

7.2.3.1 Hypothetical Outdoor Commercial/Industrial Worker Receptor

The inhalation of soil gas vapors from groundwater in indoor air is not a complete exposure pathway for an outdoor worker; therefore, soil gas is not a media of concern for this receptor.

7.2.3.2 Hypothetical Indoor Commercial/Industrial Worker Receptor

The only complete and significant exposure pathway for the indoor commercial/industrial worker is inhalation of vapors in indoor air volatilizing from the subsurface. No COPCs were identified for the hypothetical indoor commercial/industrial worker receptor in any of the former UST areas with the exception of the Parking Lot Area.

For the Parking Lot Area the following COPCs in groundwater were identified for the hypothetical indoor commercial/industrial worker receptor:

- 1,1-DCA
- vinyl chloride

Of the four groundwater monitoring well samples collected in the Parking Lot Area, 1,1 DCA and vinyl chloride exceeded their respective ESLs in monitoring wells MW-3 and MW-8, respectively (Figure 13). Monitoring wells MW-3 and MW-8 are located in the parking lot area away from any buildings. Further as discussed in section 7.2.2.2, none of the COIs in soil gas were identified for the hypothetical indoor commercial/industrial worker receptor above their respective ESL under either the residential or commercial exposure scenario. Therefore, vapor intrusion into indoor air is not expected to constitute a significant threat to the hypothetical indoor commercial/industrial worker receptor.

7.2.3.3 Hypothetical Outdoor Construction Worker Receptor

This section describes the COPCs in groundwater for the hypothetical outdoor construction worker exposure scenario by area on the Site. The complete exposure pathways for this receptor include inhalation of vapors in outdoor air volatilizing from the subsurface.

Outdoor air concentrations are typically lower than indoor air concentrations due to dispersion; such relatively minor exposures are subsumed by the assumption that all exposure is from indoor air. Therefore, inhalation of vapors in outdoor air from the volatilizing of contaminated groundwater is not a significant exposure scenario.

7.2.4 Summary of SLRE Results

Human exposures for the SLRE were evaluated assuming that the most likely receptors at the Site, under current and future scenarios, are workers. Exposure routes within these scenarios include the inhalation of vapors from underlying contaminated soil and groundwater (i.e., the current outdoor and indoor commercial/industrial workers operating at the Site) and ingestion, inhalation and dermal contact through direct contact with contaminated media (i.e., the future construction worker scenario). Both the current and future scenarios use the maximum values (i.e., concentrations of TPH and VOCs) for the Site and assume that observed concentrations will not decrease over time, a conservative bias. Groundwater ingestion is not considered in this assessment because contaminated groundwater underlying the Site is not considered suitable for use in the future due to expected limited yield, poor water quality parameters excluding petroleum hydrocarbons and VOCs, and the use of the surrounding area. In addition, there is no evidence that vertical migration has occurred to depths which could affect deeper aquifers, which may be more suitable for potable and non-potable purposes.

Soil gas samples were collected from 10 locations at the Site. Of the ten samples collected, three of the samples did not report concentrations of any VOCs above the laboratory's reporting limits. Of the seven remaining samples, concentrations of chloroethane, BTEX, and PCE were detected. However, none of the VOCs were detected at concentrations in excess of their respective ESLs under either the residential or commercial land-use exposure scenario.

None of the concentrations of TPHg, TPHd, BTEX, and PAHs exceed ESLs for shallow soil under the commercial land use scenario with the exception of the Former Three 10,000-Gallon UST Area and the Mineral Spirits/1,1,1- TCA UST Area. TPHd exceeded its ESL in both of these areas and a number of PAHs exceeded their restive ESLs in one soil (tar material) sample collected from the area of the Mineral Spirits/1,1,1-TCA UST Area.

One or more CAM 17 metals were reported in all soil samples analyzed for this investigation. Concentrations were compared with regional background metal concentrations to differentiate between metal concentrations present in samples due to ambient conditions and those present as a result of site-related activities. Of the metals detected, only beryllium, chromium, copper, lead, mercury, selenium, thallium, vanadium, and zinc were reported at concentrations in excess of their respective background levels. Of these nine metals, only copper, lead, thallium, and vanadium exceeded their respective ESLs (commercial land-use scenario) in three locations.

For groundwater no current TPHg, TPHd, and BTEX concentration exceeds its respective ESL where, as here, groundwater is not considered a current or potential drinking water source. If groundwater were a current or potential drinking water source, the concentration of TPHg, TPHd, and benzene would exceed the RWQCB ESLs.

No CVOCs were detected in soil samples collected as part of this investigation with the exception chloroethane. CVOC-affected groundwater appears to be limited to the area downgradient of the former 8,000 gallon Mineral Spirits/1,1,1- TCA UST and does not extend offsite. The highest concentrations of CVOCs are located in the parking lot area. Review of groundwater monitoring well sampling results indicates that no current CVOC concentration exceeds its respective ESL with the exception of 1,1-DCA and vinyl chloride (located in the Parking Lot Area) where, as here, groundwater is not considered a current or potential drinking water source. If groundwater were a current or potential drinking water source, the concentration of 1,1-DCA, 1,1-DCE, chloroethane, 1,1,1-TCA, and vinyl chloride would exceed the RWQCB ESLs.

ESLs for non-drinking water are based on the protection of vapor intrusion to indoor air. As indicated above, the location of the elevated 1,1-DCA and vinyl chloride concentrations that exceeds ESLs are located in the parking lot area (outdoors) away from any buildings. Further none of the CVOCs in soil gas were identified for the hypothetical indoor commercial/industrial worker receptor above their respective ESL under either the residential or commercial exposure scenario. Therefore, vapor intrusion from groundwater into indoor air is not expected to constitute a significant threat to the hypothetical indoor commercial/industrial worker receptor.

8.0 REGULATORY CRITERIA FOR SOIL AND GROUNDWATER CLEANUP

Regulatory criteria for soil and groundwater cleanup of petroleum and chlorinated VOC release sites have been subject to rethinking by regulators and the regulated community. In the past, maximum contaminant levels (MCLs) for drinking water have been used as the criteria for groundwater remediation of CVOCs and petroleum hydrocarbon compounds. MCLs were used even though at many sites the impacted water bearing zone is not a drinking water source or a likely source due to inadequate yields and other water quality issues (e.g. bacteria, total dissolved solids). Soil cleanup levels are often more site specific but generally are set at levels where concentrations in soil will not cause groundwater quality to exceed MCLs. More recently, the RWQCB's and local implementing agencies have moved toward a risk-based corrective action approach to selecting soil and groundwater cleanup level goals. The risk-based approach recognizes that shallow groundwater will likely never provide a viable drinking water supply and the success and cost of active remedial actions does not always warrant the expense given that the CVOCs and petroleum hydrocarbons are likely to undergo natural degradation with time. Furthermore although active remedial actions may serve to show reduced concentrations of the contaminants with time at the monitored locations, petroleum hydrocarbons and CVOCs remain in the subsurface.

The State Water Resources Control Board's underground tank section has issued a draft resolution that would establish a statewide policy for the elimination of "low-risk" petroleum underground storage tank (UST) sites from further regulatory actions from Regional Boards and local agencies. The use of "risk-based correction action" has been used to assist the RWQCB in determining which sites should be targeted for more aggressive cleanup and, correspondingly, which sites can be left with contamination in-place to degrade naturally.

Using a risk-based approach to corrective action and establishing cleanup level goals, no further action would be required at the Site. The results of the SLRE presented in Section 7 indicates that the maximum concentrations of COPCs at the Site did not exceed RWQCB-SF ESLs considering reasonable exposure pathways. Using a risk-based approach does not necessarily mean that a site is granted closure. However, the risk-based approach can be used to determine whether active remediation is warranted.

Cleanup levels of non-detect for soil and maximum contaminant levels (MCLs) for drinking water are not feasible at the majority of sites including the Site. The fact that there are little or no sites where groundwater containing similar concentrations of dense non-aqueous phase liquid (DNAPL) has been successfully remediated to MCL's supports this conclusion (Cohen and Mercer 1993).

The RWQCB historically considered that groundwater cleanup levels should be established to meet background water quality consistent with the non-degradation goal of the State Water Resources Control Board's Resolution No. 68-16, Statement of Policy With Respect to Maintaining High Quality Waters in California. If this is not achievable numeric concentrations based on protecting beneficial uses can be permitted if it can be demonstrated that: some degradation is in the best interest of the citizens of California; and beneficial uses of the waters are not impaired.

The prevalence of light non-aqueous phase liquid (LNAPL) and DNAPL releases from underground fuel storage tanks has resulted in considerable literature and experience with regard to suitable technologies for remediation of impacted soil and groundwater. The USEPA has recognized that complete groundwater restoration is impractical in areas affected by DNAPL, because there are no proven remedial technologies for completing removing subsurface DNAPL in reasonable timeframes (Cohen and Mercer 1993). The move to risk-based approaches to remedial selection has occurred in part due to a National Research Council review of the performance of conventional pump and treat groundwater systems. The council concluded that at 69 of 77 sites evaluated cleanup goals have not been reached (EPA, 1996). The consulting profession's experience with various remediation options as well as compilations and evaluation of petroleum hydrocarbon releases such as that published by Lawrence Livermore Laboratories (LLNL, 1995), have resulted in general consensus as to the technologies that have proven feasible at petroleum release sites. The LLNL report and the RWQCB have more recently emphasized a risk-based approach to remediation of petroleum hydrocarbon sites because data on numerous release sites indicates that natural attenuation of the petroleum hydrocarbons and CVOCs may be as effective and less costly than many active remedial solutions.

The evaluation of corrective action options is based on a number of factors including property issues (transfers of property), political issues, land use changes, and availability of financial resources. Changes in any of these factors can result in changes in the selected corrective action option.

The following are typical corrective action options that have been utilized at LNAPL and DNAPL sites:

1. Active remediation by injection of air or oxygen to the subsurface;
2. Active remediation by Soil Vapor Extraction and Groundwater sparging;
3. Source excavation of VOC-affected soil;
4. Groundwater extraction and aboveground treatment;
5. Enhanced In-situ biodegradation;
6. In-situ chemical oxidation.

The costs of the various alternatives will vary primarily due to the regulatory agency's clean up level. Generally the technologies are implemented until the concentrations of chemicals remain constant or are leveling out with time. If active remediation is selected then it is important to understand the limitations of the remedial action with respect to the feasibility of meeting a specific cleanup level goal. The expectation of the remedial actions identified above is that concentrations of petroleum hydrocarbons and CVOCs would be significantly reduced until the concentrations become asymptotic with time. The cost/benefits of conducting active remediation utilizing the technologies identified above is expected to be low due to the anticipated small mass of CVOCs and petroleum hydrocarbons reported in onsite soil and groundwater.

9.0 SUMMARY AND CONCLUSIONS

As stated in Section 1, criteria to close low risk sites involves a demonstration that the source of contamination has been removed (i.e., the USTs), the site has been adequately characterized, substances remaining in soil or groundwater do not exceed maximum contaminant levels (MCLs) or other water quality objectives, a plume is not migrating into other sensitive receptors such as water wells or surface water bodies, and that the site does not present a risk to public health or the environment. The Site meets these criteria as summarized in the following subsections.

9.1 Background

AB&I has operated on the Site for approximately 77 years. Business activities include the manufacture of cast pipe and fittings. The facility accepts scrap iron and steel, which it stockpiles on-site, and uses during manufacturing activities. The Site encompasses an area of approximately 11.8 acres. The Site contains various warehouses, manufacturing and office buildings. The entire Site is covered with buildings and asphalt and concrete pavement. Seven USTs were previously located on-site. The USTs included one 8,000-gallon UST used for storing unleaded gasoline and one 8,000-gallon UST used for the storage of mineral spirits and later 1,1,1-trichloroethane (1,1,1-TCA), one 550-gallon UST used for storing regular leaded gasoline, one 10,000-gallon UST used for storing diesel, and three 10,000-gallon USTs used for storing gasoline.

9.2 Hydrogeologic Conditions

The Site is located near the San Francisco Bay within an area identified as the East Bay Plain. The East Bay Plain is situated on the east side of the San Francisco Bay depression. The alluvial sediments of the East Bay Plain consist of a mixture of gravel, sand and clay deposited by coalescing alluvial fans. In the vicinity of the Site, fluvial and near shore deposits have been mapped (Helley et. al., 1979). The fluvial deposits are described as unconsolidated, moderately sorted, fine sand and silt, with clayey silt and occasional thin beds of coarse sand (Muir, 1993). The near-shore deposits are described as a well-sorted, fine to medium grained sand and silt, with lenses of sandy clay and clay. Regional groundwater flow in the vicinity of the Site is interpreted to be towards the west - southwest toward San Leandro Bay.

Although groundwater in the East Bay Plain is generally considered a potential future source of drinking water, there are no permitted drinking water wells within the Site vicinity (SFRWQCB, 1999), nor is the shallow groundwater in this area likely to be used as a public drinking water source in the foreseeable future.

Soils encountered in the unsaturated and saturated zones beneath the Site are predominantly gravelly clay (fill) and silty clay with an interfingering lens of poorly sorted sand and gravel. Shallow groundwater has been observed to occur at the Site at a depth of approximately 4 to 9 feet bgs and flows toward the northwest.

9.3 Distribution and Occurrence of TPH and VOC-Affected Soil and Groundwater

The results of this investigation suggest that residual (low) concentrations of TPHg, TPHd, and related petroleum hydrocarbon chemicals (e.g., BTEX) are present in the vadose (unsaturated) zone in the immediate vicinity of the former USTs. Relatively higher concentrations of TPHg, TPHd, and related petroleum hydrocarbon chemicals (e.g., BTEX) are present in the saturated zone in the immediate vicinity and downgradient of the former USTs. The highest concentration of petroleum hydrocarbon – affected groundwater is present in the Former Three 10,000-Gallon USTs Area and 8,000 gallon mineral spirits/1,1,1-TCA UST area and does not appear to extend off-Site.

TPHd, toluene, and MTBE were reported in samples collected along the eastern Site boundary (Figure 12). The Oakland Truck Stop site is located immediately adjacent to and east of the Site. Releases of petroleum hydrocarbons from the Oakland Truck Stop site have affected underlying soil and groundwater. The presence of TPHd, toluene, and MTBE reported in samples collected along the eastern Site boundary is interpreted to be associated with releases from the Oakland Truck Stop site.

No CVOCs were reported in soil in the area of the former mineral spirits/1,1,1-TCA UST area with the exception of chloroethane reported at a concentration of 0.022 mg/kg at a depth of 5 feet bgs. No CVOCs were reported in deeper soil samples collected between 10 and 20 feet bgs in the area of the former mineral spirits/1,1,1-TCA UST area suggesting CVOCs are limited to shallow groundwater. CVOC-affected groundwater appears to be limited to the area downgradient of the former 8,000-gallon mineral spirits/1,1,1-TCA UST and does not appear to extend offsite.

9.4 Source Removal

The primary contaminant sources, the seven USTs and their contents, were removed from the Site between the period of 1982 and 1993. In addition, TPH and VOC-affected soil located adjacent to the USTs was removed. The migration of TPH and VOC-affected groundwater at the Site is interpreted to occur as a result of shallow groundwater flow. However, natural processes such as adsorption, dispersion, and natural degradation are expected to limit the horizontal and vertical extent of TPH and VOCs. The primary source of the TPH and VOCs, leaks associated with the USTs, have been terminated, therefore the only remaining sources are interpreted to be the affected soil beneath the Site.

The concentrations of TPH and VOCs in soil and groundwater beneath the site are not expected to increase because the source(s) of the releases have been terminated and the Site is paved and covered with structures. Because of these factors, surface water infiltration is not a significant factor in the migration of TPH and VOCs from soil to groundwater, and groundwater quality at the Site has not degraded further since installation and initial groundwater monitoring in 1993.

9.5 Screening Level Risk Evaluation

A screening level risk-based evaluation (SLRE) of chemicals detected in soil and ground water at the Site was conducted using the Tier I approach found in the document titled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final - November 2007 (CRWQCB, 2007).

Human exposures for the SLRE were evaluated assuming that the most likely receptors at the Site, under current and future scenarios, are workers. Exposure routes within these scenarios include ingestion, inhalation and dermal contact through direct contact with contaminated media (i.e., the future construction worker scenario) and inhalation (i.e., the current indoor and outdoor commercial/industrial workers operating at the Site). Both the current and future scenarios use the maximum values (i.e., concentrations of TPH and VOCs) for the Site and assume that observed concentrations will not decrease over time, a conservative bias. Groundwater ingestion is not considered in this assessment because contaminated groundwater underlying the Site is not considered suitable for use in the future due to expected limited yield, poor water quality parameters excluding petroleum hydrocarbons and VOCs, and the use of the surrounding area. In addition, there is no evidence that vertical migration has occurred to depths which could affect deeper aquifers, which may be more suitable for potable and non-potable purposes.

Soil gas samples were collected from 10 locations at the Site. Of the ten samples collected, three of the samples did not report concentrations of any VOCs above the laboratory's reporting limits. Of the seven remaining samples, concentrations of chloroethane, BTEX, and PCE were detected. However, none of the VOCs were detected at concentrations in excess of their respective ESLs under either the residential or commercial land-use exposure scenario.

None of the concentrations of TPHg, TPHd, BTEX, and PAHs exceed ESLs for shallow soil under the commercial land use scenario with the exception of the three 10,000 gallon UST Area and the Mineral Spirits/1,1,1-TCA UST Area. TPHd exceeded its ESL in both of these areas and a number of PAHs exceeded their restive ESLs in one soil (tar material) sample collected from the area of the Mineral Spirits/1,1,1-TCA UST Area.

For groundwater no current TPHg, TPHd, and BTEX concentration exceeds its respective ESL where, as here, groundwater is not considered a current or potential drinking water source. If groundwater were a

current or potential drinking water source, the concentration of TPHg, TPHd, and benzene would exceed the RWQCB ESLs.

No CVOCs were detected in soil samples collected as part of this investigation with the exception chloroethane. CVOC-affected groundwater appears to be limited to the area downgradient of the former 8,000 gallon Mineral Spirits/1,1,1-TCA UST and does not extend offsite. The highest concentrations of CVOCs are located in the parking lot area. Review of groundwater monitoring well sampling results indicates that no current CVOC concentration exceeds its respective ESL with the exception of 1,1-DCA and vinyl chloride (located in the Parking Lot Area) where, as here, groundwater is not considered a current or potential drinking water source. If groundwater were a current or potential drinking water source, the concentration of 1,1-DCA, 1,1-DCE, chloroethane, 1,1,1-TCA, and vinyl chloride would exceed the RWQCB ESLs.

ESLs for non-drinking water are based on the protection of vapor intrusion to indoor air. As indicated above, the location of the elevated 1,1-DCA and vinyl chloride concentrations that exceeds ESLs are located in the parking lot area (outdoors) away from any buildings. Further none of the CVOCs in soil gas were identified for the hypothetical indoor commercial/industrial worker receptor above their respective ESL under either the residential or commercial exposure scenario. Therefore, vapor intrusion into indoor air is not expected to constitute a significant threat to the hypothetical indoor commercial/industrial worker receptor.

One or more CAM 17 metals were reported in all samples analyzed for this investigation. Concentrations were compared with regional background metal concentrations to differentiate between metal concentrations present in samples due to ambient conditions and those present as a result of site-related activities. Of the metals detected, only beryllium, chromium, copper, lead, mercury, selenium, thallium, vanadium, and zinc were reported at concentrations in excess of their respective background levels. Of these nine metals, only copper, lead, thallium, and vanadium exceeded their respective ESLs (commercial land-use scenario) in three locations.

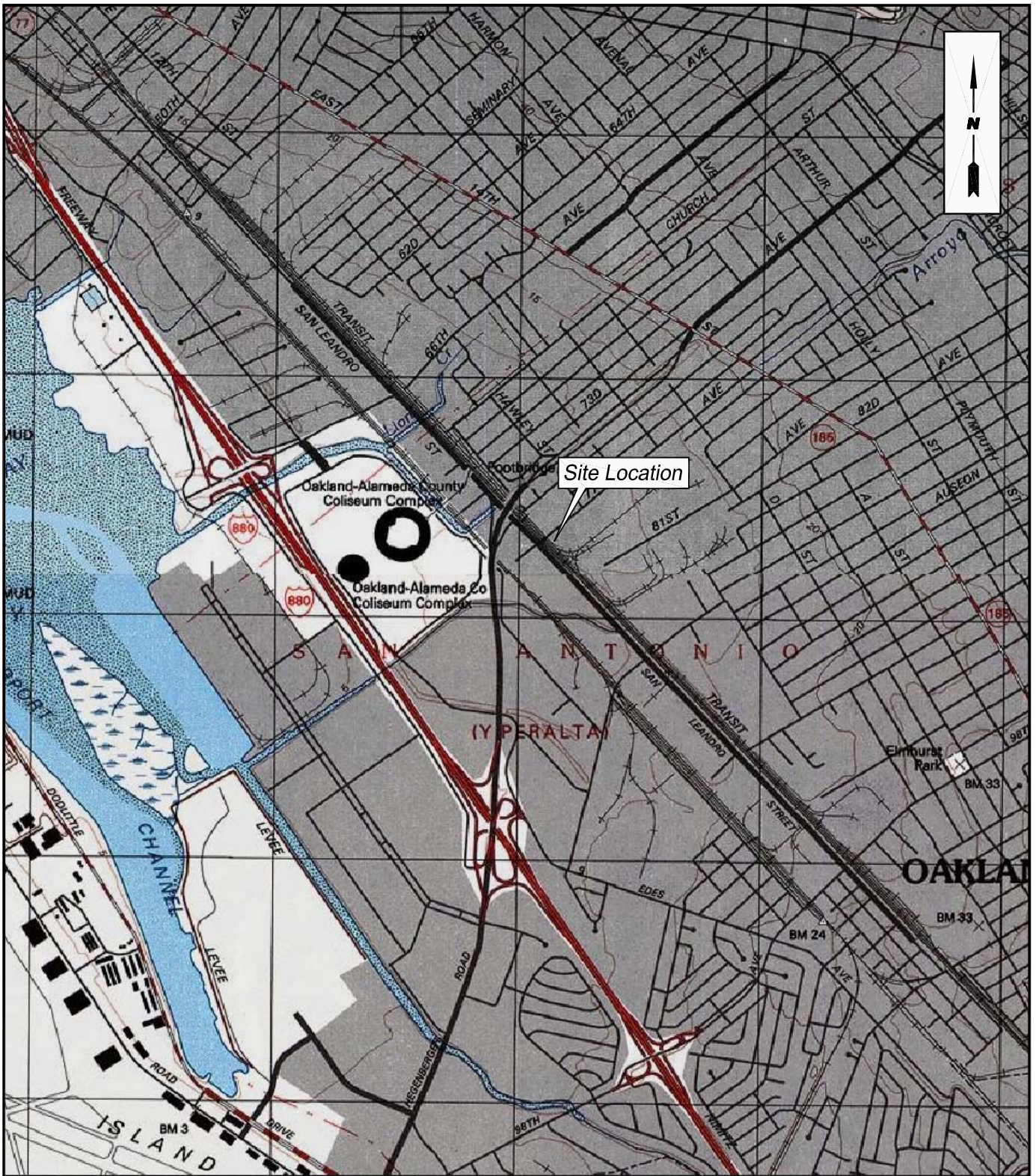
In consideration of the above findings and conclusions, it is The Source Group's opinion, that the Site is a low - risk release site. SGI recommends that groundwater monitoring be continued through at least September 2008 to confirm that TPH and VOC concentrations in groundwater are stable or declining. In addition, SGI recommends that a construction risk management plan be developed to ensure the safe and proper handling and disposal practices associated with any future soil excavation, grading, removal, trenching, filling, or earth movement activities that may occur at the Site.

10.0 REFERENCES

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FIGURES



SGI THE SOURCE GROUP, INC.
environmental

3451-C VINCENT ROAD
 PLEASANT HILL, CA 94523

SOURCE: U.S.G.S. 7.5' QUAD SHEET
 OAKLAND EAST, CALIFORNIA
 PHOTOREVISED 1997

SCALE:



SITE LOCATION MAP

CLIENT:

AB&I FOUNDRY

DATE:

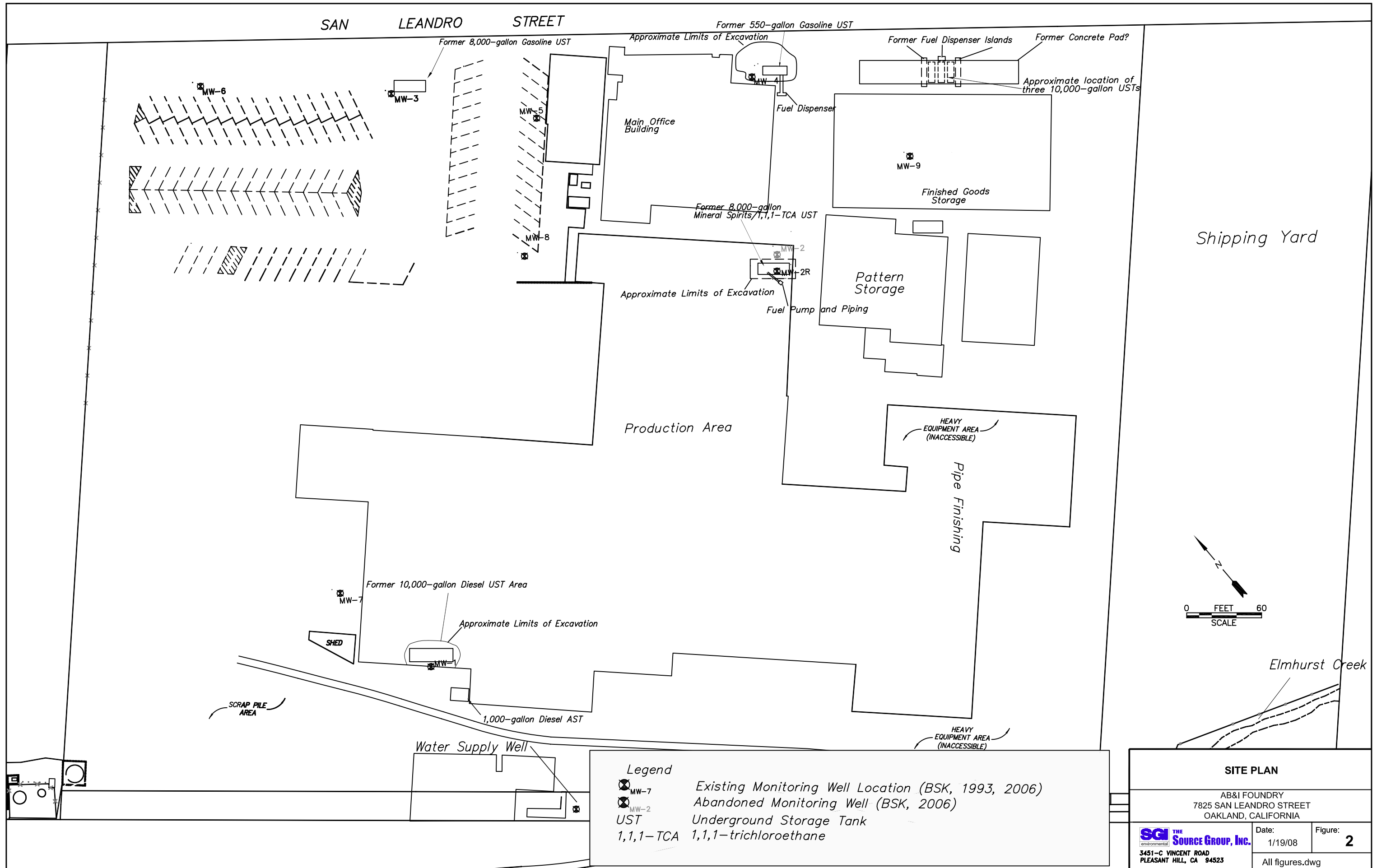
6/27/07

LOCATION:

7825 San Leandro Street
 Oakland, California

FIGURE:

1



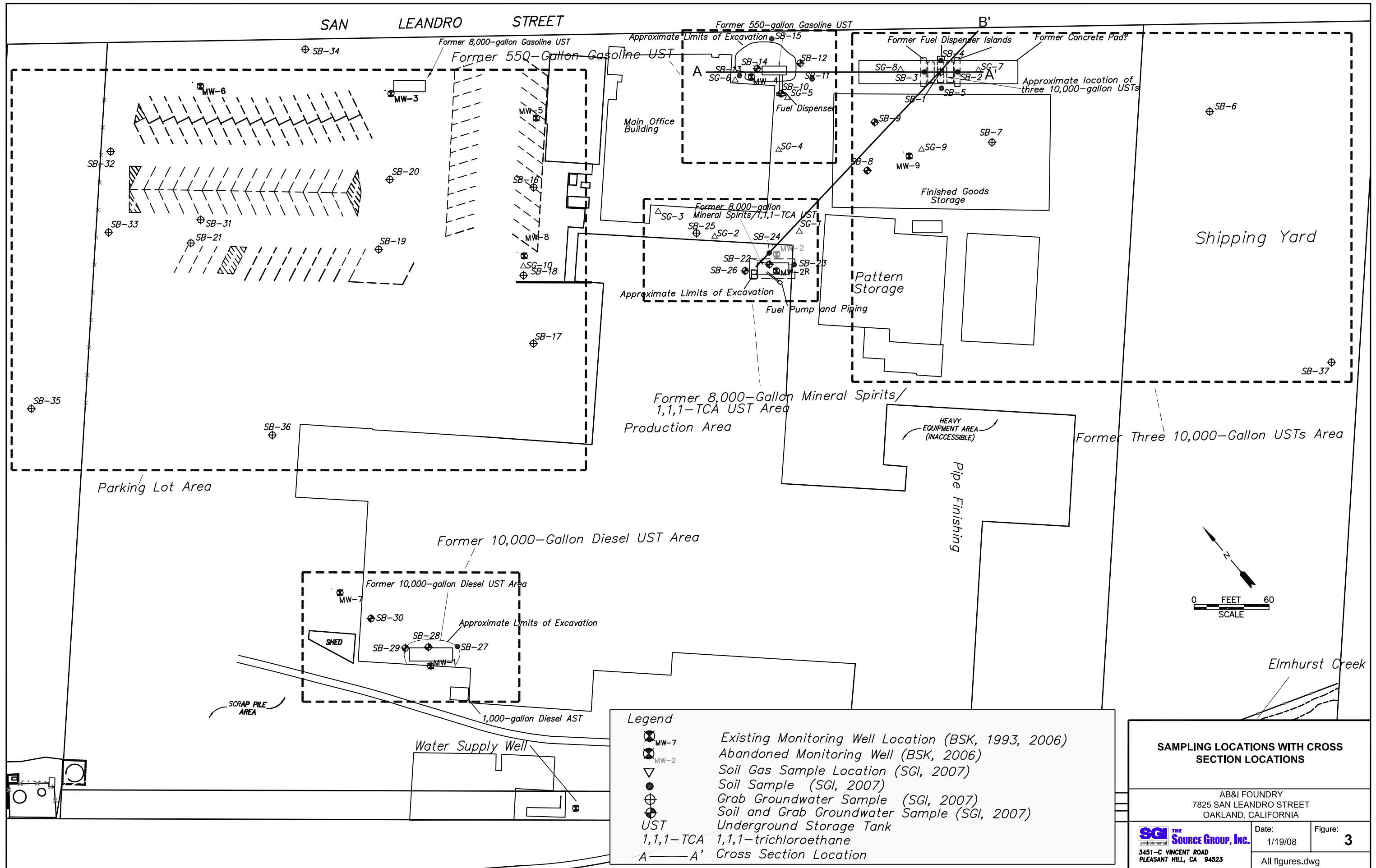
Legend

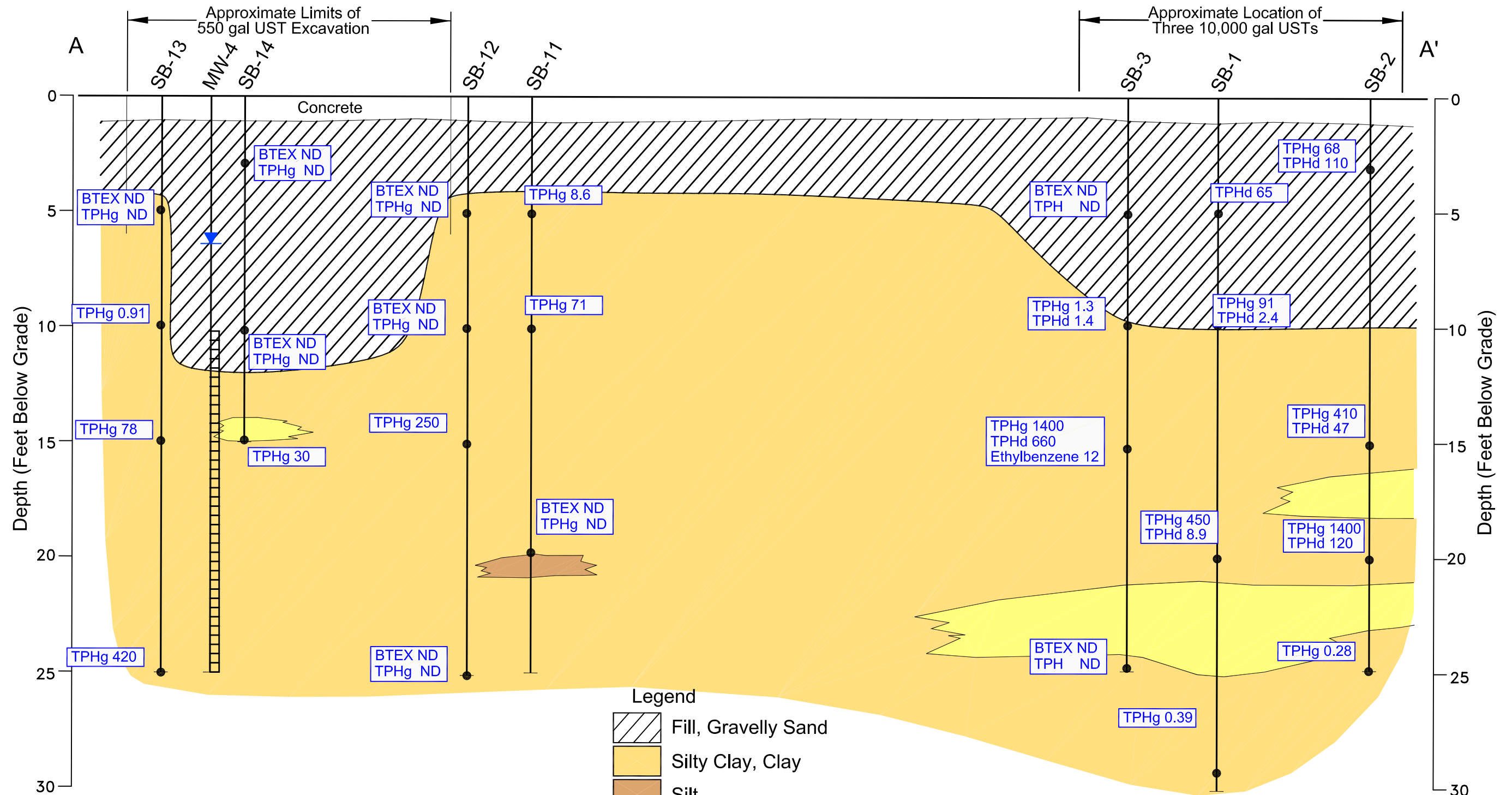
- MW-7 Existing Monitoring Well Location (BSK, 1993, 2006)
- MW-2 Abandoned Monitoring Well (BSK, 2006)
- UST Underground Storage Tank
- 1,1,1-TCA 1,1,1-trichloroethane

SITE PLAN

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA


THE SOURCE GROUP, INC. <small>environmental</small> 3451-C VINCENT ROAD PLEASANT HILL, CA 94523	Date: 1/19/08	Figure: 2
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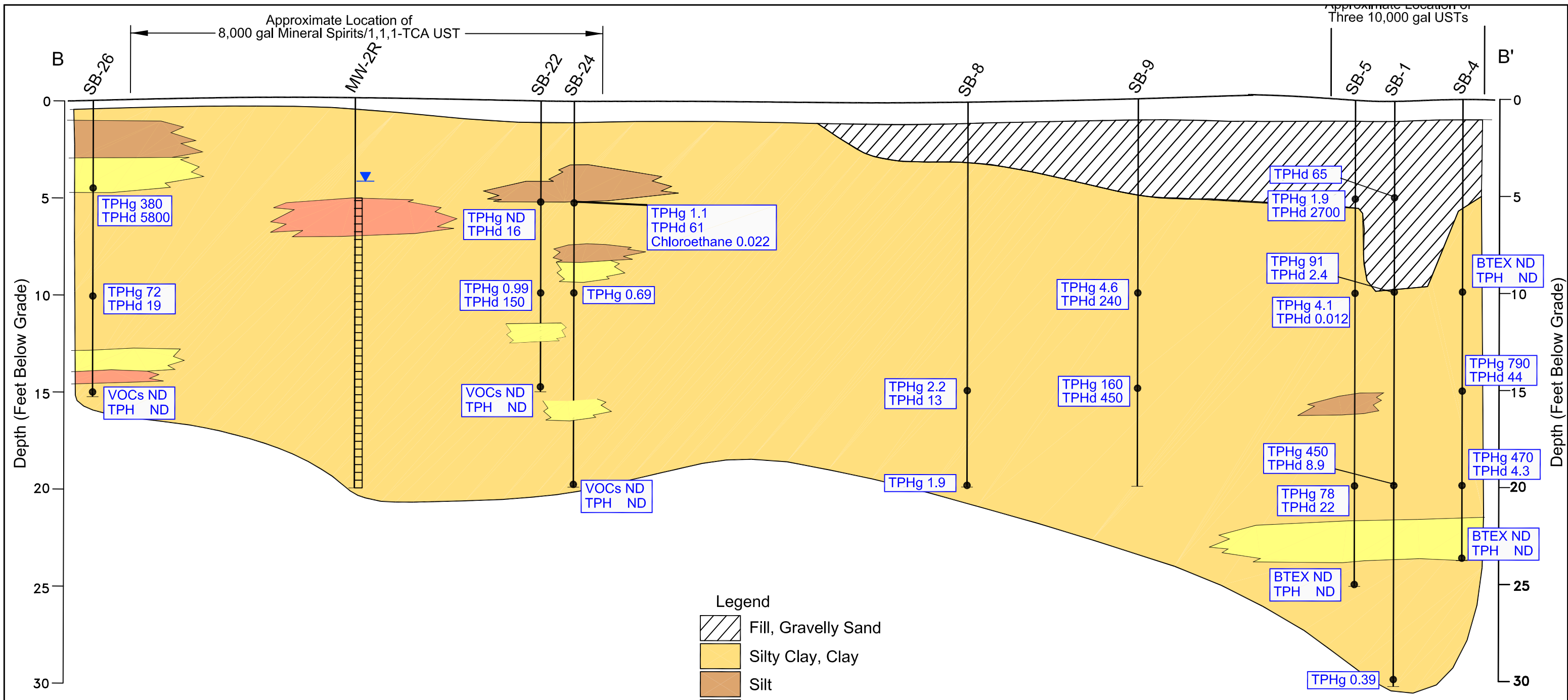




- Notes:
1. All concentrations reported in milligrams per kilogram (mg/kg)
 2. Compounds not shown were not detected at or above laboratory reporting limits or were not analyzed (see Table 2)
 3. MW = monitoring well (BSK, 2006)
 4. SB = soil boring
 5. Total petroleum hydrocarbons as diesel (TPHd) analyzed using EPA Method 8015M with silica gel cleanup
 6. Volatile organic compounds (VOCs) analyzed using EPA method 8260B
 7. Total petroleum hydrocarbons as gasoline (TPHg), Benzene, toluene, ethylbenzene, xylene (BTEX) analyzed using EPA Method 8260B

Scale:
Horizontal 1"=15'
Vertical 1"=5'

CROSS SECTION A-A'		
AB&I FOUNDRY 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA		
 THE SOURCE GROUP, Inc. <small>3451-C VINCENT ROAD PLEASANT HILL, CA 94523</small>	Date: 1/19/08	Figure: 4
All figures.dwg		

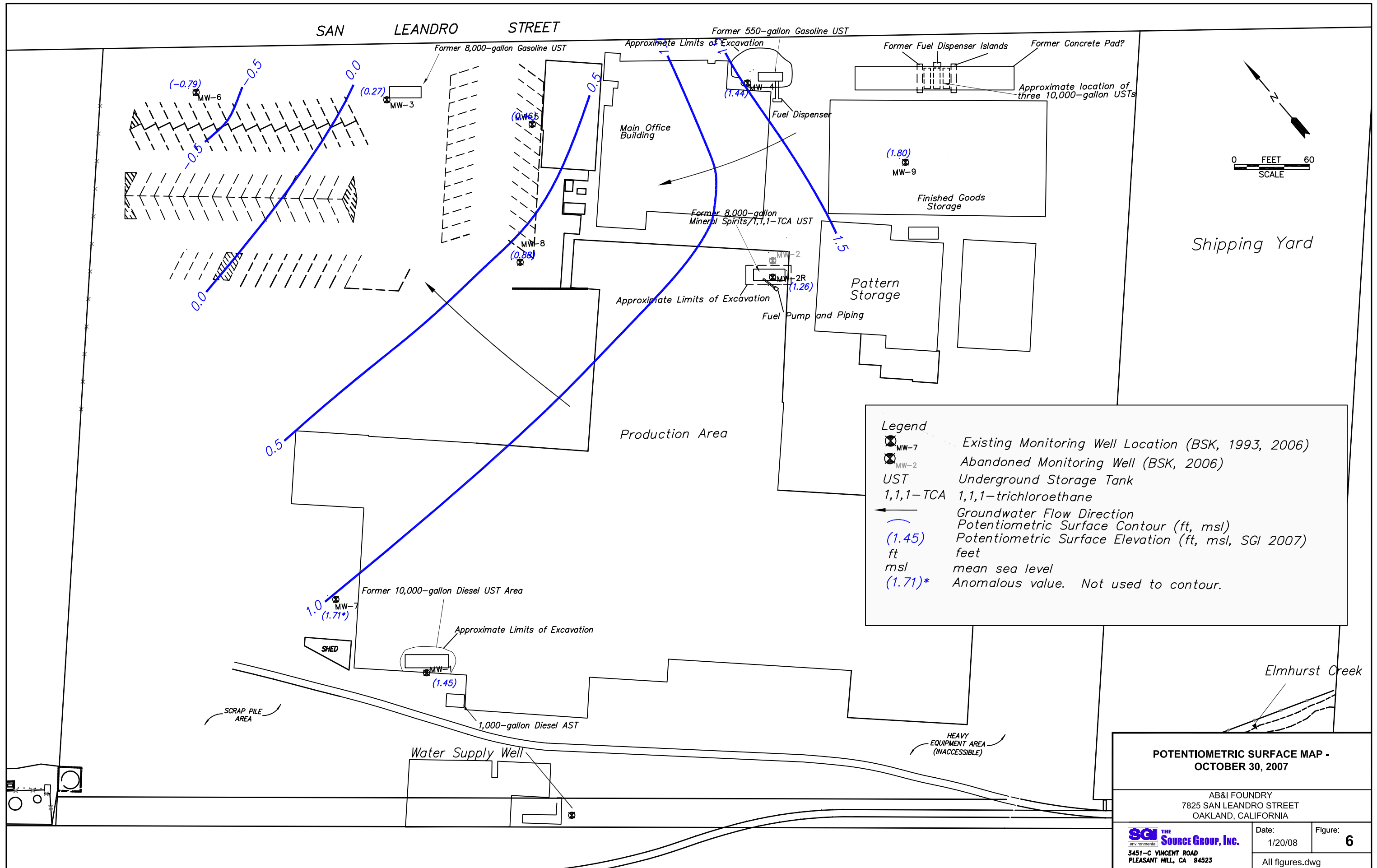


- Notes:
1. All concentrations reported in milligrams per kilogram (mg/kg)
 2. Compounds not shown were not detected at or above laboratory reporting limits or were not analyzed (see Table 3)
 3. MW = monitoring well (BSK, 2006)
 4. SB = soil boring
 5. Total petroleum hydrocarbons as diesel (TPHd) analyzed using EPA Method 8015M with silica gel cleanup
 6. Volatile organic compounds (VOCs) analyzed using EPA method 8260B
 7. Total petroleum hydrocarbons as gasoline (TPHg), Benzene, toluene, ethylbenzene, xylene (BTEX) analyzed using EPA Method 8260B

- Legend
- Fill, Gravelly Sand
 - Silty Clay, Clay
 - Silt
 - Sand, Gravelly Sand
 - Sandy Clay
 - TPHg Total Petroleum Hydrocarbons as Gasoline
 - TPHd Total Petroleum Hydrocarbons as Diesel
 - Soil Sample (SGI, 2007)
 - Well Screen Interval
 - UST Underground Storage Tank
 - Static Groundwater (SGI, December 2007)

Scale:
 Horizontal 1"=15'
 Vertical 1"=5'

CROSS SECTION B-B'		
AB&I FOUNDRY 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA		
THE SOURCE GROUP, Inc.	Date: 11/24/07	Figure: 5
3451-C VINCENT ROAD PLEASANT HILL, CA 94523		
All figures.dwg		



Legend

- Existing Monitoring Well Location (BSK, 1993, 2006)
- Abandoned Monitoring Well (BSK, 2006)
- UST
- 1,1,1-TCA
- Groundwater Flow Direction
- Potentiometric Surface Contour (ft, msl)
- (1.45) Potentiometric Surface Elevation (ft, msl, SGI 2007)
- ft feet
- msl mean sea level
- (1.71)* Anomalous value. Not used to contour.

**POTENTIOMETRIC SURFACE MAP -
OCTOBER 30, 2007**

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

	Date: 1/20/08	Figure: 6
3451-C VINCENT ROAD PLEASANT HILL, CA 94523		
All figures.dwg		

SG-4	
Depth	5'
PCE	0.12
Chloroethane	<0.10
Benzene	0.11
Toluene	0.22
Ethylbenzene	2
m,p-xylene	0.63

SG-6	
Depth	5'
PCE	<0.10
Chloroethane	<0.10
Benzene	<0.080
Toluene	<0.20
Ethylbenzene	0.27
m,p-xylene	<0.20

SG-5	
Depth	5'
PCE	<0.84
Chloroethane	<0.84
Benzene	0.96
Toluene	<0.84
Ethylbenzene	13
m,p-xylene	3.4

SG-8	
Depth	5'
PCE	<0.41
Chloroethane	<0.41
Benzene	<0.33
Toluene	<0.41
Ethylbenzene	1.7
m,p-xylene	0.48

SG-7	
Depth	5'
PCE	<0.10
Chloroethane	<0.10
Benzene	<0.080
Toluene	<0.20
Ethylbenzene	<0.10
m,p-xylene	<0.20

SG-9	
Depth	5'
PCE	<0.10
Chloroethane	<0.10
Benzene	<0.080
Toluene	<0.20
Ethylbenzene	0.56
m,p-xylene	<0.20

SG-10	
Depth	5'
PCE	<0.10
Chloroethane	<0.10
Benzene	0.21
Toluene	0.26
Ethylbenzene	0.28
m,p-xylene	<0.20

SG-3	
Depth	5'
PCE	<0.10
Chloroethane	<0.10
Benzene	<0.080
Toluene	<0.20
Ethylbenzene	<0.10
m,p-xylene	<0.20

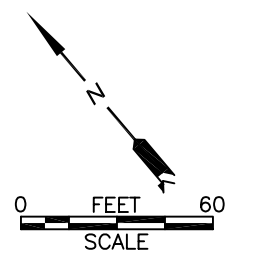
SG-2	
Depth	5'
PCE	<0.10
Chloroethane	<0.10
Benzene	<0.080
Toluene	<0.20
Ethylbenzene	<0.10
m,p-xylene	<0.20

SG-1	
Depth	5'
PCE	<0.10
Chloroethane	0.2
Benzene	0.331
Toluene	<0.20
Ethylbenzene	<0.10
m,p-xylene	<0.20

Legend

- Existing Monitoring Well Location
- Abandoned Monitoring Well
- Soil Gas Sample Location
- PCE
- UST
- 1,1,1-TCA
- <0.20

-Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Shallow Soil Gas Screening Levels, Commercial/Industrial Land Use

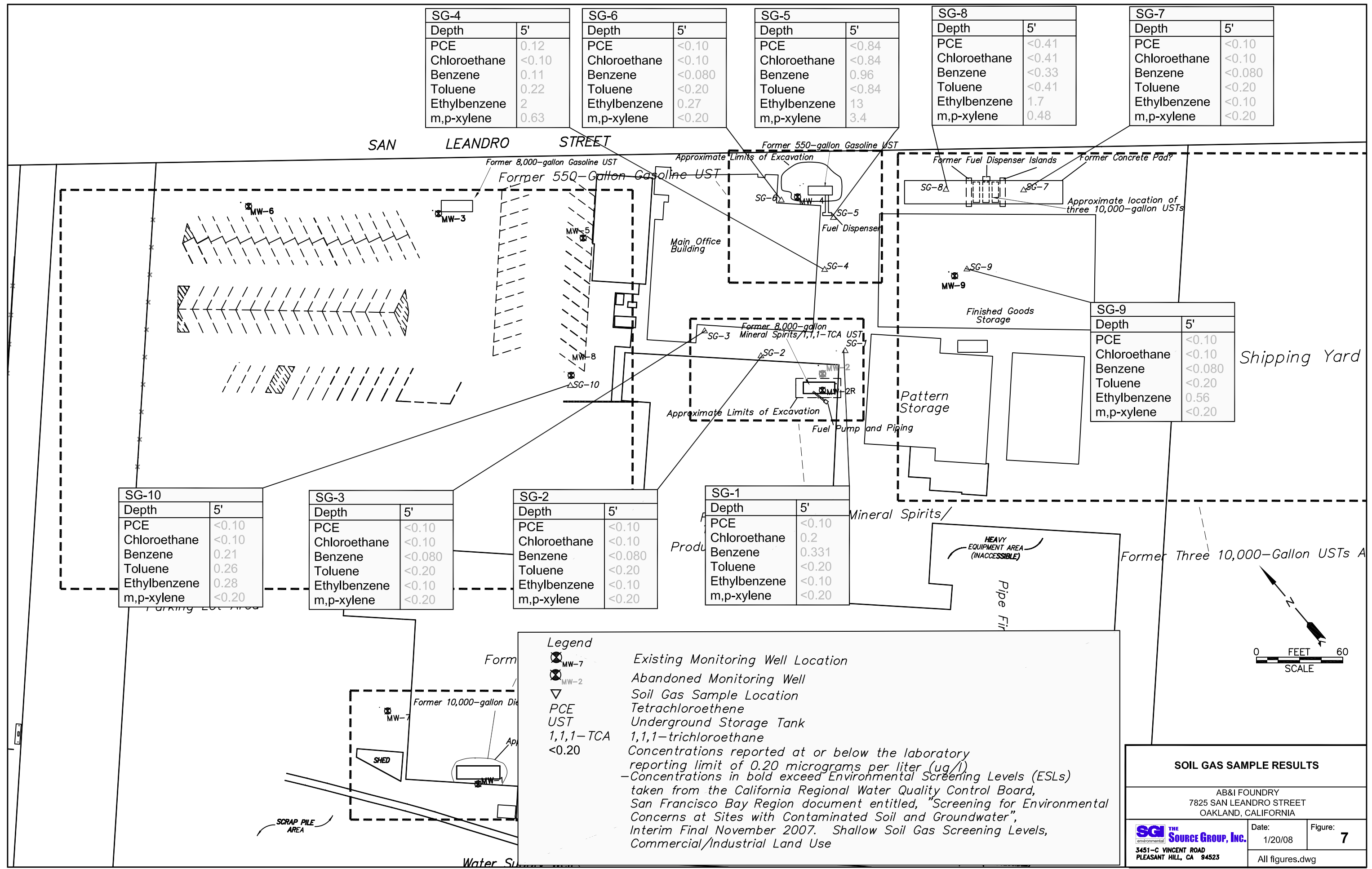


SOIL GAS SAMPLE RESULTS

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

THE SOURCE GROUP, Inc. 3451-C VINCENT ROAD PLEASANT HILL, CA 94523	Date:	Figure:
	1/20/08	7

All figures.dwg



SB-3					
Depth	5'	10'	15'	20'	25'
TPHg	<0.02	1.3	1400	1400	<0.021
TPHd	<0.18	1.4	660	660	<0.18
B	<0.00028	0.0049	<0.98	<0.98	<0.0003
T	0.008	<0.00019	<0.98	<0.98	<0.0002
E	<0.00028	<0.00028	12	12	<0.0003
X	<0.00057	<0.00056	<1.8	<1.8	<0.0006

SB-1				
Depth	5'	10'	20'	28'
TPHg	<0.02	91	450	0.39
TPHd	65	2.4	8.9	<0.18
B	<0.00028	<0.42	<0.41	<0.00029
T	<0.00019	<0.42	<0.41	<0.00019
E	<0.00028	<0.34	4.9	<0.00029
X	<0.00057	<0.76	<0.75	<0.00057

SB-4				
Depth	10'	15'	20'	24'
TPHg	<0.02	790	470	<0.021
TPHd	<0.18	44	4.3	<0.18
B	<0.00029	<0.11	<0.38	<0.0003
T	<0.00019	<0.074	<0.38	<0.0002
E	<0.00029	2.4	4	<0.0003
X	<0.00057	<0.22	<0.68	<0.0006

SB-2				
Depth	3'	15'	20'	25'
TPHg	68	410	1400	0.28
TPHd	110	47	120	<0.18
B	<0.42	<0.41	<1	<0.00029
T	<0.42	1.5	<1	<0.00019
E	<0.34	7.4	27	<0.00029
X	<0.75	30	62	<0.00058

SB-5				
Depth	5'	10'	20'	25'
TPHg	1.9	4.1	78	<0.02
TPHd	2700	<0.18	22	<0.18
B	<0.0003	0.012	<0.42	<0.00028
T	<0.0002	<0.0002	<0.42	<0.00019
E	<0.0003	<0.0003	<0.34	<0.00028
X	<0.0006	<0.00059	<0.76	<0.00056

SB-9		
Depth	10'	15'
TPHg	4.6	160
TPHd	240	450
B	<0.0003	<0.4
T	<0.0002	<0.4
E	<0.0003	<0.33
X	<0.0006	<0.73

Former Fuel Dispenser Islands

Former Concrete Pad?

Approximate location of three 10,000-gallon USTs

Finished Goods Storage

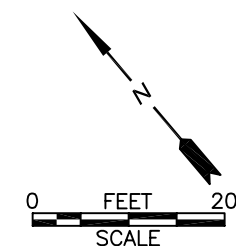
Legend

Boring ID	SB-28	
Depth in feet below ground surface	6'	10'
Total Petroleum Hydrocarbons as Gasoline	<0.02	<0.019
Total Petroleum Hydrocarbons as Diesel	64	120
Benzene	<0.00028	<0.00027
Toluene	<0.00019	<0.00018
Ethylbenzene	<0.00028	<0.00027
Xylene	<0.00056	<0.00055

Concentrations reported in milligrams per kilogram (mg/kg)
 <0.00028 Not Detected at or above the laboratory reporting limit of <0.00028

- ⊗_{MW-7} Existing Monitoring Well Location (BSK, 1993, 2006)
- ⊗_{MW-2} Abandoned Monitoring Well (BSK, 2006)
- Soil Sample (SGI, 2007)
- ⊕ Grab Groundwater Sample (SGI, 2007)
- ⊕ Soil and Grab Groundwater Sample (SGI, 2007)

— Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Groundwater is not a current or potential source of drinking water, commercial shallow or deep soil (less than or greater than 3 meter), commercial land use.



SOIL SAMPLE RESULTS - FORMER THREE 10,000-GALLON USTs AREA

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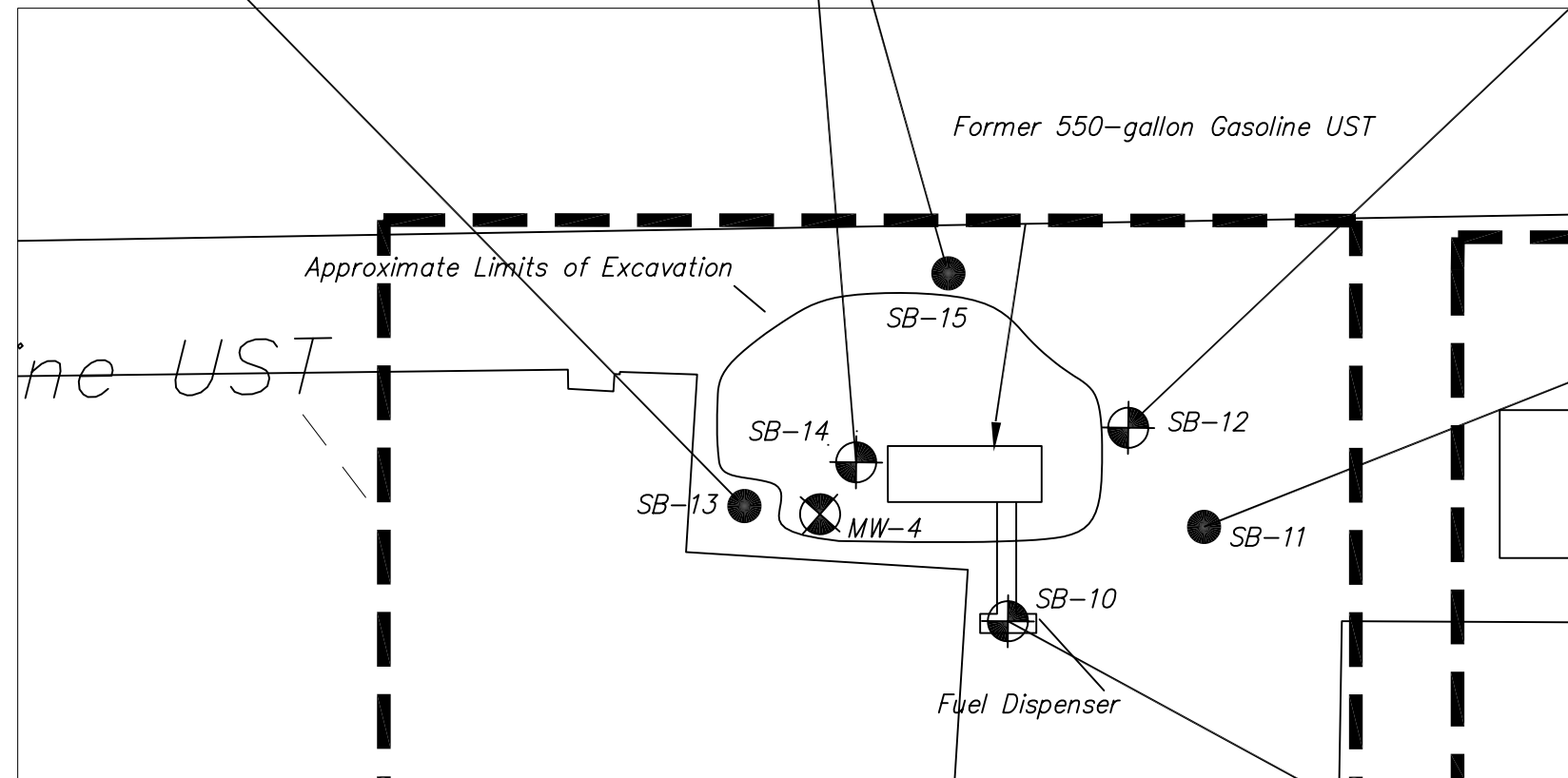
Date: 1/20/08
 Figure: **8**
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SB-13				
Depth	5'	10'	15'	25'
TPHg	<0.019	0.91	78	420
TPHd	NA	NA	NA	NA
B	<0.00027	<0.00027	<0.00018	<0.00055
T	<0.00018	<0.0002	<0.38	<0.42
E	<0.00027	<0.0003	<0.31	<0.34
X	<0.00055	<0.0006	<0.68	<0.75

SB-14			
Depth	3'	10'	15'
TPHg	<0.02	<0.02	30
TPHd	NA	NA	NA
B	<0.00028	<0.00029	<0.00093
T	<0.00019	<0.00019	<0.00062
E	<0.00028	<0.00029	<0.00093
X	<0.00056	<0.00058	<0.0019

SB-15				
Depth	5'	10'	15'	19'
TPHg	<0.019	<0.02	1100	7.9
TPHd	NA	NA	NA	NA
B	<0.00027	<0.00028	<0.39	<0.0004
T	<0.00018	<0.00019	<0.39	<0.00026
E	<0.00027	<0.00028	<0.31	<0.019
X	<0.00055	<0.00056	<0.7	<0.00079

SB-12				
Depth	5'	10'	15'	25'
TPHg	<0.02	<0.02	250	<0.02
TPHd	NA	NA	NA	NA
B	<0.00028	<0.00028	<0.39	<0.00029
T	<0.00019	<0.00019	<0.39	<0.00019
E	<0.00028	<0.00028	<0.32	<0.00029
X	<0.00057	<0.00057	<0.71	<0.00058



SB-11			
Depth	5'	10'	20'
TPHg	8.6	71	<0.021
TPHd	NA	NA	NA
B	<0.0006	<0.38	<0.0003
T	<0.0004	<0.38	<0.0002
E	<0.0006	<0.31	<0.0003
X	<0.0012	<0.69	<0.00059

SB-10					
Depth	5'	10'	15'	20'	25'
TPHg	320	450	330	5.4	<0.02
TPHd	50	38	62	5.1	<0.18
B	<0.4	<0.4	<0.4	<0.00029	<0.00029
T	<0.4	<0.4	<0.4	<0.00019	<0.00019
E	<0.33	1.4	<0.32	<0.00029	<0.00029
X	<0.73	<0.72	<0.72	<0.00057	<0.00058

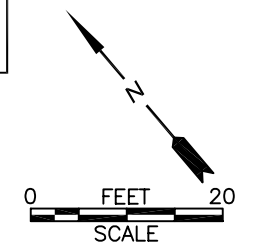
Legend

Boring ID	SB-28	
Depth in feet below ground surface	6'	10'
Total Petroleum Hydrocarbons as Gasoline	TPHg <0.02	<0.019
Total Petroleum Hydrocarbons as Diesel	TPHd 64	120
Benzene	B <0.00028	<0.00027
Toluene	T <0.00019	<0.00018
Ethylbenzene	E <0.00028	<0.00027
Xylene	X <0.00056	<0.00055

Concentrations reported in milligrams per kilogram (mg/kg)
 <0.00028 Not Detected at or above the laboratory reporting limit of <0.00028

- Existing Monitoring Well Location (BSK, 1993, 2006)
- Abandoned Monitoring Well (BSK, 2006)
- Soil Sample (SGI, 2007)
- Soil and Grab Groundwater Sample (SGI, 2007)

Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Groundwater is not a current or potential source of drinking water, commercial shallow or deep soil (less than or greater than 3 meters), commercial land use.



SOIL SAMPLE RESULTS - FORMER 550-GALLON GASOLINE UST AREA

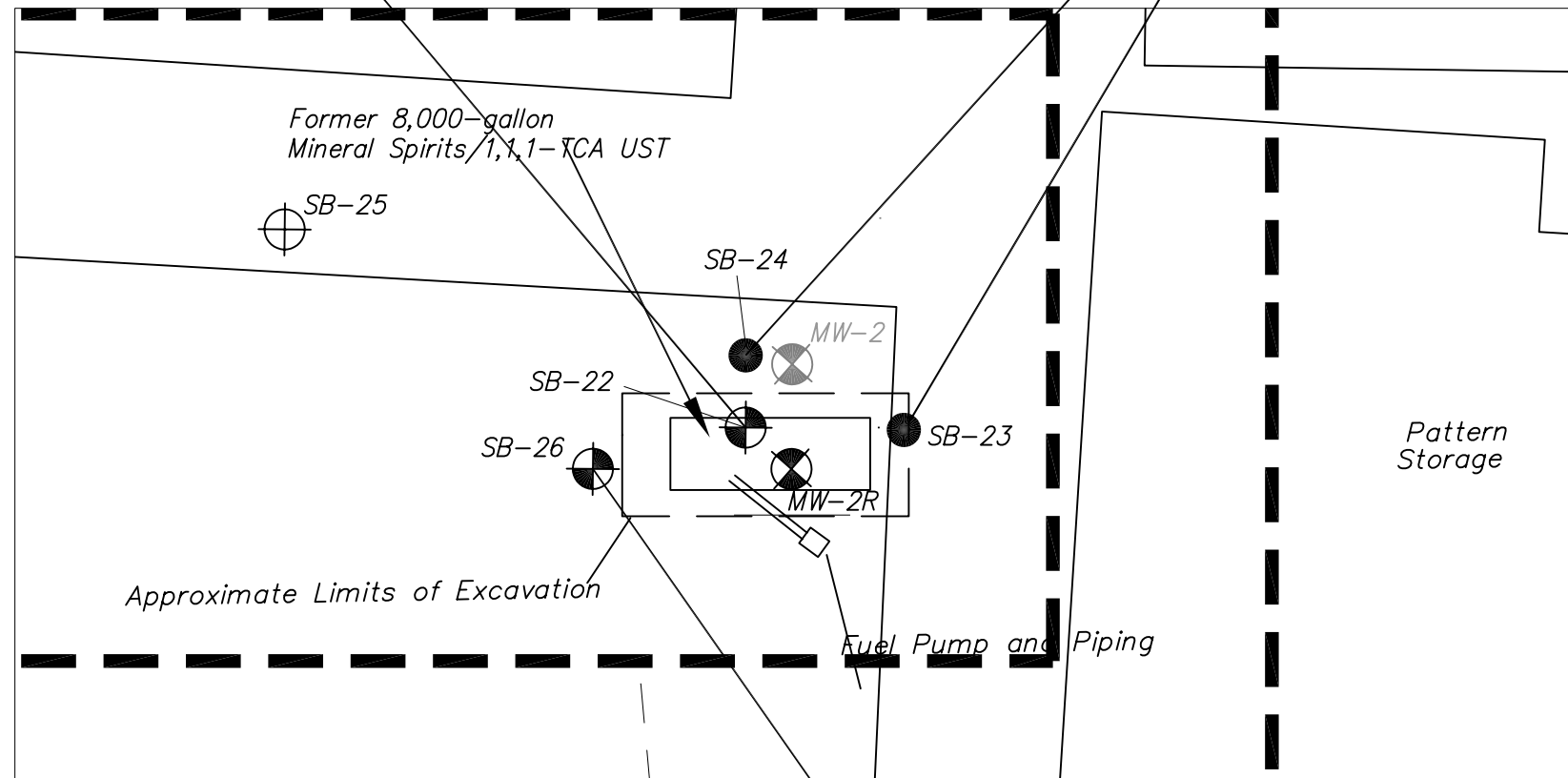
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SB-22				
Depth	3'	5'	10'	15'
TPHg	0.29	<0.02	0.99	<0.02
TPHd	90	16	150	<0.18
B	<0.00021	<0.00021	<0.00021	<0.00021
T	<0.00039	<0.00039	<0.00038	<0.0004
E	<0.00042	<0.00042	<0.00041	<0.00042
X	<0.0015	<0.0015	<0.0015	<0.0016

SB-24				
Depth	3'	5'	10'	20'
TPHg	1.2	1.1	0.69	<0.02
TPHd	170	61	<0.18	<0.18
B	<0.042	<0.0002	<0.00021	<0.00021
T	<0.077	<0.00037	<0.00039	<0.00038
E	<0.083	<0.0004	<0.00042	<0.00041
X	<0.31	<0.0015	<0.0015	<0.0015

SB-23				
Depth	3'	5'	10'	15'
TPHg	2.1	0.4	0.25	<0.02
TPHd	110	190	69	<0.18
B	<0.0002	<0.0002	<0.000	<0.00021
T	<0.00038	<0.00038	<0.00037	<0.00038
E	<0.00041	<0.0004	<0.0004	<0.00041
X	<0.0015	<0.0015	<0.0015	<0.0015



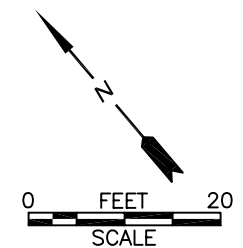
Legend

Boring ID	SB-28	
Depth in feet below ground surface	6'	10'
Total Petroleum Hydrocarbons as Gasoline	TPHg <0.02	<0.019
Total Petroleum Hydrocarbons as Diesel	TPHd 64	120
Benzene	B <0.00028	<0.00027
Toluene	T <0.00019	<0.00018
Ethylbenzene	E <0.00028	<0.00027
Xylene	X <0.00056	<0.00055

Concentrations reported in milligrams per kilogram (mg/kg)
 <0.00028 Not Detected at or above the laboratory reporting limit of <0.00028

- ⊗_{MW-7} Existing Monitoring Well Location (BSK, 1993, 2006)
 - ⊗_{MW-2} Abandoned Monitoring Well (BSK, 2006)
 - Soil Sample (SGI, 2007)
 - ⊕ Grab Groundwater Sample (SGI, 2007)
 - ⊕ Soil and Grab Groundwater Sample (SGI, 2007)
- Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Groundwater is not a current or potential source of drinking water, commercial shallow or deep soil (less than or greater than 3 meters), commercial land use.

SB-26			
Depth	4'	10'	15'
TPHg	380	72	<0.02
TPHd	5800	19	<0.18
B	<4.1	<0.043	<0.00021
T	<7.6	<0.079	<0.00039
E	<4.1	<0.084	<0.00042
X	<30	<0.31	<0.0016



SOIL SAMPLE RESULTS - FORMER 8,000-GALLON MINERAL SPIRITS/1,1,1-TCA UST AREA

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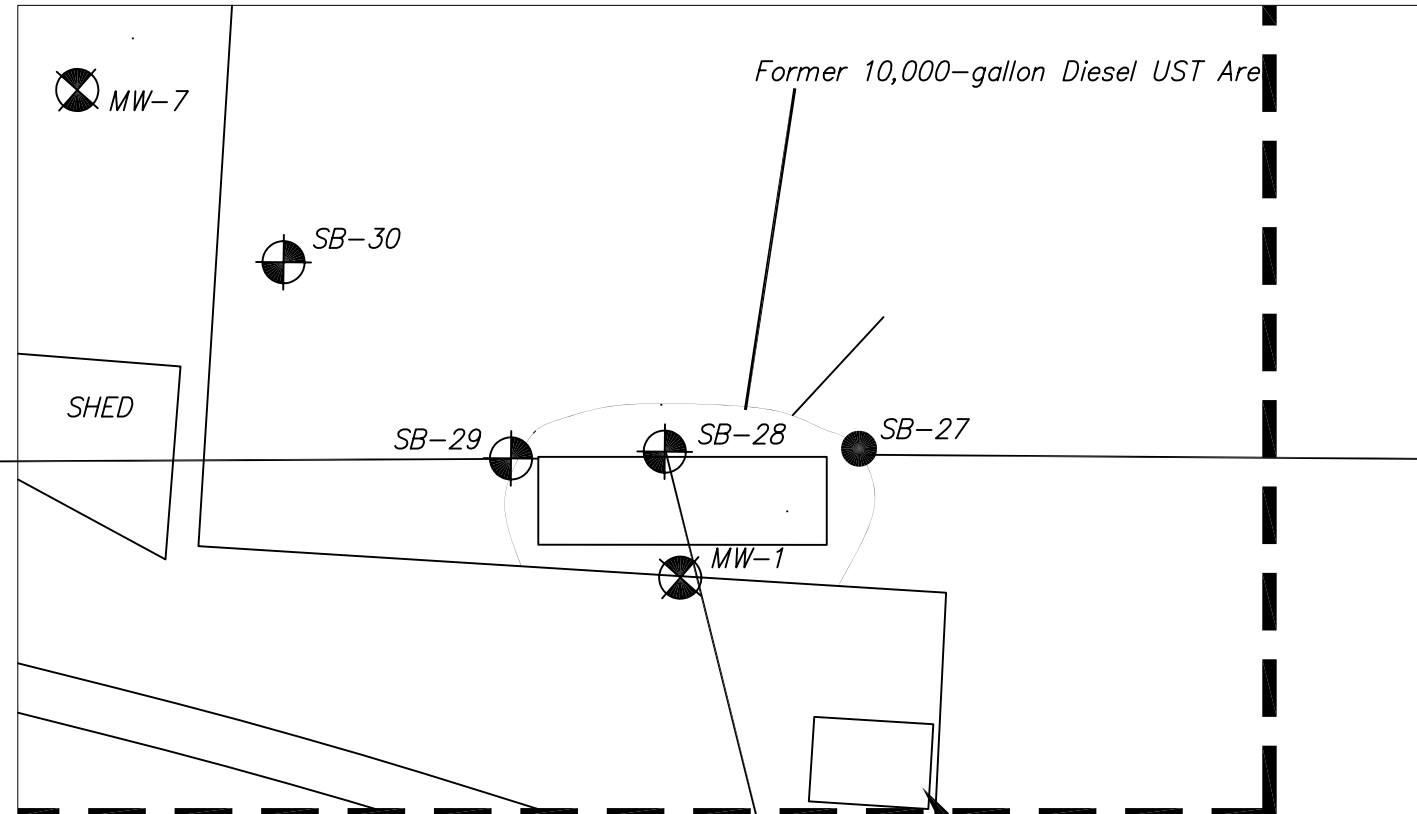
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SB-29			
Depth	6'	10'	15'
TPHg	NA	NA	NA
TPHd	13	<0.18	<0.18
B	NA	NA	NA
T	NA	NA	NA
E	NA	NA	NA
X	NA	NA	NA



SB-27				
Depth	3'	5'	10'	15'
TPHg	NA	NA	NA	NA
TPHd	100	6	<0.18	<0.18
B	NA	NA	NA	NA
T	NA	NA	NA	NA
E	NA	NA	NA	NA
X	NA	NA	NA	NA

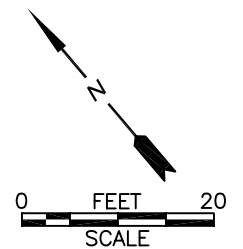
SB-28				
Depth	6'	10'	15'	20'
TPHg	<0.02	<0.019	<0.021	<0.02
TPHd	64	120	<0.18	<0.18
B	<0.00028	<0.00027	<0.0003	<0.00029
T	<0.00019	<0.00018	<0.0002	<0.00019
E	<0.00028	<0.00027	<0.0003	<0.00029
X	<0.00056	<0.00055	<0.00059	<0.00058

Legend

Boring ID	SB-28		
Depth in feet below ground surface	6'	10'	
Total Petroleum Hydrocarbons as Gasoline	TPHg	<0.02	<0.019
Total Petroleum Hydrocarbons as Diesel	TPHd	64	120
Benzene	B	<0.00028	<0.00027
Toluene	T	<0.00019	<0.00018
Ethylbenzene	E	<0.00028	<0.00027
Xylene	X	<0.00056	<0.00055

Concentrations reported in milligrams per kilogram (mg/kg)
 <0.00028 Not Detected at or above the laboratory reporting limit of <0.00028

- ⊗_{MW-7} Existing Monitoring Well Location (BSK, 1993, 2006)
 - ⊗_{MW-2} Abandoned Monitoring Well (BSK, 2006)
 - Soil Sample (SGI, 2007)
 - ⊕ Soil and Grab Groundwater Sample (SGI, 2007)
- Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Groundwater is not a current or potential source of drinking water, commercial shallow or deep soil (less than or greater than 3 meters), commercial land use.



SOIL SAMPLE RESULTS - FORMER 10,000-GALLON DIESEL UST AREA

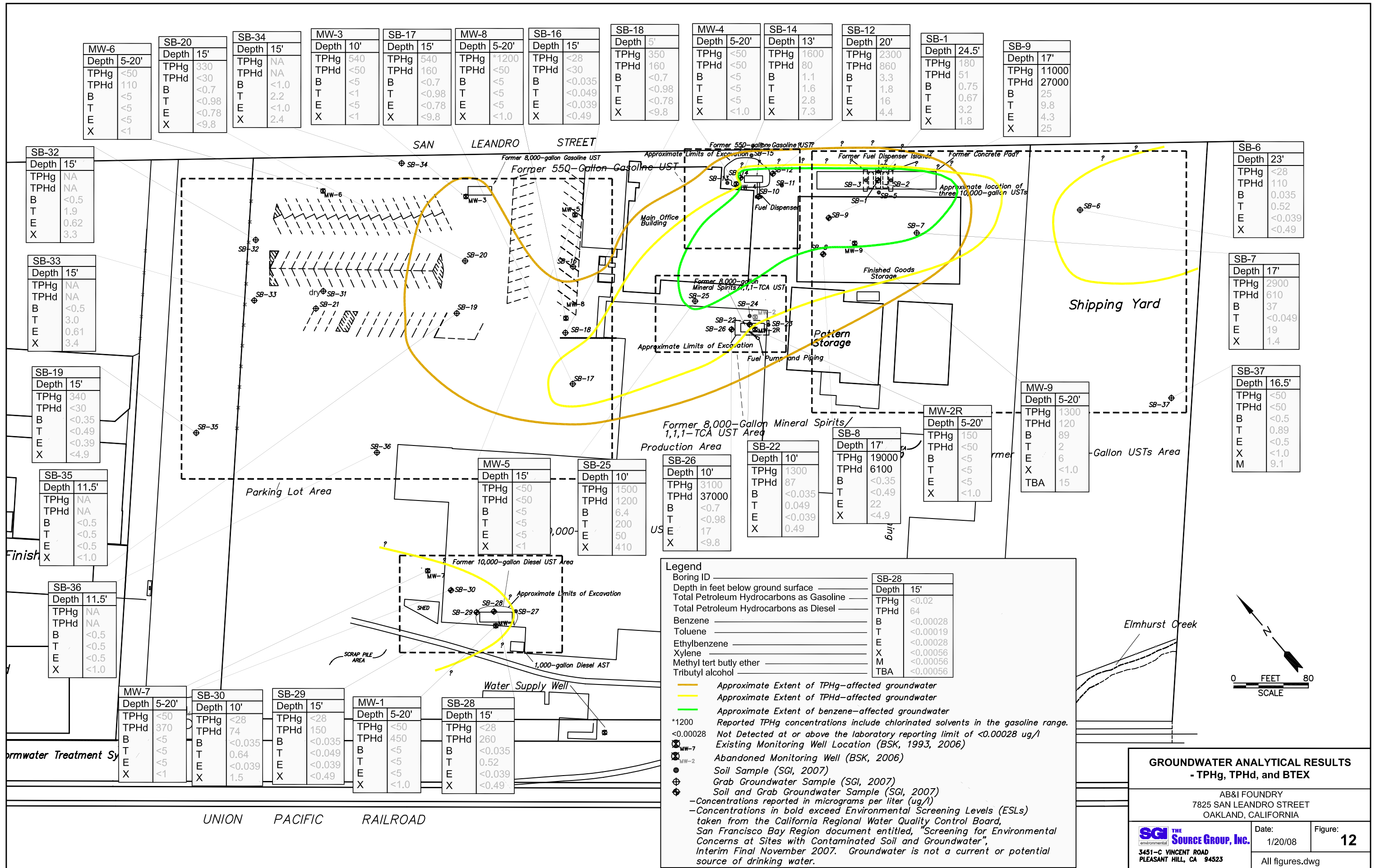
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Date:
 1/20/08

Figure:
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MW-6 Depth 5-20' TPHg <50 TPHd 110 B <0.5 T 1.9 E 0.62 X 3.3	SB-20 Depth 15' TPHg 330 TPHd <30 B <0.7 T <0.98 E <0.78 X <9.8	SB-34 Depth 15' TPHg NA TPHd NA B <1.0 T 2.2 E <1.0 X 2.4	MW-3 Depth 10' TPHg 540 TPHd <50 B <1 T <1 E <1 X <1	SB-17 Depth 15' TPHg 540 TPHd 160 B <0.7 T <0.98 E <0.78 X <9.8	MW-8 Depth 5-20' TPHg *1200 TPHd <50 B <0.5 T <0.5 E <0.5 X <1.0	SB-16 Depth 15' TPHg <28 TPHd <30 B <0.035 T <0.049 E <0.039 X <0.49	SB-18 Depth 5' TPHg 350 TPHd 160 B <0.7 T <0.98 E <0.78 X <9.8	MW-4 Depth 5-20' TPHg <50 TPHd <50 B <5 T <5 E <5 X <1.0	SB-14 Depth 13' TPHg 1600 TPHd 80 B 1.1 T 1.6 E 2.8 X 7.3	SB-12 Depth 20' TPHg 2300 TPHd 860 B 3.3 T 1.8 E 16 X 4.4	SB-1 Depth 24.5' TPHg 180 TPHd 51 B 0.75 T 0.67 E 3.2 X 1.8	SB-9 Depth 17' TPHg 11000 TPHd 27000 B 25 T 9.8 E 4.3 X 25
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SB-32 Depth 15' TPHg NA TPHd NA B <0.5 T 1.9 E 0.62 X 3.3

SB-33 Depth 15' TPHg NA TPHd NA B <0.5 T 3.0 E 0.61 X 3.4

SB-19 Depth 15' TPHg 340 TPHd <30 B <0.35 T <0.49 E <0.39 X <4.9
--

SB-35 Depth 11.5' TPHg NA TPHd NA B <0.5 T <0.5 E <0.5 X <1.0

SB-36 Depth 11.5' TPHg NA TPHd NA B <0.5 T <0.5 E <0.5 X <1.0

MW-7 Depth 5-20' TPHg <50 TPHd 370 B <5 T <5 E <5 X <1
--

SB-30 Depth 10' TPHg <28 TPHd 74 B <0.035 T 0.64 E <0.039 X 1.5

SB-29 Depth 15' TPHg <28 TPHd 150 B <0.035 T <0.049 E <0.039 X <0.49
--

MW-1 Depth 5-20' TPHg <50 TPHd 450 B <5 T <5 E <5 X <1.0
--

SB-28 Depth 15' TPHg <28 TPHd 260 B <0.035 T 0.52 E <0.039 X <0.49
--

Legend

- Approximate Extent of TPHg-affected groundwater
- Approximate Extent of TPHd-affected groundwater
- Approximate Extent of benzene-affected groundwater

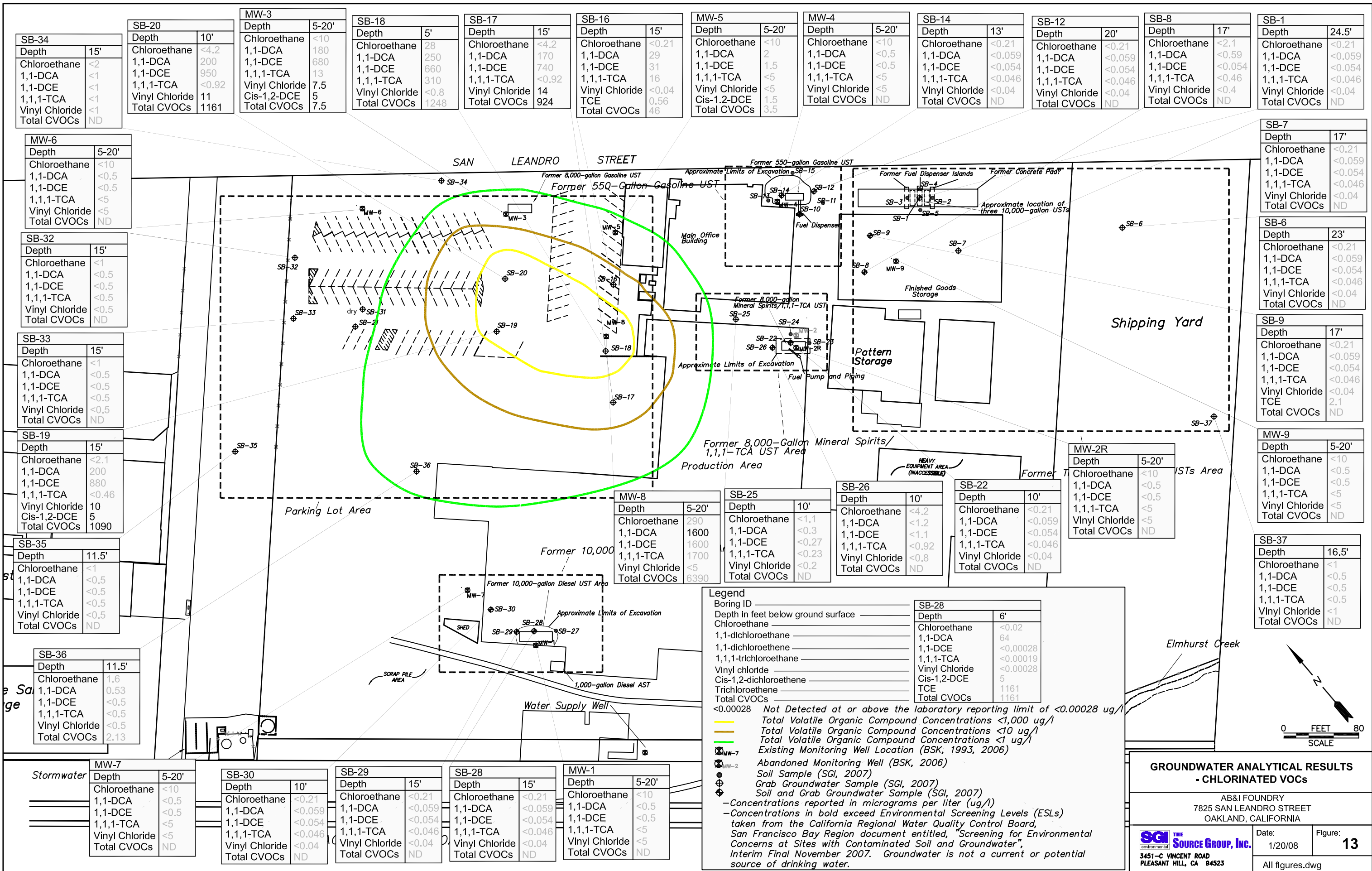
*1200 Reported TPHg concentrations include chlorinated solvents in the gasoline range.
 <0.00028 Not Detected at or above the laboratory reporting limit of <0.00028 ug/l
 MW-7 Existing Monitoring Well Location (BSK, 1993, 2006)
 MW-2 Abandoned Monitoring Well (BSK, 2006)
 Soil Sample (SGI, 2007)
 Grab Groundwater Sample (SGI, 2007)
 Soil and Grab Groundwater Sample (SGI, 2007)
 -Concentrations reported in micrograms per liter (ug/l)
 -Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Groundwater is not a current or potential source of drinking water.

GROUNDWATER ANALYTICAL RESULTS - TPHg, TPHd, and BTEX

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7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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PLEASANT HILL, CA 94523

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Figure: 12
All figures.dwg



SB-34	
Depth	15'
Chloroethane	<2
1,1-DCA	<1
1,1-DCE	<1
1,1,1-TCA	<1
Vinyl Chloride	<1
Total CVOCs	ND

SB-20	
Depth	10'
Chloroethane	<4.2
1,1-DCA	200
1,1-DCE	950
1,1,1-TCA	<0.92
Vinyl Chloride	11
Total CVOCs	1161

MW-3	
Depth	5-20'
Chloroethane	<10
1,1-DCA	180
1,1-DCE	680
1,1,1-TCA	13
Vinyl Chloride	7.5
Cis-1,2-DCE	5
Total CVOCs	7.5

SB-18	
Depth	5'
Chloroethane	28
1,1-DCA	250
1,1-DCE	660
1,1,1-TCA	310
Vinyl Chloride	<0.8
Total CVOCs	1248

SB-17	
Depth	15'
Chloroethane	<4.2
1,1-DCA	170
1,1-DCE	740
1,1,1-TCA	<0.92
Vinyl Chloride	14
Total CVOCs	924

SB-16	
Depth	15'
Chloroethane	<0.21
1,1-DCA	29
1,1-DCE	31
1,1,1-TCA	16
Vinyl Chloride	<0.04
TCE	0.56
Total CVOCs	46

MW-5	
Depth	5-20'
Chloroethane	<10
1,1-DCA	2
1,1-DCE	1.5
1,1,1-TCA	<5
Vinyl Chloride	<5
Cis-1,2-DCE	1.5
Total CVOCs	3.5

MW-4	
Depth	5-20'
Chloroethane	<10
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<5
Vinyl Chloride	<5
Total CVOCs	ND

SB-14	
Depth	13'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

SB-12	
Depth	20'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

SB-8	
Depth	17'
Chloroethane	<2.1
1,1-DCA	<0.59
1,1-DCE	<0.054
1,1,1-TCA	<0.46
Vinyl Chloride	<0.4
Total CVOCs	ND

SB-1	
Depth	24.5'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

MW-6	
Depth	5-20'
Chloroethane	<10
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<5
Vinyl Chloride	<5
Total CVOCs	ND

SB-32	
Depth	15'
Chloroethane	<1
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<0.5
Vinyl Chloride	<0.5
Total CVOCs	ND

SB-33	
Depth	15'
Chloroethane	<1
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<0.5
Vinyl Chloride	<0.5
Total CVOCs	ND

SB-19	
Depth	15'
Chloroethane	<2.1
1,1-DCA	200
1,1-DCE	880
1,1,1-TCA	<0.46
Vinyl Chloride	10
Cis-1,2-DCE	5
Total CVOCs	1090

SB-35	
Depth	11.5'
Chloroethane	<1
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<0.5
Vinyl Chloride	<0.5
Total CVOCs	ND

SB-36	
Depth	11.5'
Chloroethane	1.6
1,1-DCA	0.53
1,1-DCE	<0.5
1,1,1-TCA	<0.5
Vinyl Chloride	<0.5
Total CVOCs	2.13

MW-7	
Depth	5-20'
Chloroethane	<10
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<5
Vinyl Chloride	<5
Total CVOCs	ND

SB-30	
Depth	10'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

SB-29	
Depth	15'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

SB-28	
Depth	15'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

MW-1	
Depth	5-20'
Chloroethane	<10
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<5
Vinyl Chloride	<5
Total CVOCs	ND

SB-25	
Depth	10'
Chloroethane	<1.1
1,1-DCA	<0.3
1,1-DCE	<0.27
1,1,1-TCA	<0.23
Vinyl Chloride	<0.2
Total CVOCs	ND

SB-26	
Depth	10'
Chloroethane	<4.2
1,1-DCA	<1.2
1,1-DCE	<1.1
1,1,1-TCA	<0.92
Vinyl Chloride	<0.8
Total CVOCs	ND

SB-22	
Depth	10'
Chloroethane	<0.21
1,1-DCA	<0.059
1,1-DCE	<0.054
1,1,1-TCA	<0.046
Vinyl Chloride	<0.04
Total CVOCs	ND

MW-2R	
Depth	5-20'
Chloroethane	<10
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<5
Vinyl Chloride	<5
Total CVOCs	ND

SB-37	
Depth	16.5'
Chloroethane	<1
1,1-DCA	<0.5
1,1-DCE	<0.5
1,1,1-TCA	<0.5
Vinyl Chloride	<1
Total CVOCs	ND

Legend

Boring ID

Depth in feet below ground surface

Chloroethane

1,1-dichloroethane

1,1-dichloroethene

1,1,1-trichloroethane

Vinyl chloride

Cis-1,2-dichloroethene

Trichloroethene

Total CVOCs

<0.00028 Not Detected at or above the laboratory reporting limit of <0.00028 ug/l

<1,000 ug/l Total Volatile Organic Compound Concentrations

<10 ug/l Total Volatile Organic Compound Concentrations

<1 ug/l Total Volatile Organic Compound Concentrations

Existing Monitoring Well Location (BSK, 1993, 2006)

Abandoned Monitoring Well (BSK, 2006)

Soil Sample (SGI, 2007)

Grab Groundwater Sample (SGI, 2007)

Soil and Grab Groundwater Sample (SGI, 2007)

-Concentrations reported in micrograms per liter (ug/l)

-Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007. Groundwater is not a current or potential source of drinking water.

GROUNDWATER ANALYTICAL RESULTS - CHLORINATED VOCs

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Date: 1/20/08 Figure: 13

SGI THE SOURCE GROUP, INC.
3451-C VINCENT ROAD
PLEASANT HILL, CA 94523

All figures.dwg

TABLES

Table 1
Well Construction Details¹ and Groundwater Elevation Data for October 2007
 AB&I Foundry
 Oakland, CA

Well Number	Total Depth¹	Solid Casing²	Screened Interval³	Top of Casing (feet, msl⁴)	Depth to Water (feet, msl⁵)	Groundwater Elevation (feet, msl⁶)
MW-1	23	0-10	10.00 - 20.00	7.71	6.26	1.45
MW-2	17	0-8	8.00 - 17.00	NM	NM	Destroyed
MW-2R	20.5	0-5	5.00 - 20.00	5.53	4.27	1.26
MW-3	19.5	0-9	9.00 - 19.00	8.00	7.73	0.27
MW-4	26.5	0-10	10.00 - 25.00	8.59	7.15	1.44
MW-5	20.5	0-5	5.00 - 20.00	8.99	8.53	0.46
MW-6	20.5	0-5	5.00 - 20.00	8.29	9.08	-0.79
MW-7	20.5	0-5	5.00 - 20.00	8.70	6.99	1.71
MW-8	20.5	0-5	5.00 - 20.00	9.30	8.42	0.88
MW-9	20.5	0-5	5.00 - 20.00	6.07	4.27	1.80

Notes:

- 1) All values describe construction details in feet below ground surface
- 2) All monitoring wells constructed with 2.00" I.D. schedule 40 PVC; monitoring well MW-2 constructed with 4.00" I.D. schedule 40 PVC
- 3) All well casing includes .02" slotted screen
- 4) Top of casing elevation in feet above mean sea level (msl)
- 5) Depth to water below top of casing (btoc) measured on October 30, 2007
- 6) Groundwater elevation in feet above mean sea level (msl)

Table 2
Summary of Soil Gas Sample Results
AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Sample Matrix	PCE	Chloroethane	Benzene	Toluene	Ethylbenzene	m,p-xylene
Units	(feet)		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
RWQCB ESLs	Residential		0.41	21	0.084	63	210	21
	Commercial		1.4	58	0.28	180	580	58
Former 8,000-Gallon Mineral Spirits/ 1,1,1-TCA UST								
SG-1	5	Soil	<0.10	0.2	0.31	<0.20	<0.10	<0.20
SG-2	5	Soil	<0.10	<0.10	<0.080	<0.20	<0.10	<0.20
SG-3	5	Soil	<0.10	<0.10	<0.080	<0.20	<0.10	<0.20
Former 550-Gallon Gasoline UST								
SG-4	5	Soil	0.12	<0.10	0.11	0.22	2	0.63
SG-5	5	Soil	<0.84	<0.84	0.96	<0.84	13	3.4
SG-6	5	Soil	<0.10	<0.10	<0.080	<0.20	0.27	<0.20
Former Three 10,000-Gallon USTs								
SG-7	5	Soil	<0.10	<0.10	<0.080	<0.20	<0.10	<0.20
SG-8	5	Soil	<0.41	<0.41	<0.33	<0.41	1.7	0.48
SG-9	5	Soil	<0.10	<0.10	<0.080	<0.20	0.56	<0.20
Parking Lot Area								
SG-10	5	Soil	<0.10	<0.10	0.21	0.26	0.28	<0.20

Notes:

- (µg/l) - micrograms per liter
- PCE - tetrachloroethylene
- <0.20 - Not reported at or above laboratory's reporting limit of 0.20 µg/L
- 1,1,1-TCA - 1,1,1-Trichloroethane
- Samples analyzed using EPA Method 8260B by Airtoxics Laboratories, Folsom, California
- RWQCB ESLs - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007, commercial use ESLs.
- UST - underground storage tank

**Table 3
Summary of Soil Sample Results - Organics**

AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	MTBE	Chloroethane	Benzene	Ethylbenzene	Toluene	Xylenes, Total
Units	(feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RWQCB ESLs	Residential		100	100	8.4	10	0.12	33	29	31
	Commercial		450	150	8.4	11	0.26	33	29	100
Former Three 10,000-Gallon USTs										
SB-01-05	5	10/30/2007	<0.02	65	NA	NA	<0.00028	<0.00028	<0.00019	<0.00057
SB-01-10	10	10/30/2007	91	2.4	NA	NA	<0.42	<0.34	<0.42	<0.76
SB-01-20	20	10/30/2007	450	8.9	NA	NA	<0.41	4.9	<0.41	<0.75
SB-01-28	28	10/30/2007	0.39	<0.18	NA	NA	<0.00029	<0.00029	<0.00019	<0.00057
SB-02-03	3	10/30/2007	68	110	NA	NA	<0.42	<0.34	<0.42	<0.75
SB-02-15	15	10/30/2007	410	47	NA	NA	<0.41	7.4	1.5	30
SB-02-20	20	10/30/2007	1400	120	NA	NA	<1	27	<1	62
SB-02-25	25	10/30/2007	0.28	<0.18	NA	NA	<0.00029	<0.00029	<0.00019	<0.00058
SB-03-05	5	10/30/2007	<0.02	<0.18	NA	NA	<0.00028	<0.00028	0.008	<0.00057
SB-03-10	10	10/30/2007	1.3	1.4	NA	NA	0.0049	<0.00028	<0.00019	<0.00056
SB-03-15	15	10/30/2007	1400	660	NA	NA	<0.98	12	<0.98	<1.8
SB-03-25	25	10/30/2007	<0.021	<0.18	NA	NA	<0.0003	<0.0003	<0.0002	<0.0006
SB-04-10	10	10/30/2007	<0.02	<0.18	NA	NA	<0.00029	<0.00029	<0.00019	<0.00057
SB-04-15	15	10/30/2007	790	44	NA	NA	<0.11	2.4	<0.074	<0.22
SB-04-20	20	10/30/2007	470	4.3	NA	NA	<0.38	4	<0.38	<0.68
SB-04-24	24	10/30/2007	<0.021	<0.18	NA	NA	<0.0003	<0.0003	<0.0002	<0.0006
SB-05-05	5	10/31/2007	1.9	2700	NA	NA	<0.0003	<0.0003	<0.0002	<0.0006
SB-05-10	10	10/31/2007	4.1	<0.18	NA	NA	0.012	<0.0003	<0.0002	<0.00059
SB-05-20	20	10/31/2007	78	22	NA	NA	<0.42	<0.34	<0.42	<0.76
SB-05-25	25	10/31/2007	<0.02	<0.18	NA	NA	<0.00028	<0.00028	<0.00019	<0.00056
SB-08-15	15	10/31/2007	2.2	13	NA	NA	<0.00029	<0.00029	<0.00019	<0.00057
SB-08-20	20	10/31/2007	1.9	<0.18	NA	NA	<0.00027	<0.00027	<0.00018	<0.00054
SB-09-10	10	10/31/2007	4.6	240	NA	NA	<0.0003	<0.0003	<0.0002	<0.0006
SB-09-15	15	10/31/2007	160	450	NA	NA	<0.4	<0.33	<0.4	<0.73
Former 550-Gallon Gasoline UST										
SB-10-05	5	10/31/2007	320	50	NA	NA	<0.4	<0.33	<0.4	<0.73
SB-10-10	10	10/31/2007	450	38	NA	NA	<0.4	1.4	<0.4	<0.72
SB-10-15	15	10/31/2007	330	82	NA	NA	<0.4	<0.32	<0.4	<0.72
SB-10-20	20	10/31/2007	5.4	5.1	NA	NA	<0.00029	<0.00029	<0.00019	<0.00057
SB-10-25	25	10/31/2007	<0.02	<0.18	NA	NA	<0.00029	<0.00029	<0.00019	<0.00058
SB-11-05	5	11/1/2007	8.6	NA	NA	NA	<0.0006	<0.0006	<0.0004	<0.0012
SB-11-10	10	11/1/2007	71	NA	NA	NA	<0.38	<0.31	<0.38	<0.69
SB-11-20	20	11/1/2007	<0.021	NA	NA	NA	<0.0003	<0.0003	<0.0002	<0.00059
SB-12-05	5	11/1/2007	<0.02	NA	NA	NA	<0.00028	<0.00028	<0.00019	<0.00057

**Table 3
Summary of Soil Sample Results - Organics**

AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	MTBE	Chloroethane	Benzene	Ethylbenzene	Toluene	Xylenes, Total
Units	(feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RWQCB ESLs	Residential		100	100	8.4	10	0.12	33	29	31
	Commercial		450	150	8.4	11	0.26	33	29	100
SB-12-10	10	11/1/2007	<0.02	NA	NA	NA	<0.00028	<0.00028	<0.00019	<0.00057
SB-12-15	15	11/1/2007	250	NA	NA	NA	<0.39	<0.32	<0.39	<0.71
SB-12-25	25	11/1/2007	<0.02	NA	NA	NA	<0.00029	<0.00029	<0.00019	<0.00058
SB-13-05	5	11/1/2007	<0.019	NA	NA	NA	<0.00027	<0.00027	<0.00018	<0.00055
SB-13-10	10	11/1/2007	0.91	NA	NA	NA	<0.0003	<0.0003	<0.0002	<0.0006
SB-13-15	15	11/1/2007	78	NA	NA	NA	<0.38	<0.31	<0.38	<0.68
SB-13-25	25	11/1/2007	420	NA	NA	NA	<0.42	<0.34	<0.42	<0.75
SB-14-03	3	11/1/2007	<0.02	NA	NA	NA	<0.00028	<0.00028	<0.00019	<0.00056
SB-14-10	10	11/1/2007	<0.02	NA	NA	NA	<0.00029	<0.00029	<0.00019	<0.00058
SB-14-15	15	11/1/2007	30	NA	NA	NA	<0.00093	<0.00093	<0.00062	<0.0019
SB-15-05	5	11/1/2007	<0.019	NA	NA	NA	<0.00027	<0.00027	<0.00018	<0.00055
SB-15-10	10	11/1/2007	<0.02	NA	NA	NA	<0.00028	<0.00028	<0.00019	<0.00056
SB-15-15	15	11/1/2007	1100	NA	NA	NA	<0.39	<0.31	<0.39	<0.7
SB-15-19	19	11/1/2007	7.9	NA	NA	NA	<0.0004	0.019	<0.00026	<0.00079
Former 8,000-Gallon Mineral Spirits/ 1,1,1-TCA UST										
SB-22-03	3	11/2/2007	0.29	90	<0.00046	<0.00055	<0.00021	<0.00042	<0.00039	<0.0015
SB-22-05	5	11/2/2007	<0.02	16	<0.00046	<0.00055	<0.00021	<0.00042	<0.00039	<0.0015
SB-22-10	10	11/2/2007	0.99	150	<0.00045	<0.00053	<0.00021	<0.00041	<0.00038	<0.0015
SB-22-15	15	11/2/2007	<0.02	<0.18	<0.00047	<0.00055	<0.00021	<0.00042	<0.0004	<0.0016
SB-23-03	3	11/2/2007	2.1	110	<0.00045	0.055	<0.0002	<0.00041	<0.00038	<0.0015
SB-23-05	5	11/2/2007	0.45	190	<0.00044	<0.00053	<0.0002	<0.0004	<0.00038	<0.0015
SB-23-10	10	11/2/2007	0.25	69	<0.00044	<0.00053	<0.0002	<0.0004	<0.00037	<0.0015
SB-23-15	15	11/2/2007	<0.02	<0.18	<0.00045	<0.00053	<0.00021	<0.00041	<0.00038	<0.0015
SB-24-03	3	11/2/2007	1.2	170	<0.091	<0.11	<0.042	<0.083	<0.077	<0.31
SB-24-05	5	11/2/2007	1.1	61	<0.00044	0.022	<0.0002	<0.0004	<0.00037	<0.0015
SB-24-10	10	11/2/2007	0.69	<0.18	<0.00046	<0.00054	<0.00021	<0.00042	<0.00039	<0.0015
SB-24-20	20	11/2/2007	<0.02	<0.18	<0.00045	<0.00054	<0.00021	<0.00041	<0.00038	<0.0015
SB-26-04	4	11/2/2007	380	5800	<8.9	<11	<4.1	<8.1	<7.6	<30
SB-26-10	10	11/2/2007	72	19	<0.093	<0.11	<0.043	<0.084	<0.079	<0.31
SB-26-15	15	11/2/2007	<0.02	<0.18	<0.00046	<0.00055	<0.00021	<0.00042	<0.00039	<0.0016

**Table 3
Summary of Soil Sample Results - Organics**

AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	MTBE	Chloroethane	Benzene	Ethylbenzene	Toluene	Xylenes, Total
Units	(feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RWQCB ESLs	Residential		100	100	8.4	10	0.12	33	29	31
	Commercial		450	150	8.4	11	0.26	33	29	100
Former 10,000-Gallon Diesel UST										
SB-27-3	3	11/5/2007	NA	100	NA	NA	NA	NA	NA	NA
SB-27-5	5	11/5/2007	NA	6	NA	NA	NA	NA	NA	NA
SB-27-10	10	11/5/2007	NA	<0.18	NA	NA	NA	NA	NA	NA
SB-27-15	15	11/5/2007	NA	<0.18	NA	NA	NA	NA	NA	NA
SB-28-06	6	11/2/2007	<0.02	64	<0.00056	NA	<0.00028	<0.00028	<0.00019	<0.00056
SB-28-10	10	11/2/2007	<0.019	120	<0.00055	NA	<0.00027	<0.00027	<0.00018	<0.00055
SB-28-15	15	11/2/2007	<0.021	<0.18	NA	NA	<0.0003	<0.0003	<0.0002	<0.00059
SB-29-6	6	11/5/2007	NA	13	NA	NA	NA	NA	NA	NA
SB-29-10	10	11/5/2007	NA	<0.18	NA	NA	NA	NA	NA	NA
SB-29-15	15	11/5//2007	NA	<0.18	NA	NA	NA	NA	NA	NA
SB-28-20	20	11/2/2007	<0.02	<0.18	NA	NA	<0.00029	<0.00029	<0.00019	<0.00058

Notes:

- MTBE - Methyl tert butyl ether <0.005 - Not reported at or above laboratory's reporting limit of 0.005 mg/kg
- (mg/kg) - milligrams per kilogram UST - underground storage tank
- TPHg - Total Petroleum Hydrocarbons as Gasoline 1,1,1-TCA - 1,1,1-Trichloroethane
- TPHd - Total Petroleum Hydrocarbons as Diesel

-TPHg, BTEX, VOCs and fuel oxygenates analyzed using EPA Method 8260B by Test America Laboratories (TAL), Pleasanton, California

-TPHd analyzed using EPA Method 8015M with silica gel cleanup by TAL, Pleasanton, California

RWQCB ESLs - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007, groundwater is not a current or potential source of drinking water.

-Concentrations in bold exceed commercial ESLs for shallow soil (less than 3 meters).

Table 4
Summary of Soil Sample Results - PAHs
AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	Naph-thalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]anthracene	Chrysene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Indeno[1,2,3-cd]pyrene	Benzo[g,h,i]perylene	2-Methylnaphthalene	Dibenz(1,h)anthracene
Units	(feet)		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
RWQCB ESLs	Residential		1.3	160	410	40	40	40	500	0.38	40	0.38	0.38	0.038	0.62	35	12	0.062
	Commercial		2.8	160	1000	40	40	40	1000	1.3	40	1.3	1.3	0.13	2.1	35	12	0.21
Former 8,000-Gallon Mineral Spirits/ 1,1,1-TCA UST																		
SB-26-4	4	11/2/2007	2100	1300	1300	4500	1300	3100	2400	1100	1300	1000	450	960	460	380	630	140
SB-26-10	10	11/2/2007	0.76	0.65	0.57	2.0	0.42	1.2	0.92	0.38	0.26	0.29	0.090	0.23	0.10	0.084	0.32	<0.067
SB-26-15	15	11/2/2007	<0.067	<0.067	<0.067	0.15	<0.067	0.12	0.085	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067

Notes:

(mg/kg) -milligrams per kilogram

<0.067 - Not reported at or above laboratory's reporting limit of 0.067 mg/kg

-Polycyclic Aromatic Hydrocarbons (PAHs) analyzed using EPA Method 8270BC by Test America Laboratories (TAL), Pleasanton, California

RWQCB ESLs - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007, groundwater is not a current or potential source of drinking water.

-Concentrations in bold exceed commercial ESLs for shallow soil (less than 3 meters)

Table 5
Summary of Soil Sample Results - Metals
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Sample ID	Depth	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Units	(feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RWQCB ESLs	Residential		6.1	0.38	750	4	1.7	750	40	230	200	1	40	150	10	20	1.2	15	600
	Commercial		40	15	1500	8	7.4	750	80	230	750	1	40	150	10	40	15	190	600
Background			<10	42	410	1.1	5.6	120	25	63	57	0.5	<5	270	5.1	3	10	90	140
Former Three 10,000-Gallon USTs																			
SB-01-05	5	10/30/2007	<0.05	4.2	160	0.67	<0.0033	37	6.8	22	19	0.065	1.1	32	<0.11	<0.013	<0.072	31	44
SB-01-10	10	10/30/2007	<0.051	6.8	130	0.66	<0.0033	36	7.8	20	3.8	0.09	<0.042	34	<0.11	<0.013	<0.073	37	30
Former 550-Gallon Gasoline UST																			
SB-13-05	5	11/1/2007	<0.05	5.5	190	1.7	<0.0033	310	6.1	77	36	<0.00099	7.1	32	7.8	2.7	16	480	320
SB-13-10	10	11/1/2007	<0.05	4	140	0.5	<0.0032	37	11	21	4.6	0.056	<0.041	27	<0.1	<0.013	<0.071	40	32
Former 8,000-Gallon Mineral Spirits/ 1,1,1-TCA UST																			
SB-22-05	5	11/2/2007	<0.053	4.3	150	<0.0036	<0.0035	40	12	22	5	0.058	<0.044	30	<0.11	<0.014	<0.076	44	36
SB-22-10	10	11/2/2007	<0.05	14	180	0.59	<0.0032	48	18	42	130	0.11	2.6	42	<0.1	<0.013	<0.071	48	110
SB-24-20	20	11/2/2007	<0.047	2.6	300	<0.0032	<0.0031	35	13	23	5	<0.00096	<0.039	41	<0.099	<0.012	<0.068	30	37
SB-26-10	10	11/2/2007	<0.051	5.8	100	0.59	<0.0033	53	17	34	4.9	0.06	<0.042	67	<0.11	<0.013	<0.073	72	100
SB-26-15	15	11/2/2007	<0.05	2.2	120	0.54	<0.0032	35	7.9	18	4	0.053	<0.041	44	<0.1	<0.013	<0.071	31	35
SB-26-04	4	11/2/2007	3.1	13	19	<0.0034	<0.0033	130	10	240	28	<0.001	19	87	<0.11	<0.013	<0.073	35	57
Former 10,000-Gallon Diesel UST																			
SB-28-06	6	11/2/2007	2.4	3.9	330	0.68	3.4	31	3	60	970	0.11	3.6	15	<0.1	<0.013	<0.071	12	550
SB-28-10	10	11/2/2007	<0.053	10	130	<0.0035	<0.0034	11	5.4	21	110	0.51	<0.044	11	<0.11	<0.014	<0.075	22	120

Notes:
 (mg/kg) - milligrams per kilogram
 <0.0033 - Not reported at or above laboratory's reporting limit of 0.0033 mg/kg
 UST - underground storage tank
 1,1,1-TCA - 1,1,1-Trichloroethane
 -CAM 17 Metals analyzed using EPA Method 6010B/7471A by Test American Laboratories (TAL), Pleasanton, California
 RWQCB ESLs - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007, groundwater is not a current or potential source of drinking water.
 -Concentrations in bold exceed commercial ESLs for shallow soil (less than 3 meters).
 -Background data obtained from Lawrence Berkeley National Laboratory Environmental Restoration Program, Soil Management Plan, 2006.

Table 6
Summary of Groundwater Sample Results - Organics
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	MTBE	TBA	1,1 - DCA	1,1 - DCE	cis 1,2-DCE	Benzene	Chloro-ethane	1,2-Dichloro-benzene	Ethyl-benzene	Naphthalene	Toluene	1,1,1-TCA	TCE	Vinyl chloride	Xylenes, Total
Units	(feet)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
RWQCB ESLs ¹			5,000	2,500	1,800	50,000	1,000	6,300	6,200	540	160	100	300	210	400	50,000	530	3.8	5,300
RWQCB ESLs ²			100	100	5	NE	5	6	6	1	12	10	30	17	40	200	5	0.5	20
Former Three 10,000-Gallon USTs																			
MW-9	5-20	10/25/2007	1300	120	<0.50	15	<0.50	<0.50	<0.5	89	<10	<0.50	6	<1	2	<5	<0.50	<5	<1
SB-01-GW24.5	24.5	10/30/2007	180	51	<0.13	<2.3	<0.059	<0.054	<0.11	0.75	<0.21	<0.05	3.2	1.5	0.67	<0.046	<0.063	<0.04	1.8
SB-06-GW23	23	10/31/2007	<28	110	<0.13	<2.3	<0.059	<0.054	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	0.52	<0.046	<0.063	<0.04	<0.49
SB-07-GW17	17	10/31/2007	2900	610	<0.13	<2.3	<0.059	<0.054	<0.11	37	<0.21	<0.05	19	17	<0.049	<0.046	<0.063	<0.04	1.4
SB-7-GW17 (D)	17	10/31/2007	4600	450	NA	NA	<0.059	<0.054	<0.11	45	<0.21	<0.05	17	16	<0.049	<0.046	<0.063	<0.04	1.7
SB-08-GW17	17	10/31/2007	19000	6100	<6.3	<2.3	<0.59	<0.054	<1.1	<0.35	<2.1	<0.5	22	15	<0.49	<0.46	<0.63	<0.4	<4.9
SB-09-GW17	17	10/31/2007	11000	27000	<6.3	<2.3	<0.059	<0.054	<0.11	25	<0.21	1.5	4.3	2.7	9.8	<0.046	2.1	<0.04	25
SB-37-GW16.5	16.5	11/27/2007	<50	<50	9.1	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.89	<0.50	<0.50	<0.50	<1.0
SB-37-GW16.5 (D)	16.5	11/27/2007	NA	NA	11	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.91	<0.50	<0.50	<0.50	<0.50
Former 550-Gallon Gasoline UST																			
MW-4	5-20	10/24/2004	<50	<50	<0.50	<5.0	<0.50	<0.50	<0.5	<5	<10	<0.50	<5	<1	<5	<5	<0.50	<5	<1
SB-12-GW20	20	11/2/2007	2300	860	0.57	<2.3	<0.059	<0.054	<0.11	3.3	<0.21	<0.05	16	1.6	1.8	<0.046	<0.063	<0.04	4.4
SB-14-GW13	13	11/1/2007	1600	80	<0.25	<2.3	<0.059	<0.054	<0.11	1.1	<0.21	<0.05	2.8	<0.096	1.6	<0.046	<0.063	<0.04	7.3
Former 8,000-Gallon Mineral Spirits/ 1,1,1-TCA UST																			
MW-2R	5-20	10/25/2007	150	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<5	<10	<0.50	<5	<1	<5	<5	<0.50	<5	<1
SB-22-GW10	10	11/2/2007	1300	87	<0.13	<2.3	<0.059	<0.054	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	<0.049	<0.046	<0.063	<0.04	<0.49
SB-25-GW10	10	11/2/2007	1500	1200	<0.13	<2.3	<0.3	<0.27	<0.53	6.4	<1.1	<0.25	50	<0.48	200	<0.23	<0.32	<0.2	410
SB-26-GW10	10	11/2/2007	3100	37000	<0.13	<2.3	<1.2	<1.1	<2.1	<0.7	<4.2	<1	17	630	<0.98	<0.92	<1.3	<0.8	<9.8
Parking Lot Area																			
MW-3	5-20	10/24/2007	540	<50	<0.50	<5.0	180	680	5	<5	<10	<0.50	<5	<1	<5	13	<0.50	7.5	<1
MW-5	5-20	10/25/2007	<50	<50	<0.50	<5.0	2	1.5	1.5	<5	<10	<0.50	<5	<1	<5	<5	<0.50	<5	<1
MW-6	5-20	10/24/2007	<50	110	<0.50	<5.0	<0.50	<0.50	<0.50	<5	<10	<0.50	<5	<1	<5	<5	<0.50	<5	<1
MW-8	5-20	10/25/2007	1200	<50	<0.50	<5.0	1600	1600	<0.50	<5	290	<0.50	<5	<1	<5	1700	<0.50	<5	<1
SB-16-GW15	15	11/1/2007	<28	<30	<0.13	<2.3	29	31	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	<0.049	16	0.56	<0.04	<0.49
SB-16-GW15 (D)	15	11/1/2007	220	<30	<0.13	<2.3	26	35	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	<0.049	18	0.63	<0.04	<0.49
SB-17-GW15	15	11/1/2007	540	160	NA	NA	170	740	<2.1	<0.7	<4.2	<1	<0.78	<1.9	<0.98	<0.92	<1.3	14	<9.8
SB-18-GW05	5	11/5/2007	330	160	<0.13	<2.3	250	660	<2.1	<0.7	28	<1	<0.78	<1.9	<0.98	310	<1.3	<0.8	<9.8
SB-19-GW15	15	11/5/2007	340	<30	<0.13	<2.3	200	880	5	<0.35	<2.1	<0.5	<0.39	<0.96	<0.49	<0.46	<0.63	10	<4.9
SB-20-GW15	15	11/5/2007	330	<30	<0.13	<2.3	200	950	<2.1	<0.7	<4.2	<1	<0.78	<1.9	<0.98	<0.92	<1.3	11	<9.8
SB-32-GW15	15	11/27/2007	NA	NA	<5.0	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.62	<1.0	1.9	<0.50	<0.50	<0.50	3.3
SB-33-GW15	15	11/27/2007	NA	NA	<5.0	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.61	<1.0	3.0	<0.50	<0.50	<0.50	3.4
SB-34-GW15	15	11/27/2007	NA	NA	<10	NA	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	2.2	<1.0	<1.0	<1.0	2.4
SB-35-GW11.5	11.5	11/27/2007	NA	NA	<5.0	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0
SB-36-GW11.5	11.5	11/26/2007	NA	NA	<5.0	NA	0.53	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0
Former 10,000-Gallon Diesel UST																			
MW-1	5-20	10/25/2007	<50	450	<0.50	<5.0	<0.50	<0.50	<5	<5	<10	<0.50	<5	<1	<5	<5	<0.50	<5	<1
MW-7	5-20	10/25/2007	<50	370	<0.50	<5.0	<0.50	<0.50	<5	<5	<10	<0.50	<5	<1	<5	<5	<0.50	<5	<1
SB-28-GW15	15	11/2/2007	<28	260	<0.13	<2.3	<0.059	<0.054	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	0.52	<0.046	<0.063	<0.04	<0.49
SB-29-GW15	15	11/5/2007	<28	150	<0.13	<2.3	<0.059	<0.054	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	<0.049	<0.046	<0.063	<0.04	<0.49

**Table 6
Summary of Groundwater Sample Results - Organics**

AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	MTBE	TBA	1,1 - DCA	1,1 - DCE	cis 1,2-DCE	Benzene	Chloro-ethane	1,2-Dichloro-benzene	Ethyl-benzene	Naphthalene	Toluene	1,1,1-TCA	TCE	Vinyl chloride	Xylenes, Total
Units	(feet)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
RWQCB ESLs¹			5,000	2,500	1,800	50,000	1,000	6,300	6,200	540	160	100	300	210	400	50,000	530	3.8	5,300
RWQCB ESLs²			100	100	5	NE	5	6	6	1	12	10	30	17	40	200	5	0.5	20
SB-30-GW10	10	11/2/2007	<28	74	<0.13	<2.3	<0.059	<0.054	<0.11	<0.035	<0.21	<0.05	<0.039	<0.096	0.64	<0.046	<0.063	<0.04	1.5

Notes:

- (µg/L) - micrograms per Liter
- (D) - duplicate sample
- 1,1,1-TCA - 1,1,1-Trichloroethane
- UST - Underground Storage Tank
- TPHg - Total Petroleum Hydrocarbons as Gasoline
- TPHd - Total Petroleum Hydrocarbons as Diesel
- MTBE - Methyl tert butyl ether
- TBA - Tert butyl alcohol
- cis-1,2-DCE - Cis-1,2-dichloroethylene
- <0.50 - Not reported at or above laboratory's reporting limit of 0.50 µg/L
- NA - Analyte not sampled for
- TPHg, BTEX, VOCs and fuel oxygenates analyzed using EPA Method 8260B by Test America Laboratories (TAL), Pleasanton, California
- TPHd analyzed using EPA Method 8015M with silica gel cleanup by TAL, Pleasanton, California
- Concentrations in bold exceed ESLs for groundwater as a current or potential source of drinking water

RWQCB ESLs¹ - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007, groundwater is not a current or potential source of drinking water.

RWQCB ESLs² - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007, groundwater is a current or potential source of drinking water.

Table 7
Summary of Natural Attenuation Parameters
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Well ID	Screened Interval	Date	Methane	Chloride	Sulfate	Alkalinity	Bicarbonate	Ferrous Fe	Mn
Units	(feet)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	5-20	10/25/2007	<10	69,000	340,000	330,000	330,000	1,600	2,300
MW-2R	5-20	10/25/2007	1,600	110,000	55,000	590,000	590,000	3,900	2,600
MW-3	5-20	10/24/2007	2,300	250,000	190,000	850,000	850,000	220	1,300
MW-4	5-20	10/24/2004	3,500	21,000	51,000	350,000	350,000	1,200	1,700
MW-5	5-20	10/25/2007	23	130,000	33,000	650,000	650,000	380	1,800
MW-6	5-20	10/24/2007	12	210,000	140,000	960,000	960,000	420	1,000
MW-7	5-20	10/25/2007	11,000	110,000	1,700	710,000	710,000	2,900	340
MW-8	5-20	10/25/2007	3,100	200,000	61,000	750,000	750,000	310	690
MW-9	5-20	10/25/2007	9,000	130,000	9,700	720,000	720,000	2,900	3,900

Notes:

- (mg/L) - milligrams per liter
- Mn -manganese
- Fe -iron
- methane analyzed using RSK Method by Test America Laboratories (TAL), Pleasanton, California
- chloride and sulfate analyzed using EPA Method 300.0 by TAL
- alkalinity and bicarbonate analyzed using SM 2320B by TAL
- ferrous iron analyzed using SM 3500 FE D by TAL
- manganese analyzed using EPA Method 6010B by TAL

APPENDIX A

HISTORICAL SOIL AND GROUNDWATER DATA

UST REMOVAL DATA



**REMOVAL OF 8,000-GALLON CAPACITY
UNDERGROUND GASOLINE STORAGE TANK
AMERICAN BRASS & IRON
OAKLAND, CALIFORNIA**

**October 15, 1991
LF 2408**

Prepared for:

**American Brass & Iron
7825 San Leandro Avenue
Oakland, California**



LEVINE·FRICKE

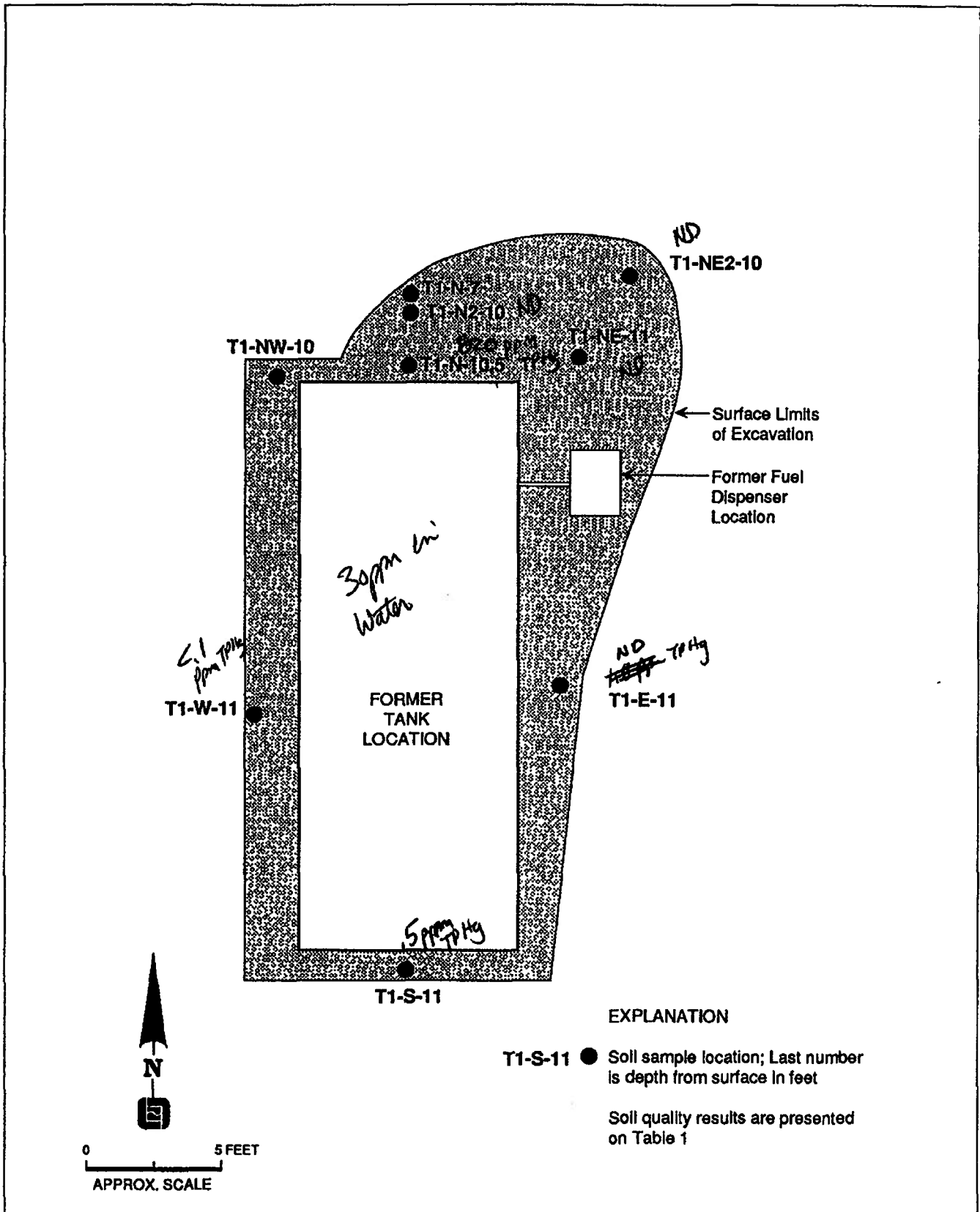


Figure 2: PLAN SHOWING SOIL SAMPLE LOCATIONS

TABLE 1

SOIL- AND WATER-QUALITY RESULTS
 8,000-GALLON UNDERGROUND GASOLINE TANK REMOVAL
 AMERICAN BRASS & IRON FOUNDRY
 7825 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

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=====
Sample   Date   Depth  TPH as  Benzene  Toluene  Ethyl-  Xylenes
Number  Collected (feet) Gasoline **          benzene
-----
Soil Samples (results in milligrams per kilogram [mg/kg])
-----
T1-N-10.5 * 08-Aug-91  10.5  820      <13      <13      40      120
T1-S-11      08-Aug-91  11     0.5     <0.005   <0.005   0.018   0.06
T1-W-11      08-Aug-91  11    <0.1    <0.005   <0.005   <0.005   <0.005
T1-NE-11 *  08-Aug-91  11     1.8     0.11     0.01     0.19     0.11
T1-E-11      19-Aug-91  11    <0.1    <0.005   <0.005   <0.005   <0.005
T1-N2-10     19-Aug-91  10    <0.1    <0.005   <0.005   <0.005   <0.005
T1-NE2-10    19-Aug-91  10    <0.1    <0.005   <0.005   <0.005   <0.005
T1-N-7       26-Aug-91  7     <0.1    <0.005   <0.005   <0.005   <0.005
T1-NW-10     26-Aug-91  10    <0.1    <0.005   <0.005   <0.005   <0.005
T2-SP-W      12-Sep-91  ---   <0.1    <0.005   <0.005   <0.005   <0.005
T2-SP-W      12-Sep-91  ---   0.70    <0.02    <0.02    <0.02    <0.02

Water Samples (results in milligrams per liter [mg/l])
-----
T1-WATER *  08-Aug-91  -   30.000   0.310   0.260   2.300   14.000
Pit Water   20-Aug-91  -    0.150   0.0032  0.0026  0.0062  0.026
=====
    
```

NOTES:

All samples were analyzed by BC Analytical Laboratory, Emeryville, California.

Excavation depth to water was 10.5 feet on August 8, 1991, and 9.5 feet on August 20, 1991.

Samples T2-SP-W and T2-SP-E were post-aeration stockpile samples from soil excavated around the tank.

TPH = Total Petroleum Hydrocarbons

* These samples do not represent existing native soils and ground water due to re-excavation and ground-water pumping.

** TPH as gasoline is reported by BC Analytical Laboratory as C6 to C12 hydrocarbons.



Environmental Impact Study
Underground Gasoline Storage Tank
American Brass & Iron
Oakland, California

January 31, 1992
LF 2408

Prepared for:

American Brass & Iron
7825 San Leandro Street
Oakland, California



LEVINE·FRICKE

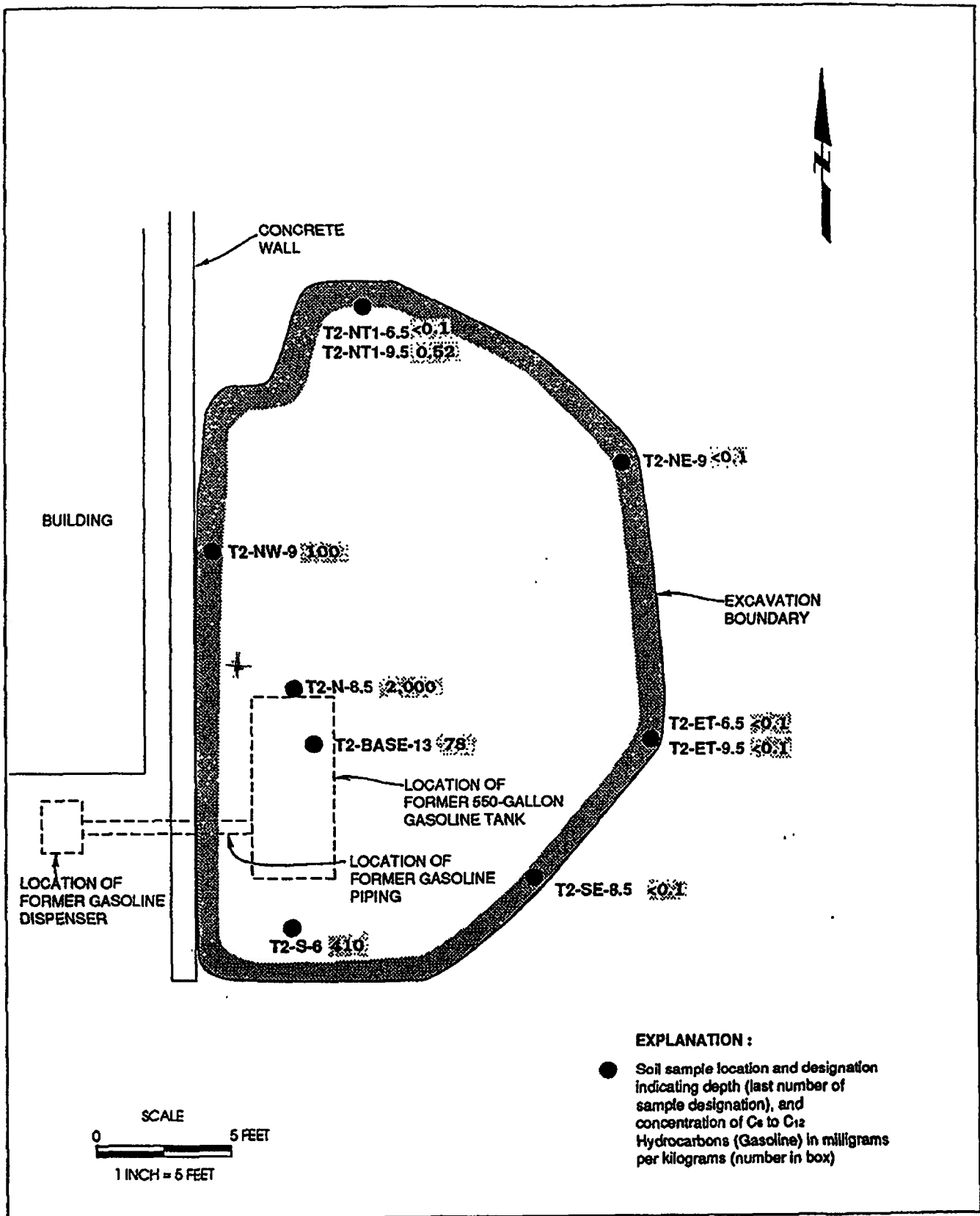


Figure 2 : SITE PLAN SHOWING FORMER TANK LOCATION, EXCAVATION AND SOIL SAMPLE LOCATIONS

TABLE 1

SOIL QUALITY RESULTS
 550-GALLON UNDERGROUND GASOLINE TANK REMOVAL
 AMERICAN BRASS AND IRON FOUNDRY
 7825 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA
 (all results in milligrams per kilogram (mg/kg))

Sample Number	Date Collected	Depth (feet)	TPH as* Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	Organic Lead
T2-N-8.5**	26-Aug-91	8.5	2000	<2	8	15	81	<1
T2-S-6**	26-Aug-91	6	410	<2	3	14	15	<1
T2-NT1-6.5	04-Sep-91	6.5	<0.1	<0.005	<0.005	0.010	0.006	----
T2-NT1-9.5	04-Sep-91	9.5	0.52	<0.005	0.011	0.029	0.060	----
T2-ET-6.5	04-Sep-91	6.5	<0.1	<0.005	<0.005	<0.005	<0.005	----
T2-ET-9.5	04-Sep-91	9.5	<0.1	<0.005	<0.005	0.009	0.014	----
T2-SE-8.5	12-Sep-91	8.5	0.1	<0.005	<0.005	0.027	0.019	----
T2-NE-9	12-Sep-91	9	<0.1	<0.005	<0.005	0.013	0.012	----
T2-BASE-13	12-Sep-91	13	78	<0.05	0.21	0.2	3.3	----
T2-NW-9	12-Sep-91	9	100	<0.05	0.52	3.1	3.1	----
SP2-N	27-Sep-91	1	0.3	<0.005	<0.005	0.010	0.012	----
SP2-S	27-Sep-91	1	<0.1	<0.005	<0.005	<0.005	<0.005	----

NOTES:

All samples were analyzed by BC Analytical Laboratory, Emeryville, California.

Samples SP2-N and SP2-S were post-aeration stockpile samples from soil excavated around the tank. The depth refers to the depth from the top of the stockpile.

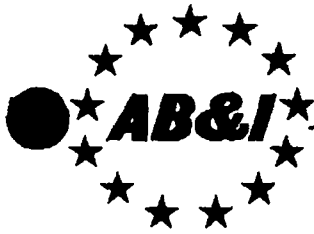
Static ground water was not encountered.

TPH - Total Petroleum Hydrocarbons

* - TPH as gasoline is reported by BC Analytical Laboratory as C6 to C12 hydrocarbons.

** - These samples do not represent existing native soils due to re-excavation

---- - Not analyzed



AMERICAN BRASS & IRON FOUNDRY

7825 San Leandro Street • Oakland, CA 94621 • (510) 632-3467
Fax No. (510) 632-8035

Solvent (TCA)
REMOVAL OF 8,000 GALLON CAPACITY
UNDERGROUND ~~GASOLINE~~ STORAGE TANK
AT AMERICAN BRASS & IRON FOUNDRY
OAKLAND, CA 94621

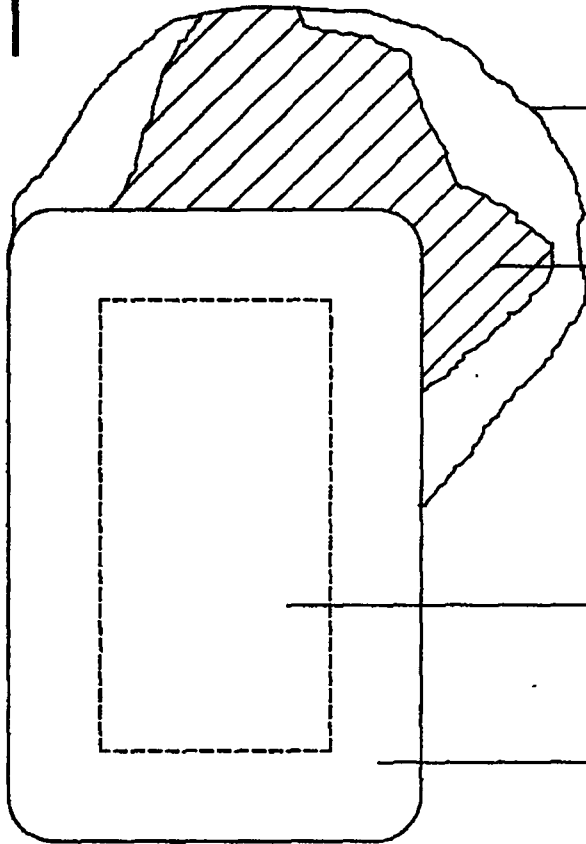
APRIL 4, 1992

PREPARED BY: DAVE ROBINSON
ENVIRONMENTAL ENGINEERING MANAGER



REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPD



REMEDIAATION EXCAVATION

OBSERVED TAR LAYER CONTAMINATION

UNDERGROUND STARGE TANK

ORIGINAL EXCAVATION



AMERICAN BRASS & IRON FOUNDRY

7825 San Leandro Street, Oakland, CA 94621

REMOVAL PROJECT
UNDERGROUND SOLVENT
STORAGE TANK

NEXT ASSY	USED ON	DATE	3/3/92	DRAWN	JR	DRAWING NO.	REV
		SCALE	NONE	CHECKED		A-FC-005	
APPLICATION		FILE NAME: UST		PLOT: 1=4		SHEET 1 OF 1	



TABLE 2

SOIL- AND WATER-QUALITY RESULTS
 AMERICAN BRASS AND IRON FOUNDRY
 8,000 GALLON 1,1,1,-TCA TANK REMOVAL
 7825 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Sample Number	Date Collected	Depth (feet)	Petroleum Hydrocarbons						EPA 8010 Analytes				
			TPH as* Gasoline	TPH as** Diesel	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1,1,-Tri-chloroethane	1,1- Di-chloroethane	1,1 Di-chloroethene	Chloro-ethane	
Soil Samples (results in milligrams per kilogram [mg/kg])													
										<i>PR6 ind mg/kg 3000</i>	<i>3400</i>	<i>.082</i>	<i>2200</i>
T3-N-10	04-Oct-91	10	500	34	<2	<2	3	6	<0.1	<0.1	<0.1	<0.1	<0.1
T3-N2-8	04-Oct-91	8	0.6	<1	<0.005	<0.005	0.015	0.6	----	----	----	----	----
T3-S-10	04-Oct-91	10	----	----	----	----	----	----	0.14	0.05	<0.01	<0.01	<0.01
T3-SP-1	04-Oct-91	1	13	7	<0.02	<0.02	0.12	0.39	1.30	0.50	0.06	0.67	0.67
T3-SP-2	04-Oct-91	2	18	8	<0.02	<0.02	0.16	0.34	0.19	0.23	0.02	1.10	1.10
T3-E-7.5	04-Oct-91	7.5	<0.1	<1	<0.005	<0.005	<0.005	<0.005	0.02	0.03	<0.01	0.33	0.33
Water Samples (results in milligrams per liter [mg/l])													
T3-GRAB	04-Oct-91		11.000	----	0.130	0.310	0.260	2.200	22.000	4.900	<.100	7.000	7.000

NOTES:

All samples were analyzed by BC Analytical Laboratory, Emeryville, California (BCA).

TPH = Total Petroleum Hydrocarbons

* TPH as gasoline is reported by BC Analytical Laboratory as C6 to C12 Hydrocarbons

** TPH as diesel is reported by BC Analytical Laboratory as C8 to C12 Hydrocarbons

---- Samples were not analyzed for the above analytes.

< Concentrations below laboratory detection limits.

No other EPA 8010 analytes were detected in these samples.

Samples T3-SP-1 and T3-SP-2 were collected from a stockpile of soils around the tank.



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AMERICAN BRASS & IRON FOUNDRY

7825 San Leandro Street • Oakland, CA 94621 • (510) 632-3467
Fax No. (510) 632-8035

September 8, 1992

Mr. Barney Chan
Hazardous Materials Specialists
ALAMEDA COUNTY HEALTH AGENCY
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

**Subject: Report on Removal of 12,000 Gallon Capacity
Underground Diesel Fuel Storage Tank,
American Brass & Iron Foundry,
Oakland, California**

Dear Mr. Chan:

In accordance with Alameda County Health Agency and Tri-Regional Board Staff Recommendations for Underground Storage Tank Removal Procedures, please find enclosed American Brass & Iron Foundry's closure report for the removal of an on site 12,000 gallon storage tank.

The closure report reflects a portion of the initial underground storage tank closure plan submitted to Alameda County Health Agency on August 1, 1991. It is our intention to address all groundwater monitoring programs at the completion of the overall tank removal project at AB&I. Information on soil geology and groundwater contamination for surrounding property locations are being reviewed in order to fully evaluate a soil groundwater investigation.

If you require further information or have additional questions, please feel free in contacting me at (510) 632-3467 ext. 211.

Sincerely,

Dave Robinson
Environmental Engineering Manager

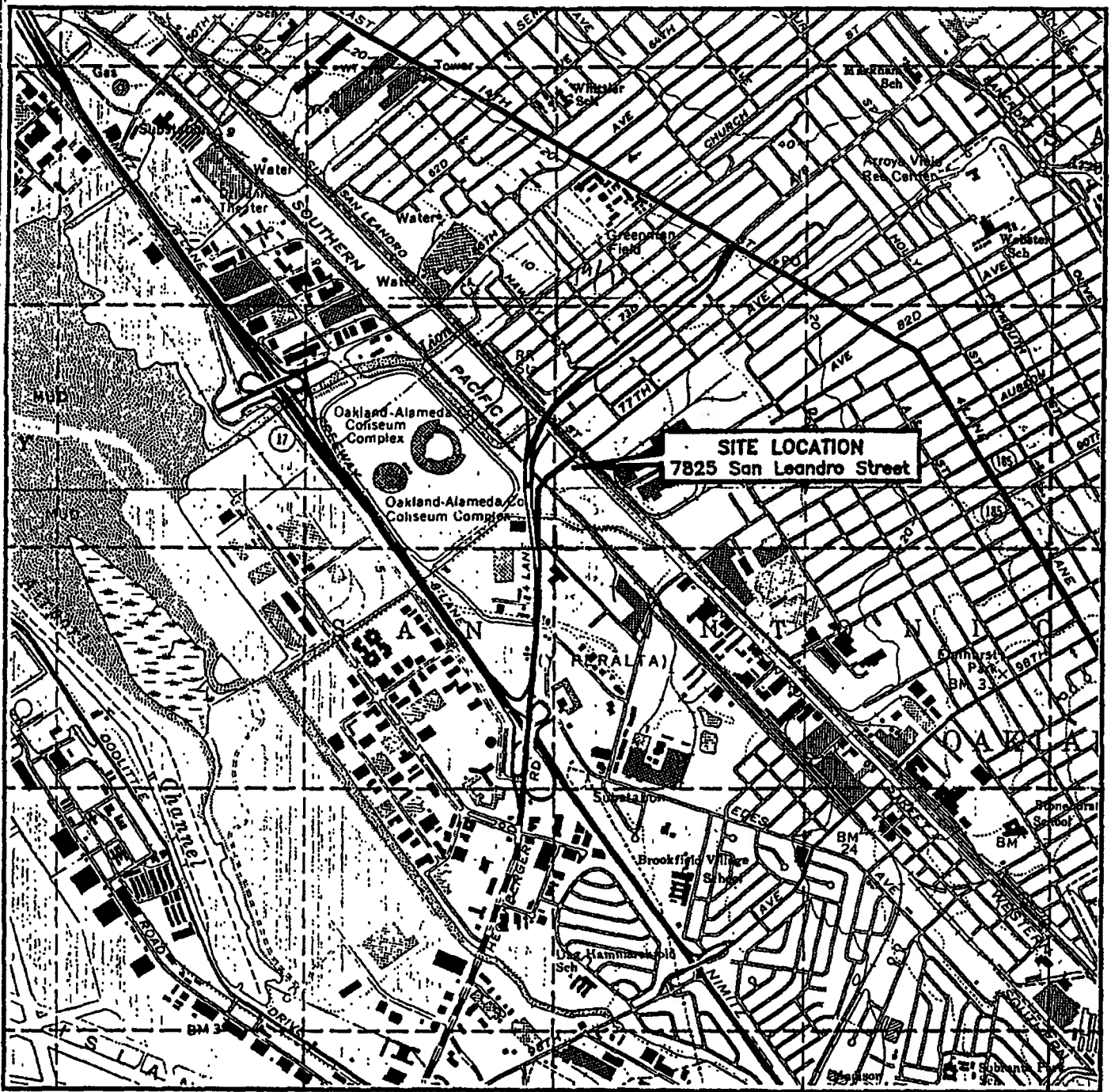
cc: Lester Feldman, Regional Water
Quality Control Board

John Sturman, Levine*Fricke
Consultants

SEP 11 1992



FIGURE 1.0
Site Location Map



4181
4180
4178
4177
4176

569 570 571 572 573

MAP SOURCE: U.S.G.S. 7.5' Quadrangle, San Leandro/Oakland East, California, 1980.

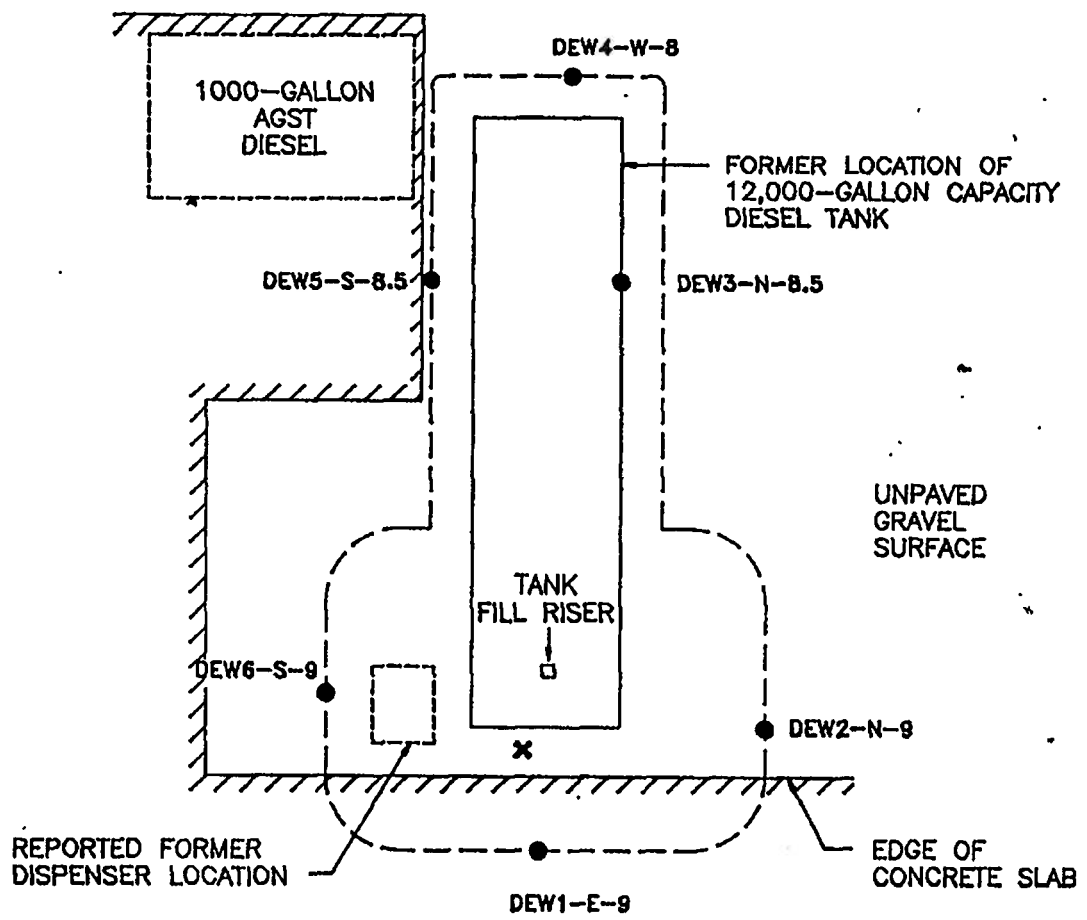
SCALE



1 INCH = 2,000 FEET

2498-A06

Figure 1 : SITE VICINITY



EXPLANATION

- Soil sample location (depth in feet is last number)
- ✕ Excavation water sample location



Figure 2 : PLAN SHOWING FORMER TANK AND SOIL SAMPLE LOCATIONS

TABLE 1
 Soil and Water Quality Results
 American Brass & Iron Foundry
 12,000 Gallon Diesel Tank Removal
 7825 San Leandro Street
 Oakland, CA

<u>Sample Number</u>	<u>Date Collected</u>	<u>Depth (feet)</u>	<u>Extractable Hydrocarbons as Diesel (mg/kg)</u>	<u>Benzene</u>	<u>BTEX (Soil Matrix)</u> Method EPA 8020		<u>Xylenes, Total</u>
					<u>Toluene</u>	<u>Ethylbenzene</u>	
Soil Samples (results in milligrams per kilogram [mg/kg])							
DEW 1-E-9	6-5-92	9	ND	ND	ND	ND	ND
DEW 2-N-9	6-5-92	9	ND	ND	ND	ND	ND
DEW 3-N-8.5	6-5-92	8.5	ND	-	-	-	-
DEW 4-W-8	6-5-92	8	ND	ND	ND	ND	ND
DEW 5-5-8.5	6-5-92	8.5	ND	-	-	-	-
DEW 6-5-9	6-5-92	9	2	ND	ND	ND	ND
Water Samples (results in milligrams per liter [mg/l])							
D-Groundwater	6-5-92	10	6.8	ND	ND	ND	ND

NOTES:

All samples were analyzed by Quanteo Laboratories.

HISTORICAL SOIL AND GROUNDWATER DATA

Table A-1
Cumulative Groundwater Elevation Data
 AB&I Foundry
 Oakland, California

Well ID	Date	Groundwater Elevation (ft)
MW-1	03/10/93	2.29
	08/20/93	2.05
	12/03/93	2.04
	03/04/94	1.29
	06/10/94	2.55
	09/09/94	2.14
	12/16/95	3.65
	07/14/06	3.43
	08/17/06	1.50
10/24/07	1.45	
MW-2	03/10/93	3.41
	08/20/93	2.30
	12/03/93	2.39
	03/04/94	3.14
	06/10/94	2.73
	09/09/94	2.38
	03/17/95	3.79
	06/23/95	3.05
	09/06/95	2.80
	12/16/95	3.30
	01/18/96	3.56
	04/26/96	3.56
	02/03/97	2.85
	10/24/07	Removed
MW-2R	08/18/06	-2.50
	10/24/07	1.26
MW-3	03/10/93	2.53
	08/20/93	1.55
	12/03/93	1.72
	03/04/94	2.54
	06/10/94	2.12
	09/09/94	1.74
	12/16/95	2.69
	03/17/95	3.05
	06/23/95	2.31
	09/06/95	1.85
	01/18/96	2.46
	04/26/96	2.46
	02/03/97	2.86
	07/14/06	2.77
08/17/06	1.13	
10/24/07	0.27	

Table A-1
Cumulative Groundwater Elevation Data
 AB&I Foundry
 Oakland, California

Well ID	Date	Groundwater Elevation (ft)
MW-4	03/10/93	3.45
	08/20/93	1.29
	12/03/93	1.47
	03/04/94	2.25
	06/10/94	1.78
	09/09/94	1.43
	03/17/95	2.93
	06/23/95	2.04
	09/06/95	1.60
	12/16/95	2.48
	01/18/96	2.37
	04/26/96	2.37
	02/03/97	2.69
	07/14/06	1.76
	08/18/06	NS
10/24/07	1.44	
MW-5	08/17/06	1.31
	10/24/07	0.47
MW-6	08/17/06	0.26
	10/24/07	-0.79
MW-7	08/17/06	0.60
	10/24/07	1.71
MW-8	08/17/06	1.36
	10/24/07	0.88
MW-9	08/23/06	1.86
	10/24/07	1.80
NS - Well Not Surveyed		

Table A- 2
Summary of Analytical Results
Petroleum Hydrocarbon Related Constituents (ug/L)

AB&I Foundry
7825 San Leandro Street
Oakland, California

Well Number	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	
MW-1	03/10/93	--	--	--	830	--	--	0.6	ND	ND	ND	--	--	--	--	--	--	
	08/20/93	--	--	--	2,100	--	--	2.2	3.7	4.5	17	--	--	--	--	--	--	
	12/03/93	--	--	--	3,200	--	--	ND	ND	ND	ND	--	--	--	--	--	--	
	03/04/94	--	--	--	710	--	--	1.1	ND	ND	ND	--	--	--	--	--	--	
	06/10/94	--	--	--	490	--	--	ND	ND	ND	ND	--	--	--	--	--	--	
	09/09/94	--	--	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	
	12/16/94	--	--	--	180	--	--	0.6	ND	ND	ND	--	--	--	--	--	--	
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/14/06	--	--	--	--	160	--	<50	<0.3	<0.3	<0.3	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
	10/25/07	NA	NA	NA	NA	450	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
MW-2	03/10/93	1.0	ND	--	--	--	920	ND	0.8	ND	ND	--	--	--	--	--	--	
	08/20/93	ND	ND	--	--	--	720	2.9	4.2	6.3	25	--	--	--	--	--	--	
	12/03/93	ND	ND	--	--	--	900	ND	250	19	5.1	--	--	--	--	--	--	
	03/04/94	ND	ND	--	--	--	420	ND	ND	ND	3.6	--	--	--	--	--	--	
	06/10/94	2,000	2,000	--	--	--	920	ND	ND	ND	ND	--	--	--	--	--	--	
	09/09/94	2.0	2.0	--	--	--	830	ND	ND	ND	ND	--	--	--	--	--	--	
	12/16/94	ND	ND	--	--	--	130	ND	0.2	ND	ND	--	--	--	--	--	--	
	03/17/95	--	1.0	--	--	--	320	4.9	ND	ND	ND	--	--	--	--	--	--	
	06/23/95	ND	ND	--	--	--	190	ND	ND	ND	ND	--	--	--	--	--	--	
	09/06/95	ND	ND	--	--	--	110	ND	ND	ND	ND	--	--	--	--	--	--	
	01/18/96	ND	ND	--	--	--	120	ND	ND	ND	ND	--	--	--	--	--	--	
	04/26/96	ND	ND	--	--	--	500	ND	ND	ND	ND	--	--	--	--	--	--	
	02/03/97	ND	ND	--	--	--	250	ND	ND	ND	1.7	--	--	--	--	--	--	
	07/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	MW-2R	08/18/06	--	--	--	260	--	510	0.62	2.6	0.53	0.85	<0.5	<0.5	<0.5	<0.5	<20	<2.5
10/25/07		NA	NA	NA	<50	<1	150	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50	
MW-3	03/10/93	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	

Table A- 2
Summary of Analytical Results
Petroleum Hydrocarbon Related Constituents (ug/L)

AB&I Foundry
7825 San Leandro Street
Oakland, California

Well Number	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
	08/20/93	--	--	--	--	--	190	7.2	9.3	8.6	31	--	--	--	--	--	--
	12/03/93	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	03/04/94	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	06/10/94	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	09/09/94	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	12/16/94	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	03/17/95	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	09/06/95	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	04/26/96	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	02/03/97	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--
	07/14/06	--	--	--	<50	<5.0	93	1.2	<0.3	<0.3	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
	10/24/07	NA	NA	NA	<50	<1	540	<5	<5	<5	<1	<5.0	<0.50	<0.50	<1.0	<5.0	<5.0
MW-4	03/10/93	--	--	58	--	--	1,800	1.0	2.0	7.6	19	--	--	--	--	--	--
	08/20/93	--	--	ND	--	--	350	5.6	4.9	7.5	22	--	--	--	--	--	--
	12/03/93	--	--	ND	--	--	1,100	ND	ND	1.4	2.8	--	--	--	--	--	--
	03/04/94	--	--	ND	--	--	50	ND	0.9	ND	1.1	--	--	--	--	--	--
	06/10/94	--	--	ND	--	--	460	4.3	ND	1.8	4.3	--	--	--	--	--	--
	09/09/94	--	--	ND	--	--	150	0.4	ND	0.7	1.3	--	--	--	--	--	--
	12/16/94	--	--	86	--	--	100	0.4	0.4	ND	1.2	--	--	--	--	--	--
	03/17/95	--	--	ND	--	--	62	ND	ND	ND	ND	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	180	ND	ND	0.9	1.7	--	--	--	--	--	--
	09/06/95	--	--	--	--	--	420	9.4	1.4	6.3	6.2	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	90	0.8	ND	1.2	0.9	--	--	--	--	--	--
	04/26/96	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	02/03/97	--	--	--	--	--	110	ND	ND	0.53	ND	--	--	--	--	--	--
	07/14/06	--	--	--	82	9.9	1,200	11	2.8	18	9.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
	10/24/07	NA	NA	NA	<50	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
MW-5	08/17/06	--	--	--	80	<1.0	<50	0.56	0.7	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
	10/25/07	NA	NA	NA	<50	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50

Table A- 2
Summary of Analytical Results
Petroleum Hydrocarbon Related Constituents (ug/L)
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Well Number	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
MW-6	08/17/06	--	--	--	110	<1.0	<50	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
	10/24/07	NA	NA	NA	110	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
MW-7	08/17/06	--	--	--	520	<1.0	<50	<0.3	0.35	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
	10/25/07	NA	NA	NA	370	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
MW-8	08/17/06	--	--	--	78	<5.0	640	1.9	<0.3	<0.3	<0.3	<2.5	<2.5	<2.5	<2.5	<100	<2.5
	10/25/07	NA	NA	NA	<50	<1	1,200	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<25
MW-9	08/17/06	--	--	--	440	<40	7,400	250	11	51	14	<50	<50	<50	<50	<500	<40
	10/25/07	NA	NA	NA	120	<1	1,300	89	2	6	<1	<0.50	<0.50	<0.50	<1.0	15	<1.0

Notes:

- NA = Not detected above laboratory reportable detection limit.
- < = Not detected above laboratory indicated reportable detection limit.
- = Not analyzed.

Table A-3
Summary of Analytical Results
Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons (ug/L)
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Well Number	Date	Bromoform	Chlorodibromomethane	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	Isopropylbenzene	n-Propylbenzene	Other 8260B Analytes	Polycyclic Aromatic Hydrocarbons EPA 8270C	
MW-1	03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
	08/20/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/03/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/04/94	--	--	--	--	--	--	--	--	--	--	--	--	--	
	06/10/94	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/09/94	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/16/94	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--	--	
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--	--	
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--	--	
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/14/06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	--
	08/17/06	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
10/25/07	NA	NA	<10	NA	NA	<5	NA	<5	<5	NA	NA	NA	NA	-	
MW-2	03/10/93	0.6	ND	5.0	1.7	ND	ND	ND	6.7	6.7	6.7	6.7	--	--	
	08/20/93	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	12/03/93	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	03/04/94	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	3.6	--	--	
	06/10/94	ND	ND	4.2	0.6	ND	ND	ND	0.8	0.8	0.8	0.8	--	--	
	09/09/94	ND	ND	1.4	0.8	ND	ND	ND	ND	ND	ND	ND	--	--	
	12/16/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	03/17/95	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	06/23/95	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	09/06/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	01/18/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	04/26/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
02/03/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--		

Table A-3
Summary of Analytical Results
Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons (ug/L)
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Well Number	Date	Bromoform	Chlorodibromomethane	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	Isopropylbenzene	n-Propylbenzene	Other 8260B Analytes	Polycyclic Aromatic Hydrocarbons EPA 8270C
	07/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
	Well Abandoned													
MW-2R	08/18/06	<2.5	<2.5	390.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	ND	ND
	10/25/07	NA	NA	<10	NA	NA	<0.50	NA	<5	<5	NA	NA	NA	-
MW-3	03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/93	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/03/93	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/06	<20	<20	<20	200	960	<20	<20	<20	<20	<20	<20	ND	ND
	10/24/07	NA	NA	<10	NA	NA	5.0	NA	13.0	7.5	NA	NA	NA	-
MW-4	03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/93	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/03/93	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/94	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-3
Summary of Analytical Results
Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons (ug/L)
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California

Well Number	Date	Bromoform	Chlorodibromomethane	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane	Vinyl Chloride	Isopropylbenzene	n-Propylbenzene	Other 8260B Analytes	Polycyclic Aromatic Hydrocarbons EPA 8270C
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	--
	10/24/07	NA	NA	<10	NA	NA	<0.5	NA	<5	<5	NA	NA	NA	-
MW-5	08/17/06	2.2	0.96	4.8	4.8	1.2	3.1	1.0	<5.0	<5.0	<5.0	<5.0	ND	ND
	10/25/07	NA	NA	<10	NA	NA	1.5	NA	<5	<5	NA	NA	NA	-
MW-6	08/17/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND
	10/24/07	NA	NA	<10	NA	NA	<0.5	NA	<5	<5	NA	NA	NA	-
MW-7	08/17/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND
	10/25/07	NA	NA	<10	NA	NA	<5	NA	<5	<5	NA	NA	NA	-
MW-8	08/17/06	<2.5	<2.5	100	560	900	<2.5	<2.5	1,000	7.4	1,000	7.4	ND	ND
	10/25/07	NA	NA	290	NA	NA	<0.5	NA	1,700	<5	NA	NA	NA	-
MW-9	08/23/06	<40	<40	<40	<40	<40	<40	<40	<40	<40	53	62	ND	ND
	10/25/07	NA	NA	<10	NA	NA	<0.5	NA	<5	<5	NA	NA	NA	-

Notes:

- NA = Not detected above laboratory reportable detection limit.
- < = Not detected above laboratory indicated reportable detection limit.
- = Not analyzed.

Table A-4
Historical Summary of Soil Sample Analytical Results, Metals
 AB&I Foundry
 7825 San Leandro Street
 Oakland, California
 BSK Consultants, Inc.

Sample ID	Depth	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Other EPA 8260B Analytes	1,1,1-TCE	1,1-DCA	1,1-DCE	Chloroethane
Units	(feet)		(mg/kg)																	(ug/Kg)				
RWQCB ESLs	Residential		6.1	0.38	750	4	1.7	750	40	230	200	1	40	150	10	20	1.2	15	600					
	Commercial		40	15	1500	8	7.4	750	80	230	750	1	40	150	10	40	15	190	600					
MW-5	2	8/12/2006	<10	4.2	96	<1	<1	25	7.1	49	19	<0.1	<5	26	<1	<2	<2	29	64	--	--	--	--	--
MW-5	5	8/12/2006	<10	4.8	250	<1	<1	41	12	31	8.8	<0.1	<5	48	<1	<2	<2	42	53	--	--	--	--	--
MW-5	8	8/12/2006	<10	4.3	100	<1	<1	48	9.9	36	8.7	<0.1	<5	49	<1	<2	<2	49	61	ND	<5.0	<5.0	<5.0	<5.0
MW-5	10	8/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	<5.0	<5.0	<5.0	<5.0
MW-5	15	8/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	<5.0	<5.0	<5.0	<5.0
MW-5	20	8/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	<5.0	<5.0	<5.0	<5.0
MW-6	2.5	8/12/2006	<10	6.6	350	<1	<1	42	9.1	27	220	<0.1	<5	63	<1	<2	<2	32	47	--	--	--	--	--
MW-6	5	8/12/2006	<10	3.7	220	<1	<1	40	12	34	8.2	<0.1	<5	54	<1	<2	<2	42	59	--	--	--	--	--
MW-6	8	8/12/2006	<10	8.1	240	<1	<1	40	33	38	18	<0.1	<5	68	<1	<2	<2	52	58	--	--	--	--	--
MW-7	2	8/12/2006	<10	99	3200	<1	2.7	110	8.6	220	190	1.5	<5	46	9.6	<2	<2	12	540	--	--	--	--	--
MW-7	8	8/12/2006	<10	5.1	270	<1	<1	45	7.6	120	330	<0.1	<5	40	<1	<2	<2	44	350	--	--	--	--	--
MW-8	2	8/12/2006	<10	4.7	230	<1	<1	49	16	40	51	0.88	<5	64	<1	<2	<2	50	61	--	--	--	--	--
MW-8	5	8/12/2006	<10	8.1	280	<1	<1	46	13	30	23	<0.1	<5	50	<1	<2	<2	45	60	--	--	--	--	--
MW-8	8	8/12/2006	<10	6.2	310	<1	<1	45	23	32	10	<0.1	<5	61	<1	<2	<2	48	57	--	--	--	--	--
MW-8	15	8/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	190	65	140	7.1
MW-8	20	8/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	200	86	160	12
MW-9	2	8/18/2006	<10	5.1	210	<1	<1	37	9	26	170	0.13	<5	43	<1	<2	<2	29	150	--	--	--	--	--
MW-9	5	8/18/2006	<10	4.7	410	1.1	<1	80	16	52	15	0.1	<5	92	<1	<2	<2	71	100	--	--	--	--	--
MW-9	8	8/18/2006	<10	1.8	150	<1	<1	41	9.7	19	6	0.13	<5	57	<1	<2	<2	28	51	--	--	--	--	--

Notes:

- NA - not analyzed
- ND - not reported at or above laboratory's reporting limit
- < - not detected above laboratory indicated reportable detection limit
- (mg/kg) - milligrams per kilogram
- (ug/Kg) - micrograms per kilogram

- 1,1,1-TCA - 1,1,1-Trichloroethane
- 1,1-DCA - 1,1-DCA Dichloroethane
- 1,1-DCE - 1,1-DCE Dichloroethane

RWQCB ESLs - Environmental Screening Levels taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," Interim Final November 2007.

**Table A-5
Historical Summary of Analytical Results
Monitoring Well Soil Samples (mg/kg)**

AB&I Foundry
7825 San Leandro Street
Oakland, California
February 1993

Well Number	Depth	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-1	11	--	--	--	34	ND	ND	ND	ND	ND
MW-2	10.5	3,500	3,500	--	140	63	ND	0.039	ND	0.008
MW-3	10	--	--	--	--	ND	ND	ND	ND	ND
MW-4	14.5	--	--	--	--	2,100	ND	ND	ND	ND
MW-4	25.5	--	--	--	--	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reportable detection limit.

-- = Not analyzed.

APPENDIX B

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 07/31/2007 By jamesy

Permit Numbers: W2007-0848
Permits Valid from 10/22/2007 to 11/30/2007

Application Id: 1185403813879
Site Location: 7825 San Leandro Street

City of Project Site:Oakland

Project Start Date: 08/06/2007
Extension Start Date: 10/22/2007
Extension Count: 2

Completion Date:08/15/2007
Extension End Date: 11/30/2007
Extended By: suel

Applicant: The Source Group, Inc. - Nathan Colton
3451-C Vincent Road, Pleasant Hill, CA 94523
Property Owner: Allan Boscacci
7825 San Leandro Street, Oakland, CA 94621
Client: Dave Robinson
7825 San Leandro Street, Oakland, CA 94621
Contact: Nathan Colton

Phone: 925-944-2856
Phone: --
Phone: --
Phone: 925-944-2856
Cell: 510-323-5705

	Total Due:	\$200.00
	Total Amount Paid:	\$200.00
Receipt Number: WR2007-0339	Payer Name : The Source Group, Inc.	PAID IN FULL
	Paid By: CHECK	

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 17 Boreholes
Driller: Vironex - Lic #: 705927 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0848	07/31/2007	11/04/2007	17	2.00 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities

Alameda County Public Works Agency - Water Resources Well Permit

or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

5. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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

APPENDIX C

BORING LOGS



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-1

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 9:10	FINISH DATE/ TIME	10/30/2007 11:10
FIRST WATER (BGS):	21.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	30'	BORING DIAMETER/DEPTH:	3 1/4" / 30'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		No recovery.	
	X				2		Silty gravelly clay, medium brown, moist (fill).	
					3			
	X				4			
					5			
					6			
		300			7			
					8			
	X				9			
					10			Clay (CL), black (5Y, 2.5/1), moist, stiff, medium plasticity, no odor.
					11			
					12			
					13			
	X	1300			14			
					15			
					16			
					17			
					18		Same as above, but more moist, softer, petroleum odor.	
					19			
					20			



THE SOURCE GROUP, Inc.

BORING/WELL ID:

SB-1

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 9:10	FINISH DATE/ TIME	10/30/2007 11:10
FIRST WATER (BGS):	21.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	30'	BORING DIAMETER/DEPTH:	3 1/4" / 30'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Sandy gravel (SP), coarse grained, wet, poorly sorted, loose, no odor, gravel pieces.	
					21	▼		
		0.9			22			
					23			
	X				24		Silty clay (CL), light yellowish brown (10YR, 6/4), wet, medium plasticity, no odor.	
					25			
					26			
					27			
	X				28			
					29			
					30		Bottom of Boring 30'	
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-2

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 11:15	FINISH DATE/ TIME	10/30/2007 1245
FIRST WATER (BGS):	16'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
	X				2		Silty Gravelly Clay(fill), olive brown, moist, stiff, medium plasticity, strong petroleum odor.	
					3			
	X				4			
					5			
					6			
		300			7			
					8			
	X				9			
					10		Clay (CL), black, moist, very stiff, medium plasticity, petroleum odor.	
					11			
					12			
					13			
	X				14			
					15			
					16		Sandy gravel (SP), dark gray, coarse grained subangular gravel 1/4" to 1/2", wet, petroleum odor.	
					17			
					18			
					19		Clay (CL), olive brown, moist, stiff, medium plasticity, petroleum odor.	
					20			



THE SOURCE GROUP, Inc.

BORING/WELL ID:

SB-2

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 11:15	FINISH DATE/ TIME	10/30/2007 12:45
FIRST WATER (BGS):	16'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
		1400			20		Sandy gravel (SP), coarse grained, sub-angular 1/4" to 1/2", poorly sorted, wet, no odor.	
					21			
					22			
					23			
	X	2			24		Clay (CL), medium brown, wet, tight, medium plasticity, no odor.	
					25		Bottom of Boring 25'	
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-3

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 1340	FINISH DATE/ TIME	10/30/2007 1420
FIRST WATER (BGS):	21'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2			
	X				3		Gravely sand (SP) with chunks of asphalt, reddish brown, moist, sub-angular, (fill).	
	X				4		Gravely sand (SP) with chunks of asphalt, reddish brown, moist, sub-angular, (fill).	
					5			
					6		No recovery.	
					7			
		140			8			
	X				9			
					10			
					11			
					12		Clay (CL), gray, wet, soft, medium plasticity, petroleum odor.	
					13			
	X	120			14			
					15			
					16			
					17			
					18			
					19			
	X	112			20		Clay (CL), gray, wet, stiff, medium plasticity, petroleum odor.	



THE SOURCE GROUP, Inc.

BORING/WELL ID:

SB-3

PROJECT NAME AND ADDRESS:		AB&I Foundry		Project No.	01-ABI-001
BORING LOCATION (AT SITE):		3 10,000 Gallon USTs		Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe			
SAMPLING METHOD:		Continuous	MONITORING DEVICE:		MiniRae 2000
START DATE/ (TIME):		10/30/2007 13:40:00 AM		FINISH DATE/ TIME	
FIRST WATER (BGS):		21'		STABILIZED WATER LEVEL:	
SURFACE ELEVATION:				CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		25'		BORING DIAMETER/DEPTH:	
				3 1/4" / 25'	

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20	▼		
					21		Sand (SP), medium grained, wet, loose, no odor.	
					22		Sandy gravel, coarse grained, sub-angular 1/2" to 3/4", poorly sorted, no odor.	
					23			
					24		Silty clay (CL), light to medium brown, wet, stiff, medium plasticity, no odor.	
	X	0			25		Bottom of Boring 25'	
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-4

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 14:30	FINISH DATE/ TIME	10/30/2007 15:20
FIRST WATER (BGS):	21.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	24'	BORING DIAMETER/DEPTH:	3 1/4" / 24'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2		Gravely sand (SP) with chunks of asphalt, reddish brown, moist, sub-angular, (fill).	
	X				3			
					4		Clay (CL), black, moist, stiff, medium plasticity, no odor.	
	X				5		No recovery.	
					6			
					7			
					8		Clay (CL), black, moist, stiff, medium plasticity, no odor.	
					9			
	X				10			
					11			
					12			
					13			
					14			
	X				15			
		700			16			
					17			
					18			
					19			
	X				20			
		200						



THE SOURCE GROUP, Inc.

BORING/WELL ID:

SB-4

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/30/2007 14:30	FINISH DATE/ TIME	10/30/2007 15:20
FIRST WATER (BGS):	21.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	24'	BORING DIAMETER/DEPTH:	3 1/4" / 24'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Gravelly sand (SP) with	
					21	▲	Sandy gravel, coarse grained, sub-angular 1/4" to 3/4", wet, no odor.	
					22			
	⊗				23		Clay (CL), black, moist, stiff, medium plasticity, no odor. Refusal @ 24'	
					24		Bottom of Boring 24'	
					25			
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-5

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	3 10,000 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/31/2007 8:00	FINISH DATE/ TIME	10/31/2007 8:52
FIRST WATER (BGS):	21.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
	X				2		Clay (CL), black with pieces at gravel 3/4" subangular, tight, medium plasticity, petroleum odor.	
					3			
	X				4			
					5		No recovery.	
					6			
					7		Clay (CL), black, moist, stiff, medium plasticity, petroleum odor.	
					8			
	X				9			
					10		Clay (CL), olive brown, stiff, moist, medium plasticity, petroleum odor.	
					11			
					12			
					13			
	X				14		Same as above but more of a light gray to olive brown color.	
		200			15		Clay with trace silt (CL), light to medium gray, wet, soft, petroleum odor.	
					16		Area more wet and more silty but same as above.	
					17			
					18			
					19		Clay (CL), light to medium gray, wet, soft, low plasticity, petroleum odor.	
	X	700			20			



THE SOURCE GROUP, Inc.

BORING/WELL ID:

SB-5

PROJECT NAME AND ADDRESS:		AB&I Foundry		Project No.	01-ABI-001
BORING LOCATION (AT SITE):		3 10,000 Gallon USTs		Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe			
SAMPLING METHOD:		Continuous	MONITORING DEVICE:		MiniRae 2000
START DATE/ (TIME):		10/31/2007 800	FINISH DATE/ TIME		10/31/07 852
FIRST WATER (BGS):		21.5'	STABILIZED WATER LEVEL:		
SURFACE ELEVATION:			CASING TOP ELEVATION:		
TOTAL BORING DEPTH(S):		25'	BORING DIAMETER/DEPTH: 3 1/4" / 25'		

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Silty clay (CL), light to medium gray, wet, soft, low plasticity, petroleum odor. Sandy gravel (SP), coarse grained, 1/4" to 3/4" subangular gravel pieces, poorly sorted, wet, no odor. Clay (CL), light brown, moist, stiff, medium plasticity, no odor.	
					21	▲		
					22			
					23			
					24			
					25		Bottom of Boring 25'	
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-6

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	10,000 gal VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/5/2007 900	FINISH DATE/ TIME	
FIRST WATER (BGS):	6.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	24'	BORING DIAMETER/DEPTH:	3 1/4" 24'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
		5			2		Clay (CL), black, moist, stiff, medium plasticity, organic odor, chunks of gravel.	
					3			
					4			
	X				5			
					6			
					7			
					8			
	X	20			9		Clay (CL), dark gray (2.5Y 4/1), stiff, medium plasticity, faint petroleum odor.	
					10			
					11			
					12		Clay (CL), dark greenish gray (GLE Y 2 4/1), moist, tight, medium plasticity, no odor.	
					13			
	X	5			14			
					15		Silty clay (CL), moist, soft, low plasticity, no odor.	
					16			
					17		Same as above but tighter.	
					18			
					19		Clay (CL), light gray, moist, tight, medium plasticity, no odor.	
					20			
							20' -- 24' -- No recovery -- GW sample @ 23'	



THE SOURCE GROUP, INC.

BORING/WELL ID:
SB-7

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Warehouse	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/31/07 1045	FINISH DATE/ TIME	10/31/07 1200
FIRST WATER (BGS):	17'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Concrete debris stiff.	
		7.6			2			
					3		Clay (CL), black, moist, medium plasticity, slight hydrocarbon odor?	
					4			
	X				5		Clay (CL), very dark gray (10YR 3/1), moist, stiff, medium plasticity, no odor.	
					6			
					7			
					8			
					9		Same as above but dark yellowish brown (10YR 4/4).	
					10			
		140			11			
					12		Clay (CL), dark greenish gray (GLE Y1 5/1), moist, stiff, medium plasticity, petroleum odor (faint).	
					13			
		500			14		Silty clay (CL), dark greenish gray, wet, soft, low plasticity, no odor.	
	X				15			
					16			
					17		Clay (CL), dark greenish gray, moist, stiff, medium plasticity, no odor.	
					18			
					19			
					20		Silty gravel (SP), greenish gray, 1/4" subangular, moist, poorly sorted, no odor.	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-8

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Warehouse	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macrocore	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/31/07 1240	FINISH DATE/ TIME	10/31/07 1340
FIRST WATER (BGS):	17'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2		Sandy gravel (asphalt), black, dry, poorly sorted, no odor.	
					3			
					4			
					5			
					6		Clay (CL), dark brown/black, moist, stiff, medium plasticity, no odor.	
					7			
					8			
					9		Clay (CL), dark olive brown, moist, stiff, medium plasticity, no odor.	
					10		Same as above but olive brown, more silt component.	
					11			
		16			12		Clay (CL), dark bluish gray (GLE Y2 4/1), moist, stiff, medium plasticity, faint petroleum odor.	
					13			
					14			
		544			15		Same as above but stronger petroleum odor.	
					16		Silty clay (CL) with some gravel, wet, soft, low plasticity, no odor.	
					17			
					18			
					19		Clay (CL), medium gray, moist, stiff, medium plasticity, no odor.	
					20		Total Depth 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-9

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Warehouse	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/31/07 1335	FINISH DATE/ TIME	10/31/07 1420
FIRST WATER (BGS):	17'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2		Sandy gravel (asphalt), black, dry, poorly sorted.	
					3			
					4			
					5			
					6		Clay (CL), dark gray, moist, stiff, medium plasticity, no odor.	
					7			
					8			
					9		Clay (CL), dark bluish gray, moist, medium plasticity, faint petroleum odor.	
					10		Stronger petroleum odor.	
					11			
		25			12			
					13			
					14		Petroleum odor.	
		30			15		No recovery.	
					16			
					17			
					18			
					19			
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-10

PROJECT NAME AND ADDRESS: AB&I Foundry		Project No.	01-ABI-001
BORING LOCATION (AT SITE): 550 Gal VST		Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT: Vironex Geoprobe			
SAMPLING METHOD: Continuous DW		MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME): 10/31/07 1430		FINISH DATE/ TIME	
FIRST WATER (BGS): No water		STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S): 30'		BORING DIAMETER/DEPTH:	3 1/4" / 30'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Concrete debris.	
	X				2		Sandy gravel (asphalt), dry, 1/2" subangular, poorly sorted, no odor.	
					3			
	X				4			Same as above but petroleum odor.
		700			5		Clay (CL), dark bluish gray (GLEY 2 4/1), moist (wet?), soft, low plasticity, petroleum odor.	
					6			
		300			7			
					8			
	X	500			9			
					10		Petroleum odor.	
					11			
					12			
	X	400			14			
					15		Less of an odor.	
					16			
		20			17			
					18			
					19			
	X	20			20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-10

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gal VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous DW	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	10/31/07 1430	FINISH DATE/ TIME	
FIRST WATER (BGS):	No water	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	30'	BORING DIAMETER/DEPTH:	3 1/4" / 30'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Concrete debris.	
					2		Sandy gravel (asphalt), dry, 1/2" subangular, poorly sorted, no odor.	
	X				3			
					4			
	X				5		Same as above but petroleum odor.	
		700			6		Clay (CL), dark bluish gray (GLEY 2 4/1), moist (wet?), soft, low plasticity, petroleum odor.	
					7			
		300			8			
					9			
	X	500			10			
					11			
					12		Petroleum odor.	
					13			
	X	400			14			
					15			
					16			
		20			17			
					18		Less of an odor.	
					19			
	X	20			20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-11

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/1/2007 7:45	FINISH DATE/ TIME	11/1/2007 9:40
FIRST WATER (BGS):		20.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Clay (CL), light and medium brown, wet, stiff, medium plasticity, no odor.	
					2			
	X				3		Sandy gravel (asphalt), dry, poorly sorted, no odor.	
	X	14			4		Clay (CL), black, stiff, medium, plasticity, faint petroleum odor.	
					5			
					6		Clay (CL), greenish gray (GLEY/ 5/1), moist, stiff, medium plasticity, petroleum odor.	
					7			
					8			
	X				9			
					10			
					11			
					12			
					13			
	X				14			
					15			
					16		Clay (CL), greenish gray w/ medium brown, moist, stiff, less of a petroleum odor noticed.	
					17		Clay (CL), same as above, but with a higher grit content, more wet, medium brown.	
					18			
					19			
	X				20	▲	Silty clay (CL) (higher silt content than above), medium brown, wet, stiff, low plasticity, no odor.	



THE SOURCE GROUP, Inc.

BORING/WELL ID:

SB-11

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 7:45	FINISH DATE/ TIME	11/1/2007 9:40
FIRST WATER (BGS):	20.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Clay (CL), light and medium brown, wet, stiff, medium plasticity, no odor.	
					21			
					22			
					23			
	X				24			
					25			
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:
SB-12

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous dw	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 9:30	FINISH DATE/ TIME	11/1/2007
FIRST WATER (BGS):	22'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2			
	X				3		Sandy gravel (asphalt), black, dry, poorly sorted.	
					4			
	X				5		Clay (CL), black, moist, stiff, medium plasticity, no odor.	
					6			
					7			
					8			
	X	0			9		Clay (CL), greenish gray, moist, stiff, medium plasticity, no odor.	
					10			
					11			
		20			12		Same as above but faint petroleum odor noted.	
					13			
	X	800			14			
					15			
					16			
					17		Clay (CL), dark greenish gray (GLEY 1 4/1), moist, stiff, medium pasticity, petroleum odor.	
					18			
					19			
	X	0			20		Same as above but lighter petroleum odor noted.	



PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous dw	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 9:30	FINISH DATE/ TIME	11/1/2007
FIRST WATER (BGS):	22'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Clay (CL), medium brown, moist, stiff, medium plasticity, no odor.	
					21			
					22	▲		
					23			
					24			
	X	0					Bottom of Boring 25'	
					25			
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-13

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous DW	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 11:20	FINISH DATE/ TIME	11/1/2007 12:00
FIRST WATER (BGS):	22.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris	
					2			
	X				3		Sandy gravel (asphalt), dry, poorly sorted, no odor	
	X				4		Clay (CL), black, moist, stiff, medium pasticity, no odor	
					5		NR	
					6			
					7			
					8		Clay (CL), black, moist, stiff, medium pasticity, no odor	
	X	0			9			
		20			10			
					11			
					12		Clay (CL), greenish gray, stiff, medium pasticity, petroleum odor	
					13			
	X	500			14			
					15			
					16		Same as above but softer, more moist	
					17			
					18			
					19		Clay (CL), greenish gray, stiff, medium pasticity, petroleum odor	
					20			
		155						



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-13

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous DW	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 11:20	FINISH DATE/ TIME	11/1/2007 12:00
FIRST WATER (BGS):	22.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	3 1/4" / 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Silty clay (CL), dark greenish gray, wet, soft, low plasticity, faint petroleum odor	
					21			
					22	▲		
					23			
		60			24		Clay (CL), medium brown, moist, stiff, no odor	
					25		Bottom of Boring 25'	
					26		Note: PID reading 60 ppm at 25' but soil looks clean. Water from upper levels has drained into the lower soil sample. Possible cross contamination.	
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-14

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		550-gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Continuous dw	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/1/2007 12:50	FINISH DATE/ TIME	11/1/2007 13:40
FIRST WATER (BGS):		10.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		15'	BORING DIAMETER/DEPTH:	3 1/4" /15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Concrete debris.	
	X			Diagonal lines	2		Sandy clay (fill), coarse grained, black, moist, poorly sorted, no odor.	
					3			
					4			
					5			
					6		No recovery	
					7			
					8			
	X			Stippled	9		Gravelly clay (CL), dark brown, wet, soft, 3/4" subangular, no odor.	
					10	▼		
					11			
					12		No recovery	
					13			
	X			Stippled	14		Sandy gravel (SP), very dark gray 1/4" to 3/4", subangular, wet, loose, no odor.	
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-15

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	550 Gallon USTs	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous dw	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 13:42	FINISH DATE/ TIME	11/1/2007 14:30
FIRST WATER (BGS):	5.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	19'	BORING DIAMETER/DEPTH:	3 1/4" / 19'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHE	Well construction details
					0			
					1		Concrete debris.	
	X				2		Silty sand (SM), fine grained, very dark brown, moist, well sorted, some gravel particles 1/2" subangular, no odor.	
					3			
	X	0			4			
					5	▼		
					6		Gravelly sand (SP), fine grained, black, 1/2" subangular, wet, poorly sorted, no odor.	
					7		Clay (CL), dark gray, moist, medium plasticity, no odor.	
					8			
	X				9			
		0			10		Clay (CL), greenish gray, moist, stiff, medium plasticity, faint petroleum odor.	
					11			
					12		Silty clay (CL) with some gravel, greenish gray, moist, softer, petroleum odor.	
					13			
	X	1200			14		Sandy clay (SC), fine sand, moist, well sorter, petroleum odor stronger.	
					15		Clay (CL), greenish gray, stiff, moist, medium plasticity, petroleum odor.	
					16			
					17			
	X	40			18		Same as above but no odor.	
					19		Refusal at 19' bgs, Bottom of Boring at 19'	
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-16

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Marsocere	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 14:45	FINISH DATE/ TIME	11/1/2007 15:30
FIRST WATER (BGS):		STABILIZED WATER LEVEL:	10'
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Asphalt.	
					2		Gravelly sand (SM), black, 1/2" subangular, dry.	
					3		Clay (CL), some gravel, black, moist, soft, medium plasticity, no odor.	
					4			
					5		Clay, black, moist, wood chips, tight, medium plasticity, no odor.	
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14		Clay (CL), light brownish gray (10YR 6/2), moist, soft, high plasticity, no odor.	
					15			
					16			
					17			
					18		Clay (CL), grayish brown (11YR 5/2) moist, soft, high plasticity, no odor.	
					19			
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORINGWELL ID:
SB-17

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Marcocere	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/1/2007 1515	FINISH DATE/ TIME	11/1/2007 1600
FIRST WATER (BGS):	15.5'	STABILIZED WATER LEVEL:	9'
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Concrete debris.	
					2		Clay (CL), with some gravel, black, moist, stiff, no odor.	
					3			
					4			
					4	Same as above with no gravel.		
					5			
					6			
					7			
					8			
					9			
					10		Clay (CL), light grayish brown, moist, tight, no odor.	
					11			
					12			
					13			
					14		Clay (CL), same as above but softer.	
					15	▼	Gravel (GM), very dark gray, wet, subangular, 1/4", no odor.	
					16			
					17			
					18		Clay (CL), light to medium gray, moist, stiff, medium plasticity, no odor.	
					19			
					20		Bottom of Boring 20'	



PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/5/2007 12:45	FINISH DATE/ TIME	11/5/2007 13:45
FIRST WATER (BGS):			STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Asphalt debris.	
					2		Gravelly clay (SM) with some sand, grayish brown, soft/crumbly, no odor.	
					3			
					4		Clay (CL), dark brown, moist, stiff, medium plasticity, no odor.	
					5			
					6			
					7			
					8			
					9			
					10			
					11		Clay (CL), olive brown, moist, soft, medium plasticity, no odor.	
					12			
					13			
					14		clay with some sand	
					15			
					16		Same as above with gravel 1/4" subangular and sand, medium grained, wet, no odor, olive brown.	
					17			
					18			
					19			
					20			



PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/5/2007 10:30	FINISH DATE/ TIME	11/5/2007 11:15
FIRST WATER (BGS):	17.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2		Gravelly clay (asphalt), dry, lose, no odor.	
					3			
					4			
					5			
					6		Clay (CL), very dark gray, moist, stiff, no odor.	
					7			
					8			
					9			
					10		Clay (CL), medium gray, moist, stiff, medium plasticity, no odor.	
		0.5			11			
					12			
					13		Gravelly clay (GC), dark gray, almost black, with light gray streaks, moist, poorly sorted, no odor.	
					14		Clay (CL), medium gray, moist, stiff, medium plasticity, no odor.	
					15		No recovery.	
					16		Silty clay (CL), dark gray, wet, some gravel, soft, no odor	
					17	▼		
					18			
					19		Clay (CL), medium brown, moist, stiff, medium plasticity, no odor.	
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:
SB-20

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/5/2007 12:00	FINISH DATE/ TIME	11/5/2007 13:00
FIRST WATER (BGS):			STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Asphalt debris.	
					2		Gravelly clay (fill) with some sand, dark brown, moist, stiff, medium plasticity, no odor.	
					3			
					4			
					5		Clay (CL), dark gray (brick pieces red), moist, stiff, medium plasticity, no odor.	
					6		Same as above, no brick pieces.	
					7			
					8			
					9			
					10		Clay (CL), olive brown, moist, soft, medium plasticity, no odor.	
					11			
					12			
					13			
					14		More moist, almost wet.	
					15			
					16			
					17			
					18		Gravelly clay (GC) , olive brown, moist, stiff, medium plasticity, no odor.	
					19			
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORINGWELL ID:
SB-21

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/5/2007 11:30	FINISH DATE/ TIME	11/5/2007 0:00
FIRST WATER (BGS):			STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		20'	BORING DIAMETER/DEPTH:	2" / 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Asphalt debris.	
					2		Silty clay (CL), olive brown, dry.	
					3		Gravelly clay (GC), dark gray, 1/4", subangular, loose, moist, no odor.	
					4			
					5		Red rock (brick pieces), dry.	
					6		Clay (CL), olive brown, moist, stiff, medium plasticity, no odor.	
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-22

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	8,000 gal TRA VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/2/07 745	FINISH DATE/ TIME	11/2/07 845
FIRST WATER (BGS):	9'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	15'	BORING DIAMETER/DEPTH:	3 1/4" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2			
	X				3		Clay (CL), very dark gray, moist, medium plasticity, no odor.	
	X				4		Sandy silt (ML), fine grained black, moist, loose, well sorted.	
					5			
					6		NR	
					7			
					8		Gravelly clay (GC), dark gray, moist, 1/2" to 3/4" subangular, poorly sorted, no odor.	
	X	130			9			
					10		Gravelly clay (GC) with some medium grained sand, dark bluish gray, wet, poorly sorted, slight oily sheen, no odor.	
		48			11			
		1.9			12		Gravelly sand, dark gray, wet, poorly sorted, no odor.	
					13			
	X	0.7			14		Clay (CL), light brownish gray, moist, very soft, medium plasticity, no odor.	
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-23

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	8,000 gal TRA VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous DW	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/2/2007 905	FINISH DATE/ TIME	11/2/2007 0:00
FIRST WATER (BGS):	8.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	15'	BORING DIAMETER/DEPTH:	3 1/4" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
	X	0.1		Diagonal Hatching	2		Clay (CL), very dark gray, moist, medium plasticity, no odor.	
					3			
	X	0.1		Vertical Lines	4		Sandy silt (ML), fine grained, black, moist, loose, no odor.	
					5		NR	
					6			
					7			
		0.4		Stippled	8		Gravelly clay (GC), very dark gray, moist, poorly sorted, no odor.	
	X	0.3		Diagonal Hatching	9		Gravelly sand (SP), very dark gray, medium grained, poorly sorted, no odor, wet.	
					10			
				Stippled	11		Gravelly clay (GC), dark gray, wet, soft, no odor.	
				Diagonal Hatching	12		Clay (CL), olive brownish gray, moist, stiff, medium plasticity, no odor.	
					13			
	X	0.4		Diagonal Hatching	14			
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-24

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		8,000 gal TRA VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/2/2007 1000	FINISH DATE/ TIME	11/2/2007 1100
FIRST WATER (BGS):		7.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		20'	BORING DIAMETER/DEPTH:	3 1/4" / 20'





Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris	
					2		Clay (CL), very dark gray, moist, sorted, medium plasticity, no odor.	
	X				3		Sandy silt (ML), fine grained, dark gray, crumbly, most, no odor.	
					4			
	X				5		NR	
					6		Sandy silt (ML), some gravel, dark gray, moist, no odor.	
					7		Gravel (GC), brown to dark gray, wet, to 3/4" to 1" subangular, poorly sorted, no odor.	
					8			
	X				9		Silty clay (CL), bluish gray, moist, medium stiffness, medium plasticity, no odor.	
		200			10			
					11		Clay (CL), bluish gray, moist, stiff, medium plasticity, no odor.	
		0.6			12			
					13			
	X	0.3			14			
					15		Gravel (GC), dark gray, wet, 3/4" to 1" subangular, poorly sorted, no odor.	
					16			
					17			
					18			
					19		Clay (CL), dark olive brown, moist, stiff, medium plasticity, no odor.	
	X	0.3			20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:
SB-25

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Production Area	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/2/2007 1040	FINISH DATE/ TIME	11/2/2007 1110
FIRST WATER (BGS):	8.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	10'	BORING DIAMETER/DEPTH:	2" 10'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2		Sand (SM), coarse, light brown, moist, no odor.	
					3		Clay (CL), black, moist, stiff, no odor.	
					4		NR	
					5		Clay (CL), some gravel, dark gray, moist, stiff, no odor.	
					6			
					7			
					8			
					9		Gravelly clay (GC), some sand, grained, 1/4" to 1/2" subangular, dark gray, wet, poorly sorted, rotten egg odor.	
					10		Bottom of Boring 10'	
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-26

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Production Area	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/2/2007 11315	FINISH DATE/ TIME	11/2/2007 1200
FIRST WATER (BGS):	13'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	15'	BORING DIAMETER/DEPTH:	2" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris	
					2		Silt (ML), dark brown, moist, loose, no odor.	
					3			
					4		Gravelly sand (SP) with a very sticky black substance (tar?), moist, faint hydrocarbon odor.	
	X	16			4		Clay (CL), dark brown, moist, stiff, medium plasticity, no odor.	
					5			
					6			
					7		Clay (CL), bluish gray, moist, stiff, medium plasticity, solvent odor?	
		400			8			
					9			
	X				9			
		1000			10			
					11			
					12			
					13		Sandy gravel (SP), bluish gray, wet, loose, solvent odor.	
					14		Sandy clay (SP), bluish gray, fine grained, wet, solvent odor 13.5' to 14'.	
	X				14			
					15		Clay (CL), bluish gray, moist, stiff, medium plasticity, solvent odor 14' to 15'.	
					16		Bottom of Boring 15'	
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-27

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		10,000 gal VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Continuous DW	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/5/2007 0710	FINISH DATE/ TIME	11/5/2007 830
FIRST WATER (BGS):			STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		15'	BORING DIAMETER/DEPTH:	3 1/4" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
		13			2		Clay (CL), dark gray, moist, stiff, medium plasticity, faint petroleum odor.	
	X				3			
	X				4	White chalking substance, crumbly.		
					5		NR	
		0.2			6		Silty clay (CL), dark gray, moist, soft, medium plasticity, faint petroleum odor.	
					7			
					8			
	X				9		Clay (CL), dark gray, moist, stiff, medium plasticity, no odor.	
					10		Same as above but medium brownish gray.	
					11			
					12			
					13			
	X	0			14			
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-28

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	10,000 gal VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/2/2007 1500	FINISH DATE/ TIME	11/2/2007 1610
FIRST WATER (BGS):	7.5	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	3 1/4" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		NR	
					2			
					3			
					4			
					5			
	X				6		Clay (CL), dark brown, moist, stiff, medium plasticity, no odor.	
		0.2			7		Gravelly clay (GC) with fine sands, very dark brown, wet, poorly sorted, soft, no odor.	
					8		Clay (CL), very dark gray, moist, stiff, no odor.	
	X	0.2			9		Gravelly clay (GC) with fine sands, very dark brown, wet, poorly sorted, soft, no odor.	
					10		White chalking material, very fine particles, crumbles.	
		0.1			11		Gravel (GC), dark brown, wet, poorly sorted, faint petroleum odor.	
					12		Clay (CL), dark brown, moist, stiff, medium plasticity, faint petroleum odor.	
					13		Clay, medium gray, moist, stiff, medium plasticity, no odor.	
					14			
	X				15			
					16		Sand (SP), medium grained trace gravel, light gray, wet, well sorted, loose, no odor.	
					17		Clay (CL), medium brownish gray, moist, stiff, medium plasticity, no odor.	
					18			
					19			
	X				20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-29

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		10,000 gal VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Continues	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/5/2007 900	FINISH DATE/ TIME	
FIRST WATER (BGS):		6.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		15'	BORING DIAMETER/DEPTH: 3 1/4" 15'	

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
					2		Clay (CL), lots of fine sands (sluffing from top of the sample sleeve?) dry, slight petroleum od	
					3			
					4		No recovery.	
					5		Clay (CL), dark brown, moist, stiff, medium plasticity, no odor.	
	X				6	▼		
					7		Silty clay (CL), dark gray, wet, loose, no odor.	
		0.2			8			
	X				9		Clay (CL), dark gray, moist, stiff, medium plasticity, no odor, some roots.	
					10			
					11			
					12			
					13		Clay (CL), light brown to gray, moist, stiff, medium plasticity, trace rocks (1/4" round), no odor.	
		0.1			14			
					15		Bottom of Boring 15'	
					16			
					17			
					18		No water recovery at 15'. Collected sample via hydropunch, screened 15' - 20' bgs.	
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:
SB-30

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	10,000 gal VST	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continuous	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/2/2007 1345	FINISH DATE/ TIME	11/2/07 1445
FIRST WATER (BGS):	10'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	15'	BORING DIAMETER/DEPTH:	3 1/4" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris.	
	X				2		Gravelly sand (asphalt), dark gray, loose, dry, no odor.	
	X				3			
	X				4		Clay (CL), dark gray, moist, stiff, medium plasticity, no odor.	
					5			
					6	▼ NR		
					7		Gravelly sand (SP), dark brown, moist, loose, poorly sorted, no odor.	
					8			
	X				9		Clay (CL), medium gray,	
					10			
					11			
					12			
					13			
	X				14		Clay (CL), dark brown, moist and wet, soft, low plasticity, no odor.	
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-31

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/5/07 1430	FINISH DATE/ TIME	
FIRST WATER (BGS):		STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	2" 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1			
	X				2		Case jammed. Sample not removed.	
					3			
	X				4			
					5			
					6		NR	
		0.1			7		Clay (CL), black, moist, stiff, medium plasticity, no odor.	
					8			
					9			
					10			
		0.1			11		Clay (CL), olive brown, moist, stiff, medium plasticity, no odor.	
					12			
					13			
					14			
					15		Clay (CL), olive brown, moist, stiff, medium plasticity, no odor.	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-31

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking Lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/5/07 1430	FINISH DATE/ TIME	11/5/07 1545
FIRST WATER (BGS):		STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	25'	BORING DIAMETER/DEPTH:	2" 25'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					20		Same as above but softer.	
					21			
					22			
					23			
					24			
					25		Clay (CL), gravelly clay, dark brown, moist, very stiff, medium plasticity, no odor.	
					25		Bottom of Boring 25'	
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-32

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		Parking lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/26/2007 753	FINISH DATE/ TIME	11/26/2007
FIRST WATER (BGS):		10'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Asphalt debris.	
					2		Gravelly silt (ML), medium brown, dry, crumbly, poorly sorted, no odor, fill.	
					3			
					4		Clay (CL), dark gray, moist, stiff, medium plasticity, no odor. Light gray. More moist. Greater silt content, more moist. Clay (CL), dark grayish brown, moist, stiff, medium plasticity, no odor.	
					5			
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-33

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe 6600		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/26/2007 1030	FINISH DATE/ TIME	11/26/2007
FIRST WATER (BGS):	17.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Gravelly clay (fill).	
					2		NR	
					3			
					4			
					5			
					6			
					7			
					8			
					9			
		0.3			10		Clay (CL), light grayish brown, moist, stiff, medium plasticity, no odor, trace red (brick?) fragments.	
					11		Olive brown with no brick fragments.	
					12			
					13			
					14			
					15		Olive to light brown (tan), moist, stiff, medium plasticity, no odor.	
					16			
					17	▼	Light grayish brown, wet, soft, medium plasticity, no odor.	
					18			
					19		Medium brown, moist, stiff, medium plasticity, no odor.	
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-34

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe 6600		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/26/2007 1030	FINISH DATE/ TIME	11/26/2007
FIRST WATER (BGS):	17.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Gravelly clay (fill).	
					2		NR	
					3			
					4			
					5			
					6			
					7			
					8			
					9			
					10		Clay (CL), olive brown, moist, medium tightness, medium plasticity, no odor.	
					11			
		1.1			12		Clay (CL), trace gravel, medium grayish brown, moist.	
					13			
					14		Clay (CL), medium brown, moist, stiff, medium plasticity, no odor.	
					15		Gravelly clay (CL), medium brown, moist, poorly sorted, no odor.	
					16			
					17		Clay (CL), olive brown, moist, stiff, medium plasticity, no odor.	
					18			
		0.4			19			
					20		Bottom of Boring 20'	



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-35

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe		
SAMPLING METHOD:	Continues	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/26/2007 1140	FINISH DATE/ TIME	11/26/2007 1230
FIRST WATER (BGS):	11.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	15'	BORING DIAMETER/DEPTH:	2" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Hand auger to 5' bgs.	
					2			
					3			
					4			
					5		NR	
					6			
					7			
					8			
		0.6			9			
					10		Gravelly clay (CL), black, moist, soft, medium plasticity, no odor.	
					11	▼	Not much recovery, very wet, water moving soil sample gravel. Appears to be gravelly clay, black, very wet, loose, no odor.	
					12			
					13		Gravelly sand (SP), dark gray, wet, loose, poorly sorted, no odor.	
					14		Clay (CL), dark gray, moist, stiff, medium plasticity, no odor.	
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:

SB-36

PROJECT NAME AND ADDRESS:		AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):		Parking lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:		Vironex Geoprobe		
SAMPLING METHOD:		Continues	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):		11/26/2007 1300	FINISH DATE/ TIME	11/26/2007 1400
FIRST WATER (BGS):		11.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:			CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):		15'	BORING DIAMETER/DEPTH:	2" 15'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Silt (ML), light gray/white, dry, crumbly, no odor, fill.	
					2			
					3			
					4			
					5		NR	
					6			
					7			
					8			
					9			
					10			
					11	▼	Very wet, water in empty sleeve.	
					12			
					13			
					14		Gravel (GP), dark gray, wet, loose, poorly sorted, 1/4" - 1/2" subangular, no odor.	
					15		Bottom of Boring 15'	
					16			
					17			
					18			
					19			
					20			



THE SOURCE GROUP, INC.

BORING/WELL ID:
SB-37

PROJECT NAME AND ADDRESS:	AB&I Foundry	Project No.	01-ABI-001
BORING LOCATION (AT SITE):	Parking lot	Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	Vironex Geoprobe 6600		
SAMPLING METHOD:	Macro	MONITORING DEVICE:	MiniRae 2000
START DATE/ (TIME):	11/26/2007 1110	FINISH DATE/ TIME	11/26/2007
FIRST WATER (BGS):	17.5'	STABILIZED WATER LEVEL:	
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	20'	BORING DIAMETER/DEPTH:	2" 20'

Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		Cement debris, fill.	
					2		Clay (CL), dark brown, moist, stiff, medium plasticity, no odor.	
					3			
					4			
					5			
					6			
					7			
					8		Some gravel, subangular 1/4" diameter	
		0.4			9			
					10		Clay (CL), grayish brown, moist, stiff, medium plasticity, no odor.	
					11			
					12		Olive brown, moist, medium stiffness, medium plasticity, no odor.	
					13			
					14			
					15			
					16	▼	Silty sand (SM), fine grained, olive brown, wet, loose, well sorted, no odor.	
					17		Clay (CL), grayish brown, moist, stiff, medium plasticity, no odor.	
					18			
					19			
					20		Bottom of Boring 20'	

APPENDIX D

FIELD GROUNDWATER SAMPLING FORMS

Groundwater Monitoring Well Water Level Gauging Form



PROJECT NAME: AB+ F

DATE: 10/24/07

PROJECT NO.: 01-ABT.001

PERSONNEL: N. Clinton

TASK NO.: _____

Well I.D.	Date	Time (24 hour)	Casing Diameter (inches)	DTW (ft)	Total Depth (ft)	Comments:
MW-1	10/24/07		2"	6.26	23	
MW-2R	↓		2"	4.27	20.5	
MW-3			2"	7.73	19.5	
MW-4			2"	7.15	26.5	
MW-5			2"	8.53	20.5	
MW-6			2"	9.08	20.5	
MW-7			2"	6.99	20.5	
MW-8			2"	8.42	20.5	
MW-9			2"	4.27	20.5	

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: ABI Laundry
 PROJECT NO.: 01-ABI-001
 TASK NO.: _____
 WELL ID: MW-1
 PURGE DATE: 10/25/07
 SAMPLE TIME: 1315
 SAMPLE DATE: 10/25/07
 PERSONNEL: N. Citan

INITIAL DTW (ft): 6.28
 DEPTH TO BOTTOM (ft): _____
 WELL DIAM. (in): 2"
 PUMP INTAKE DEPTH (ft): _____
 3 VOLUMES (gals): _____
h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
 h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Dissolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
6.30	1252	300	7.07	137.0	20.23	4.03	-114.3	gray	53.1	
6.30	1257	200	7.01	138.1	20.24	3.38	-110.8	gray	34.3	
6.30	1302	200	6.99	137.9	20.50	3.15	-108.9	gray	27.2	
6.30	1307	200	6.98	135.7	20.60	2.89	-106.1	gray	9.0	
6.30	1312	200	6.98	134.1	20.66	2.73	-104.2	gray	6.5	
6.30	1317	200	6.97	133.4	20.66	2.64	-103.3	gray	4.6	

Total Gallons Purged: 2.5

Purging Method: 2" Submersible Bladder Pump
 12 Volt Pump Peristaltic Pump Bailer

WELL SAMPLING:

DTW at Time of Sampling: 6.30

Sampling Method: 2" Submersible Bladder Pump
 12 Volt Pump Peristaltic Pump Bailer

SAMPLE ID: MW-1

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES (NO)

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: ABJI Foundry

PROJECT NO.: 01-ABJI-001

TASK NO.: _____

WELL ID: MW-2R

PURGE DATE: 10/25/07

SAMPLE TIME: 1030

SAMPLE DATE: 10/25/07

PERSONNEL: N. C. Litan
(circle)

INITIAL DTW (ft): 4.09

DEPTH TO BOTTOM (ft): _____

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): _____

3 VOLUMES (gals): _____

h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
4.13	1003	220	6.85	141.3	20.18	0.88	-93.4	gray	178.7	
4.14	1008	280	6.74	140.9	20.55	0.80	-95.1	gray	132.1	
4.15	1018	200	6.68	137.8	21.25	0.79	-93.4	gray	103.1	
4.15	1028	200	6.68	137.7	21.39	0.75	-97.4	gray	110.1	

Total Gallons Purged: 2.5
2"

Purging Method: Submersible Bladder Pump 12 Volt Pump Peristaltic Pump Bailer

WELL SAMPLING:

DTW at Time of Sampling: 4.15

Sampling Method: Submersible Bladder Pump 12 Volt Pump Peristaltic Pump Bailer

SAMPLE ID: MW-2R

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES NO

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

-Turbidity high after 2nd reading wait for 3rd reading in 10 min to allow turbidity to stabilize
-turbidity stable at ~100. All other parameters stable.
Sample collected

Groundwater Monitoring Well Field Sampling Form

The Source Group, Inc.

PROJECT NAME: ABJI
 PROJECT NO.: 01-ABJ-001
 TASK NO.: _____
 WELL ID: MW-3
 PURGE DATE: 10/24/07
 SAMPLE TIME: 1530
 SAMPLE DATE: 10/24/07
 PERSONNEL: N. C. Han

INITIAL DTW (ft): 7.65
 DEPTH TO BOTTOM (ft): _____
 WELL DIAM. (in): 2"
 PUMP INTAKE DEPTH (ft): _____
 3 VOLUMES (gals): _____
h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
 h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG: (circle) (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.87	1508	400	6.95	262.8	24.00	1.94	-36.1	grey	10.0	
7.78	1513	200	6.79	266.5	24.69	1.16	-51.9	grey	0.5	
7.76	1518	200	6.74	269.6	25.15	1.85	21.1	grey	0.7	
7.77	1523	200	6.70	269.8	25.21	1.74	31.1	grey	1.0	
7.78	1528	200	6.67	279.2	25.13	1.56	35.9	grey	1.7	

Total Gallons Purged: 1.5
 2"
 Purging Method: Submersible Bladder Pump

12 Volt Pump
 Peristaltic Pump
 Bailer

WELL SAMPLING:

DTW at Time of Sampling: 7.78
 2"
 Sampling Method: Submersible Bladder Pump

12 Volt Pump
 Peristaltic Pump
 Bailer

SAMPLE ID: MW-3

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES / NO

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: ABX
 PROJECT NO.: 01-ABF-aof
 TASK NO.: _____
 WELL ID: MW-4
 PURGE DATE: 10/24/07
 SAMPLE TIME: 1400
 SAMPLE DATE: 10/24/07
 PERSONNEL: N.C. Utam

INITIAL DTW (ft): 7.11
 DEPTH TO BOTTOM (ft): _____
 WELL DIAM. (in): 2"
 PUMP INTAKE DEPTH (ft): _____
 3 VOLUMES (gals): _____
h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
 h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.30	1343	220	7.75	78.9	21.93	1.36	-121.2	gray	47.3	
7.30	1348	200	7.31	76.2	21.80	1.19	-116.9	gray	7.0	
7.31	1353	200	7.17	75.4	21.57	1.04	-116.4	gray	2.0	
7.31	1358	200	7.08	75.4	21.65	1.01	-116.1	gray	1.8	
7.31	1403	200	7.03	75.3	21.64	0.88	-116.7	gray	2.0	

Total Gallons Purged: 1.5
 2"

Purging Method: Submersible Bladder Pump
 12 Volt Pump
 Peristaltic Pump
 Bailer

WELL SAMPLING:

DTW at Time of Sampling: 7.31

Sampling Method: Submersible Bladder Pump
 12 Volt Pump
 Peristaltic Pump
 Bailer

SAMPLE ID: MW-4

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES / NO

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: ABI Foundry

PROJECT NO.: 01-ABI-001

TASK NO.: _____

WELL ID: MW-5

PURGE DATE: 10/25/07

SAMPLE TIME: 800

SAMPLE DATE: 10/25/07

PERSONNEL: N. C. L. Han

INITIAL DTW (ft): 8.51

DEPTH TO BOTTOM (ft): _____

WELL DIAM. (in): 8"

PUMP INTAKE DEPTH (ft): _____

3 VOLUMES (gals): _____

h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.55	0700	180	6.25	140.3	18.76	1.66	-9.2	gray	248.4	
8.57	727	250	6.34	139.2	18.76	1.41	-12.7	gray	171.6	
8.57	737	280	6.39	140.3	19.27	1.05	-8.0	gray	33.1	
8.57	742	200	6.41	139.6	19.12	0.99	-7.4	gray	16.9	
8.57	747	200	6.42	139.3	19.02	0.96	-6.8	gray/dk	14.1	

Total Gallons Purged: 2

2"

Purging Method: Submersible Bladder Pump 12 Volt Pump Peristaltic Pump Bailer

WELL SAMPLING:

DTW at Time of Sampling: 8.57

2"

Sampling Method: Submersible Bladder Pump 12 Volt Pump Peristaltic Pump Bailer

SAMPLE ID: MW-5

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL?

YES / ~~NO~~

IF SO, SAMPLE ID: Equipment Blank 1

TYPE: Rinsate Blank

Duplicate Field Blank

COMMENTS:

Turbidity high after 10 min (191). will begin recording values after 10 min to allow turbidity to stabilize.

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: ABI
 PROJECT NO.: 01-ABI-001
 TASK NO.: _____
 WELL ID: MW-6
 PURGE DATE: 10/24/07
 SAMPLE TIME: 1200
 SAMPLE DATE: 10/24/07
 PERSONNEL: N. Colter

INITIAL DTW (ft): ~~9.06~~ 9.06
 DEPTH TO BOTTOM (ft): _____
 WELL DIAM. (in): 2"
 PUMP INTAKE DEPTH (ft): _____
 3 VOLUMES (gals): _____
h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
 h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG: (circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (µS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity NTU	Other Observations
9.40	1130	500	7.37	275.6	23.55	1.77	-43.1	gray	146.79	
9.13	1137	140	6.87	271.1	24.69	1.49	0.7	gray	76.1	
9.13	1142	180	6.84	270.6	24.79	1.46	10.8	gray	54.2	
9.14	1147	170	6.80	269.8	24.94	1.41	22.3	gray	49.3	
9.15	1152	170	6.77	268.5	25.07	1.34	41.9	gray	49.4	
9.15	1157	170	6.73	267.3	25.06	1.27	67.9	gray	35.4	

Total Gallons Purged: 2

Purging Method: Submersible Bladder Pump
 12 Volt Pump
 Peristaltic Pump
 Bailer

WELL SAMPLING:

DTW at Time of Sampling: 9.15

Sampling Method: Submersible Bladder Pump
 12 Volt Pump
 Peristaltic Pump
 Bailer

SAMPLE ID: MW-6

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES NO

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: AB+I Foundry

PROJECT NO.: 01-ARI-001

TASK NO.: _____

WELL ID: MW-7

PURGE DATE: 10/25/07

SAMPLE TIME: 1430

SAMPLE DATE: 10/25/07

PERSONNEL: N. Cotton

INITIAL DTW (ft): 6.98

DEPTH TO BOTTOM (ft): _____

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): _____

3 VOLUMES (gals): _____

h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.09	1357	150	7.31	139.4	19.31	2.58	-154.4	grey	74.0	
7.06	1402	200	7.32	139.2	19.26	1.92	-148.6	grey	83.1	
7.06	1407	200	7.32	139.2	19.30	1.52	-152.3	grey	103.3	
7.06	1412	200	7.32	139.0	19.26	1.29	-148.4	grey	93.4	
7.06	1417	200	7.32	139.1	19.34	1.15	-144.7	grey	74.8	
7.06	1427	200	7.30	139.9	19.50	0.95	-143.0	grey	46.1	

Total Gallons Purged: 2.5

Purging Method: 2" Submersible Bladder Pump, 12 Volt Pump, Peristaltic Pump, Bailer

WELL SAMPLING:

DTW at Time of Sampling: 7.06

Sampling Method: 2" Submersible Bladder Pump, 12 Volt Pump, Peristaltic Pump, Bailer

SAMPLE ID: MW-7

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES NO

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

Groundwater Monitoring Well Field Sampling Form The Source Group, Inc.

PROJECT NAME: ABIT Laundry

PROJECT NO.: 01-ABIT-001

TASK NO.: _____

WELL ID: MW-8

PURGE DATE: 10/25/07

SAMPLE TIME: 9:15

SAMPLE DATE: 10/25/07

PERSONNEL: N. C. Pittman

INITIAL DTW (ft): 8.48

DEPTH TO BOTTOM (ft): _____

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): _____

3 VOLUMES (gals): _____

h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.58	839	200	6.51	174.6	19.16	2.14	20.3	gray	322.4	
8.54	849	280	6.56	181.8	19.65	0.83	7.0	gray	117.1	
8.52	854	220	6.54	182.1	19.63	0.82	6.8	gray	63.6	
8.53	859	220	6.53	181.0	19.48	0.78	0.5	gray	36.6	
8.53	904	220	6.53	180.3	19.46	0.75	-3.0	gray	27.5	
8.53	909	220	6.53	180.4	19.47	0.75	-3.2	gray	25.6	

Total Gallons Purged: 2.5

Purging Method: 2" Submersible Bladder Pump, 12 Volt Pump, Peristaltic Pump, Bailer

WELL SAMPLING:

DTW at Time of Sampling: 8.53

Sampling Method: 2" Submersible Bladder Pump, 12 Volt Pump, Peristaltic Pump, Bailer

SAMPLE ID: MW-8

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES / NO

IF SO, SAMPLE ID: MW-88 TYPE: Rinsate Blank, Duplicate Field Blank

COMMENTS:

Turbidity high following first reading, will take 2nd reading in 10 min to allow turbidity to come down.

Groundwater Monitoring Well Field Sampling Form

The Source Group, Inc.

PROJECT NAME: ABI I Foundry

PROJECT NO.: 01-ABI-001

TASK NO.: _____

WELL ID: MW-9

PURGE DATE: 10/25/07

SAMPLE TIME: 1145

SAMPLE DATE: 10/25/07

PERSONNEL: M. C. Iken

INITIAL DTW (ft): 4.24

DEPTH TO BOTTOM (ft): _____

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): _____

3 VOLUMES (gals):
h*3*0.064 (1.25"); h*3*0.16 (2"); h*3*0.26 (2.5");
 h*3*0.38 (3"); h*3*0.65 (4"); h*3*1.5 (6")

PURGE LOG:

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
4.36	1117	200	6.58	135.8	18.66	1.17	-140.3	gray	145.3	petroleum odor
4.37	1122	200	6.54	135.5	18.67	1.03	-140.3	gray	95.6	↓
4.37	1127	200	6.54	135.3	18.62	0.97	-141.5	gray	57.7	
4.37	1132	200	6.52	135.3	18.59	0.90	-142.7	gray	34.8	

Total Gallons Purged: 1.5
2"

Purging Method: Submersible Bladder Pump 12 Volt Pump Peristaltic Pump Bailer

WELL SAMPLING:

DTW at Time of Sampling: 4.37

Sampling Method: Submersible Bladder Pump 12 Volt Pump Peristaltic Pump Bailer

SAMPLE ID: MW-9

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL? YES / NO

IF SO, SAMPLE ID: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

well box loose. Needs to be re cemented.

APPENDIX E

CERTIFIED LABORATORY ANALYTICAL REPORTS



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0710665

Work Order Summary

CLIENT: Mr. Kent Reynolds
The Source Group
3451-C Vincent Road
Pleasant Hill, CA 94523

BILL TO: Mr. Kent Reynolds
The Source Group
3451-C Vincent Road
Pleasant Hill, CA 94523

PHONE: 925-944-2856 x326

FAX: 925-944-2859

DATE RECEIVED: 10/26/2007

DATE COMPLETED: 10/29/2007

P.O. #

PROJECT # 01-ABI-001 AB + I Foundry

CONTACT: Kelly Buettner

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	SG-1	Modified Method 8260B	3.6 "Hg
02A	SG-7	Modified Method 8260B	3.8 "Hg
03A	SG-2	Modified Method 8260B	4.9 "Hg
04A	SG-92	Modified Method 8260B	3.7 "Hg
05A	SG-3	Modified Method 8260B	4.6 "Hg
05AA	SG-3 Lab Duplicate	Modified Method 8260B	4.6 "Hg
06A	SG-4	Modified Method 8260B	5.3 "Hg
07A	SG-5	Modified Method 8260B	5.0 "Hg
08A	SG-9	Modified Method 8260B	4.4 "Hg
09A	SG-8	Modified Method 8260B	23.9 "Hg
09AA	SG-8 Lab Duplicate	Modified Method 8260B	23.9 "Hg
10A	SG-6	Modified Method 8260B	3.6 "Hg
11A	SG-10	Modified Method 8260B	3.4 "Hg
12A	Lab Blank	Modified Method 8260B	NA
12B	Lab Blank	Modified Method 8260B	NA
12C	Lab Blank	Modified Method 8260B	NA
13A	CCV	Modified Method 8260B	NA

Continued on next page




AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0710665

Work Order Summary

CLIENT:	Mr. Kent Reynolds The Source Group 3451-C Vincent Road Pleasant Hill, CA 94523	BILL TO:	Mr. Kent Reynolds The Source Group 3451-C Vincent Road Pleasant Hill, CA 94523
PHONE:	925-944-2856 x326	P.O. #	
FAX:	925-944-2859	PROJECT #	01-ABI-001 AB + I Foundry
DATE RECEIVED:	10/26/2007	CONTACT:	Kelly Buettner
DATE COMPLETED:	10/29/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
13B	CCV	Modified Method 8260B	NA
13C	CCV	Modified Method 8260B	NA
14A	LCS	Modified Method 8260B	NA
14B	LCS	Modified Method 8260B	NA
14C	LCS	Modified Method 8260B	NA

CERTIFIED BY: 
 Laboratory Director

DATE: 10/29/07

LABORATORY NARRATIVE
Modified Method 8260B
The Source Group
Workorder# 0710665

Eleven PAC250 Canister samples were received on October 26, 2007. The laboratory performed the analysis via modified EPA SW-846 Method 8260B using GC/MS in the full scan mode. An aliquot of the soil gas vapor is injected into the purge vessel on the Purge and Trap unit. The purge vessel contains 5 mL of water as well as the surrogate and internal standard solution. The VOCs are purged through the water with Helium gas and collected on a multibed sorbent trap. The trap is heated and the VOCs are transferred to the GC/MS system for compound separation and detection. Samples collected in passivated canisters are pressurized to 10 psig.

Quality Control requirements were established following the Department of Toxic Substances Control (DTSC), 1997, Soil Gas Advisory Guidance document.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>Method 8260B</i>	<i>ATL Modifications</i>
Sample introduction	Sample collection and preparation methods for air use resins followed by thermal desorption or Tedlar bags and a sample loop introduction.	Samples are collected in passivated canisters and an aliquot of the vapor is injected into the purge and trap for 8260B analysis. Surrogates, Internal standards, calibration liquid standards are injected in the water of the purge vessel per Method 5030.

Receiving Notes

Sample SG-8 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for Vinyl Chloride hits, that were below the Reporting Limit but greater than the Method Detection Limit.

The recovery of internal standard Fluorobenzene in sample SG-5 was outside control limits due to matrix interferences. Dilution of the samples was required to meet method acceptance limits.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).
- J - Estimated value.

- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds EPA METHOD 8260B

Client Sample ID: SG-1

Lab ID#: 0710665-01A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Chloroethane	0.10	0.20

Client Sample ID: SG-7

Lab ID#: 0710665-02A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Benzene	0.080	0.31

Client Sample ID: SG-2

Lab ID#: 0710665-03A

No Detections Were Found.

Client Sample ID: SG-92

Lab ID#: 0710665-04A

No Detections Were Found.

Client Sample ID: SG-3

Lab ID#: 0710665-05A

No Detections Were Found.

Client Sample ID: SG-3 Lab Duplicate

Lab ID#: 0710665-05AA

No Detections Were Found.

Client Sample ID: SG-4

Lab ID#: 0710665-06A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Benzene	0.082	0.11
Toluene	0.20	0.22
Tetrachloroethene	0.10	0.12
Ethyl Benzene	0.10	2.0
m,p-Xylene	0.20	0.63



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds EPA METHOD 8260B

Client Sample ID: SG-5

Lab ID#: 0710665-07A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Benzene	0.67	0.96
Ethyl Benzene	0.84	13
m,p-Xylene	0.84	3.4

Client Sample ID: SG-9

Lab ID#: 0710665-08A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Ethyl Benzene	0.10	0.56

Client Sample ID: SG-8

Lab ID#: 0710665-09A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Ethyl Benzene	0.41	1.7
m,p-Xylene	0.41	0.48

Client Sample ID: SG-8 Lab Duplicate

Lab ID#: 0710665-09AA

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Ethyl Benzene	0.41	1.7
m,p-Xylene	0.41	0.55

Client Sample ID: SG-6

Lab ID#: 0710665-10A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Ethyl Benzene	0.10	0.27

Client Sample ID: SG-10

Lab ID#: 0710665-11A



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds EPA METHOD 8260B

Client Sample ID: SG-10

Lab ID#: 0710665-11A

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Benzene	0.080	0.21
Toluene	0.20	0.26
Ethyl Benzene	0.10	0.28



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-1

Lab ID#: 0710665-01A

EPA METHOD 8260B

File Name:	q102609	Date of Collection:	10/26/07
Dil. Factor:	1.00	Date of Analysis:	10/26/07 08:33 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	0.20
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	75-125
Toluene-d8	104	75-125
Dibromofluoromethane	106	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-7

Lab ID#: 0710665-02A

EPA METHOD 8260B

File Name:	q102610	Date of Collection: 10/26/07
Dil. Factor:	1.00	Date of Analysis: 10/26/07 08:54 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	0.31
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	75-125
Toluene-d8	108	75-125
Dibromofluoromethane	100	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-2

Lab ID#: 0710665-03A

EPA METHOD 8260B

File Name:	q102611	Date of Collection:	10/26/07
Dil. Factor:	1.00	Date of Analysis:	10/26/07 09:16 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	75-125
Toluene-d8	107	75-125
Dibromofluoromethane	101	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-92

Lab ID#: 0710665-04A

EPA METHOD 8260B

File Name:	q102612	Date of Collection:	10/26/07
Dil. Factor:	1.00	Date of Analysis:	10/26/07 09:38 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	75-125
Toluene-d8	105	75-125
Dibromofluoromethane	103	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-3

Lab ID#: 0710665-05A

EPA METHOD 8260B

File Name:	q102613	Date of Collection: 10/26/07
Dil. Factor:	1.00	Date of Analysis: 10/26/07 09:59 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	75-125
Toluene-d8	106	75-125
Dibromofluoromethane	101	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-3 Lab Duplicate

Lab ID#: 0710665-05AA

EPA METHOD 8260B

File Name:	q102615	Date of Collection: 10/26/07
Dil. Factor:	1.00	Date of Analysis: 10/26/07 10:42 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	75-125
Toluene-d8	106	75-125
Dibromofluoromethane	102	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-4

Lab ID#: 0710665-06A

EPA METHOD 8260B

File Name:	q102614	Date of Collection: 10/26/07
Dil. Factor:	1.00	Date of Analysis: 10/26/07 10:21 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.082	0.11
Trichloroethene	0.10	Not Detected
Toluene	0.20	0.22
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	0.12
Ethyl Benzene	0.10	2.0
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	0.63
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	75-125
Toluene-d8	104	75-125
Dibromofluoromethane	87	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-5

Lab ID#: 0710665-07A

EPA METHOD 8260B

File Name:	q102909	Date of Collection: 10/26/07
Dil. Factor:	8.40	Date of Analysis: 10/29/07 12:33 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.84	Not Detected
Vinyl Chloride	0.84	Not Detected
Chloroethane	0.84	Not Detected
Freon 11	0.84	Not Detected
1,1-Dichloroethene	0.84	Not Detected
Freon 113	0.84	Not Detected
Methylene Chloride	0.84	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected
1,1-Dichloroethane	0.84	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected
Chloroform	0.84	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected
Carbon Tetrachloride	0.84	Not Detected
1,2-Dichloroethane	0.84	Not Detected
Benzene	0.67	0.96
Trichloroethene	0.84	Not Detected
Toluene	0.84	Not Detected
1,1,2-Trichloroethane	0.84	Not Detected
Tetrachloroethene	0.84	Not Detected
Ethyl Benzene	0.84	13
1,1,1,2-Tetrachloroethane	0.84	Not Detected
m,p-Xylene	0.84	3.4
o-Xylene	0.84	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	75-125
Toluene-d8	106	75-125
Dibromofluoromethane	76	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-9

Lab ID#: 0710665-08A

EPA METHOD 8260B

File Name:	q102907	Date of Collection:	10/26/07
Dil. Factor:	1.00	Date of Analysis:	10/29/07 11:27 AM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	0.56
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	75-125
Toluene-d8	107	75-125
Dibromofluoromethane	91	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-8

Lab ID#: 0710665-09A

EPA METHOD 8260B

File Name:	q102906	Date of Collection:	10/26/07
Dil. Factor:	4.13	Date of Analysis:	10/29/07 10:57 AM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.41	Not Detected
Vinyl Chloride	0.41	Not Detected
Chloroethane	0.41	Not Detected
Freon 11	0.41	Not Detected
1,1-Dichloroethene	0.41	Not Detected
Freon 113	0.41	Not Detected
Methylene Chloride	0.41	Not Detected
trans-1,2-Dichloroethene	0.41	Not Detected
1,1-Dichloroethane	0.41	Not Detected
cis-1,2-Dichloroethene	0.41	Not Detected
Chloroform	0.41	Not Detected
1,1,1-Trichloroethane	0.41	Not Detected
Carbon Tetrachloride	0.41	Not Detected
1,2-Dichloroethane	0.41	Not Detected
Benzene	0.33	Not Detected
Trichloroethene	0.41	Not Detected
Toluene	0.41	Not Detected
1,1,2-Trichloroethane	0.41	Not Detected
Tetrachloroethene	0.41	Not Detected
Ethyl Benzene	0.41	1.7
1,1,1,2-Tetrachloroethane	0.41	Not Detected
m,p-Xylene	0.41	0.48
o-Xylene	0.41	Not Detected
1,1,2,2-Tetrachloroethane	0.41	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	75-125
Toluene-d8	107	75-125
Dibromofluoromethane	96	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-8 Lab Duplicate

Lab ID#: 0710665-09AA

EPA METHOD 8260B

File Name:	q102809	Date of Collection:	10/26/07
Dil. Factor:	4.13	Date of Analysis:	10/28/07 08:29 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.41	Not Detected
Vinyl Chloride	0.41	Not Detected
Chloroethane	0.41	Not Detected
Freon 11	0.41	Not Detected
1,1-Dichloroethene	0.41	Not Detected
Freon 113	0.41	Not Detected
Methylene Chloride	0.41	Not Detected
trans-1,2-Dichloroethene	0.41	Not Detected
1,1-Dichloroethane	0.41	Not Detected
cis-1,2-Dichloroethene	0.41	Not Detected
Chloroform	0.41	Not Detected
1,1,1-Trichloroethane	0.41	Not Detected
Carbon Tetrachloride	0.41	Not Detected
1,2-Dichloroethane	0.41	Not Detected
Benzene	0.33	Not Detected
Trichloroethene	0.41	Not Detected
Toluene	0.41	Not Detected
1,1,2-Trichloroethane	0.41	Not Detected
Tetrachloroethene	0.41	Not Detected
Ethyl Benzene	0.41	1.7
1,1,1,2-Tetrachloroethane	0.41	Not Detected
m,p-Xylene	0.41	0.55
o-Xylene	0.41	Not Detected
1,1,2,2-Tetrachloroethane	0.41	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	75-125
Toluene-d8	107	75-125
Dibromofluoromethane	90	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-6

Lab ID#: 0710665-10A

EPA METHOD 8260B

File Name:	q102810	Date of Collection:	10/26/07
Dil. Factor:	1.00	Date of Analysis:	10/28/07 08:54 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	0.27
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	75-125
Toluene-d8	105	75-125
Dibromofluoromethane	95	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-10

Lab ID#: 0710665-11A

EPA METHOD 8260B

File Name:	q102811	Date of Collection:	10/26/07
Dil. Factor:	1.00	Date of Analysis:	10/28/07 09:16 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	0.21
Trichloroethene	0.10	Not Detected
Toluene	0.20	0.26
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	0.28
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	75-125
Toluene-d8	105	75-125
Dibromofluoromethane	95	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0710665-12A

EPA METHOD 8260B

File Name:	q102608	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/26/07 05:40 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	75-125
Toluene-d8	104	75-125
Dibromofluoromethane	102	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0710665-12B

EPA METHOD 8260B

File Name:	q102807	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/07 07:27 PM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	75-125
Toluene-d8	104	75-125
Dibromofluoromethane	106	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0710665-12C

EPA METHOD 8260B

File Name:	q102905	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/29/07 10:25 AM

Compound	Rpt. Limit (ug/l)	Amount (ug/l)
Freon 12	0.10	Not Detected
Vinyl Chloride	0.10	Not Detected
Chloroethane	0.10	Not Detected
Freon 11	0.10	Not Detected
1,1-Dichloroethene	0.10	Not Detected
Freon 113	0.10	Not Detected
Methylene Chloride	0.10	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected
1,1-Dichloroethane	0.10	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected
Chloroform	0.10	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected
Carbon Tetrachloride	0.10	Not Detected
1,2-Dichloroethane	0.10	Not Detected
Benzene	0.080	Not Detected
Trichloroethene	0.10	Not Detected
Toluene	0.20	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected
Tetrachloroethene	0.10	Not Detected
Ethyl Benzene	0.10	Not Detected
1,1,1,2-Tetrachloroethane	0.10	Not Detected
m,p-Xylene	0.20	Not Detected
o-Xylene	0.10	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	75-125
Toluene-d8	108	75-125
Dibromofluoromethane	102	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710665-13A

EPA METHOD 8260B

File Name:	q102605	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/26/07 04:08 PM

Compound	%Recovery
Freon 12	99
Vinyl Chloride	106
Chloroethane	111
Freon 11	109
1,1-Dichloroethene	109
Freon 113	116
Methylene Chloride	102
trans-1,2-Dichloroethene	102
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	104
Chloroform	108
1,1,1-Trichloroethane	109
Carbon Tetrachloride	111
1,2-Dichloroethane	106
Benzene	103
Trichloroethene	103
Toluene	99
1,1,2-Trichloroethane	102
Tetrachloroethene	101
Ethyl Benzene	103
1,1,1,2-Tetrachloroethane	105
m,p-Xylene	111
o-Xylene	107
1,1,2,2-Tetrachloroethane	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	75-125
Toluene-d8	98	75-125
Dibromofluoromethane	105	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710665-13B

EPA METHOD 8260B

File Name:	q102803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/07 04:33 PM

Compound	%Recovery
Freon 12	86
Vinyl Chloride	88
Chloroethane	97
Freon 11	96
1,1-Dichloroethene	99
Freon 113	102
Methylene Chloride	92
trans-1,2-Dichloroethene	94
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	103
Chloroform	100
1,1,1-Trichloroethane	100
Carbon Tetrachloride	103
1,2-Dichloroethane	104
Benzene	102
Trichloroethene	104
Toluene	108
1,1,2-Trichloroethane	111
Tetrachloroethene	103
Ethyl Benzene	108
1,1,1,2-Tetrachloroethane	101
m,p-Xylene	113
o-Xylene	108
1,1,2,2-Tetrachloroethane	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	75-125
Toluene-d8	105	75-125
Dibromofluoromethane	98	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710665-13C

EPA METHOD 8260B

File Name:	q102902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/29/07 08:55 AM

Compound	%Recovery
Freon 12	86
Vinyl Chloride	93
Chloroethane	102
Freon 11	97
1,1-Dichloroethene	102
Freon 113	104
Methylene Chloride	93
trans-1,2-Dichloroethene	96
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	102
Chloroform	99
1,1,1-Trichloroethane	99
Carbon Tetrachloride	99
1,2-Dichloroethane	96
Benzene	98
Trichloroethene	100
Toluene	99
1,1,2-Trichloroethane	100
Tetrachloroethene	99
Ethyl Benzene	102
1,1,1,2-Tetrachloroethane	98
m,p-Xylene	106
o-Xylene	106
1,1,2,2-Tetrachloroethane	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	75-125
Toluene-d8	103	75-125
Dibromofluoromethane	102	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0710665-14A

EPA METHOD 8260B

File Name:	q102606	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/26/07 04:41 PM

Compound	%Recovery
Freon 12	98
Vinyl Chloride	96
Chloroethane	108
Freon 11	114
1,1-Dichloroethene	110
Freon 113	106
Methylene Chloride	95
trans-1,2-Dichloroethene	100
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	105
Chloroform	105
1,1,1-Trichloroethane	106
Carbon Tetrachloride	107
1,2-Dichloroethane	109
Benzene	104
Trichloroethene	105
Toluene	105
1,1,2-Trichloroethane	109
Tetrachloroethene	104
Ethyl Benzene	110
1,1,1,2-Tetrachloroethane	109
m,p-Xylene	116
o-Xylene	112
1,1,2,2-Tetrachloroethane	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	75-125
Toluene-d8	101	75-125
Dibromofluoromethane	102	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0710665-14B

EPA METHOD 8260B

File Name:	q102804	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/07 05:23 PM

Compound	%Recovery
Freon 12	86
Vinyl Chloride	88
Chloroethane	100
Freon 11	104
1,1-Dichloroethene	104
Freon 113	96
Methylene Chloride	90
trans-1,2-Dichloroethene	94
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	98
Chloroform	97
1,1,1-Trichloroethane	96
Carbon Tetrachloride	99
1,2-Dichloroethane	98
Benzene	97
Trichloroethene	98
Toluene	98
1,1,2-Trichloroethane	96
Tetrachloroethene	98
Ethyl Benzene	98
1,1,1,2-Tetrachloroethane	99
m,p-Xylene	106
o-Xylene	105
1,1,2,2-Tetrachloroethane	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	75-125
Toluene-d8	104	75-125
Dibromofluoromethane	102	75-125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS
 Lab ID#: 0710665-14C
 EPA METHOD 8260B

File Name:	q102903	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/29/07 09:34 AM

Compound	%Recovery
Freon 12	93
Vinyl Chloride	95
Chloroethane	114
Freon 11	114
1,1-Dichloroethene	114
Freon 113	106
Methylene Chloride	98
trans-1,2-Dichloroethene	104
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	110
Chloroform	106
1,1,1-Trichloroethane	107
Carbon Tetrachloride	109
1,2-Dichloroethane	109
Benzene	107
Trichloroethene	107
Toluene	109
1,1,2-Trichloroethane	110
Tetrachloroethene	108
Ethyl Benzene	112
1,1,1,2-Tetrachloroethane	108
m,p-Xylene	116
o-Xylene	115
1,1,2,2-Tetrachloroethane	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	75-125
Toluene-d8	104	75-125
Dibromofluoromethane	101	75-125

ANALYTICAL REPORT

Job Number: 720-11430-1

Job Description: AB&I Foundry

For:

The Source Group
3451-C Vincent Road
Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
10/31/2007

Job Narrative
720-J11430-1

Comments

No additional comments.

Receipt

The following samples were received with headspace in the sample vial: 1 hcl voa for -6 and 3 hcl voas for MW-3.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11430-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11430-1	MW-6				
Methane		0.012	0.010	mg/L	RSK-175
Chloride		210	100	mg/L	300.0
Sulfate		140	100	mg/L	300.0
Alkalinity		960	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		960	8.0	mg/L	SM 2320B
Ferrous Iron		0.42	0.050	mg/L	SM 3500 FE D
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		110	50	ug/L	8015B
<i>Dissolved</i>					
Manganese		1.0	0.0050	mg/L	6010B
720-11430-2	MW-4				
Methane		3.5	0.010	mg/L	RSK-175
Chloride		21	10	mg/L	300.0
Sulfate		51	10	mg/L	300.0
Alkalinity		350	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		350	8.0	mg/L	SM 2320B
Ferrous Iron		1.2	0.050	mg/L	SM 3500 FE D
<i>Dissolved</i>					
Manganese		1.7	0.0050	mg/L	6010B
720-11430-3	MW-3				
Gasoline Range Organics (GRO)-C5-C12		540	50	ug/L	8260B
1,1-Dichloroethane		180	5.0	ug/L	8260B
1,1-Dichloroethene		680	5.0	ug/L	8260B
cis-1,2-Dichloroethene		5.0	5.0	ug/L	8260B
1,1,1-Trichloroethane		13	5.0	ug/L	8260B
Vinyl chloride		7.5	5.0	ug/L	8260B
Methane		2.3	0.010	mg/L	RSK-175
Chloride		250	100	mg/L	300.0
Sulfate		190	100	mg/L	300.0
Alkalinity		850	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		850	8.0	mg/L	SM 2320B
Ferrous Iron		0.22	0.050	mg/L	SM 3500 FE D
<i>Dissolved</i>					
Manganese		1.3	0.0050	mg/L	6010B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11430-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Dissolved Gases in Water	TAL SF	RSK RSK-175	
Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection	TAL TAL	STL SOP VFA	
Volatile Fatty Acid Water Prep	TAL TAL		STL SOP VFA
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C SGC
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Sample Filtration	TAL SF		FILTRATION
Acid Digestion of Waters for Total Recoverable or	TAL SF		SW846 3005A
Anions by Ion Chromatography	TAL SF	MCAWW 300.0	
Anions by Ion Chromatography	TAL SF	MCAWW 300.0	
Alkalinity, Titration Method	TAL SF	SM18 SM 2320B	
Ferrous and Ferric Iron	TAL SF	SM18 SM 3500 FE D	

Lab References:

TAL SF = TestAmerica San Francisco

TAL TAL = TestAmerica Tallahassee

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

STL SOP = Severn Trent Laboratories, Standard Operating Procedure

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11430-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11430-1	MW-6	Water	10/24/2007 1200	10/24/2007 1715
720-11430-2	MW-4	Water	10/24/2007 1400	10/24/2007 1715
720-11430-3	MW-3	Water	10/24/2007 1530	10/24/2007 1715

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1
Client Matrix: Water

Date Sampled: 10/24/2007 1200
Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-27964	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/29/2007 1853		Final Weight/Volume: 40 mL
Date Prepared:	10/29/2007 1853		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1

Client Matrix: Water

Date Sampled: 10/24/2007 1200

Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-27964 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200710\10
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 10/29/2007 1853 Final Weight/Volume: 40 mL
Date Prepared: 10/29/2007 1853

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	125	83 - 127
1,2-Dichloroethane-d4 (Surr)	110	86 - 129
Toluene-d8 (Surr)	118	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2
Client Matrix: Water

Date Sampled: 10/24/2007 1400
Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-27964	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/29/2007 1926		Final Weight/Volume: 40 mL
Date Prepared:	10/29/2007 1926		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2
Client Matrix: Water

Date Sampled: 10/24/2007 1400
Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-27964	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/29/2007 1926		Final Weight/Volume: 40 mL
Date Prepared:	10/29/2007 1926		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	123	83 - 127
1,2-Dichloroethane-d4 (Surr)	114	86 - 129
Toluene-d8 (Surr)	116	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2

Date Sampled: 10/24/2007 1400

Client Matrix: Water

Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-27880

Instrument ID: Saturn 3900B

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 10/25/2007 1521

Final Weight/Volume: 40 mL

Date Prepared: 10/25/2007 1521

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		5.0
MTBE	ND		0.50
Ethyl tert-butyl ether	ND		0.50
DIPE	ND		1.0
TAME	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		73 - 130
Toluene-d8 (Surr)	110		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3

Client Matrix: Water

Date Sampled: 10/24/2007 1530

Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28061 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200710\10
Dilution: 10 Initial Weight/Volume: 40 mL
Date Analyzed: 10/31/2007 1410 Final Weight/Volume: 40 mL
Date Prepared: 10/31/2007 1410

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		50
Acetone	ND		500
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		10
Chlorobromomethane	ND		10
Bromoform	ND		10
Bromomethane	ND		10
2-Butanone (MEK)	ND		500
n-Butylbenzene	ND		10
sec-Butylbenzene	ND		10
tert-Butylbenzene	ND		10
Carbon disulfide	ND		50
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		10
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		10
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		10
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		5.0
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethane	180		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	680		5.0
cis-1,2-Dichloroethene	5.0		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		10
2-Hexanone	ND		500
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		10
Methylene Chloride	ND		50

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3
Client Matrix: Water

Date Sampled: 10/24/2007 1530
Date Received: 10/24/2007 1715

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28061	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	10		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1410		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1410		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		500
Naphthalene	ND		10
N-Propylbenzene	ND		10
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		10
1,1,1-Trichloroethane	13		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		10
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		500
Vinyl chloride	7.5		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	128	X	83 - 127
1,2-Dichloroethane-d4 (Surr)	108		86 - 129
Toluene-d8 (Surr)	116		82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1

Date Sampled: 10/24/2007 1200

Client Matrix: Water

Date Received: 10/24/2007 1715

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	0.012		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2

Date Sampled: 10/24/2007 1400

Client Matrix: Water

Date Received: 10/24/2007 1715

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	3.5		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3

Date Sampled: 10/24/2007 1530

Client Matrix: Water

Date Received: 10/24/2007 1715

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	2.3		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1

Date Sampled: 10/24/2007 1200

Client Matrix: Water

Date Received: 10/24/2007 1715

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I30.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/29/2007 2013		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	100	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2

Date Sampled: 10/24/2007 1400

Client Matrix: Water

Date Received: 10/24/2007 1715

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I31.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/29/2007 2036		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	103	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3

Date Sampled: 10/24/2007 1530

Client Matrix: Water

Date Received: 10/24/2007 1715

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I32.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/29/2007 2100		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	100	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1

Date Sampled: 10/24/2007 1200

Client Matrix: Water

Date Received: 10/24/2007 1715

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28041	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27943	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/30/2007 1206		Final Weight/Volume: 1 mL
Date Prepared:	10/29/2007 1147		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	110		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	81	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2

Date Sampled: 10/24/2007 1400

Client Matrix: Water

Date Received: 10/24/2007 1715

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28041	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27943	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/30/2007 1234		Final Weight/Volume: 1 mL
Date Prepared:	10/29/2007 1147		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	78		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3

Date Sampled: 10/24/2007 1530

Client Matrix: Water

Date Received: 10/24/2007 1715

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28041	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27943	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/30/2007 1301		Final Weight/Volume: 1 mL
Date Prepared:	10/29/2007 1147		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	4		0 - 5
p-Terphenyl	84		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1

Date Sampled: 10/24/2007 1200

Client Matrix: Water

Date Received: 10/24/2007 1715

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method: 6010B

Analysis Batch: 720-27917

Instrument ID: Varian ICP

Preparation: 3005A

Prep Batch: 720-27895

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 10/26/2007 1825

Final Weight/Volume: 42.8 mL

Date Prepared: 10/26/2007 0831

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	1.0		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2
Client Matrix: Water

Date Sampled: 10/24/2007 1400
Date Received: 10/24/2007 1715

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27917	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27895	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/26/2007 1829		Final Weight/Volume:	42.8 mL
Date Prepared:	10/26/2007 0831			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	1.7		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3
Client Matrix: Water

Date Sampled: 10/24/2007 1530
Date Received: 10/24/2007 1715

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27917	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27895	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/26/2007 1833		Final Weight/Volume:	42.8 mL
Date Prepared:	10/26/2007 0831			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	1.3		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

General Chemistry

Client Sample ID: MW-6

Lab Sample ID: 720-11430-1

Date Sampled: 10/24/2007 1200

Client Matrix: Water

Date Received: 10/24/2007 1715

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	210		mg/L	100	100	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	1928		
Sulfate	140		mg/L	100	100	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	1928		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27868	Date Analyzed	10/25/2007	0423		
Ferrous Iron	0.42		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/24/2007	1905		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	960		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Bicarbonate Alkalinity as CaCO3	960		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

General Chemistry

Client Sample ID: MW-4

Lab Sample ID: 720-11430-2

Date Sampled: 10/24/2007 1400

Client Matrix: Water

Date Received: 10/24/2007 1715

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	21		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	1943		
Sulfate	51		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	1943		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27868	Date Analyzed	10/25/2007	0439		
Ferrous Iron	1.2		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/24/2007	1905		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	350		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Bicarbonate Alkalinity as CaCO3	350		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11430-1

General Chemistry

Client Sample ID: MW-3

Lab Sample ID: 720-11430-3

Date Sampled: 10/24/2007 1530

Client Matrix: Water

Date Received: 10/24/2007 1715

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	250		mg/L	100	100	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	1959		
Sulfate	190		mg/L	100	100	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	1959		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27868	Date Analyzed	10/25/2007	0454		
Ferrous Iron	0.22		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/24/2007	1905		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	850		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Bicarbonate Alkalinity as CaCO3	850		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28054	Date Analyzed	10/25/2007	1400		

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11430-1

Lab Section	Qualifier	Description
GC/MS VOA	X	Surrogate exceeds the control limits
GC VOA	F	MS or MSD exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-27880					
LCS 720-27880/3	Lab Control Spike	T	Water	8260B	
LCSD 720-27880/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-27880/4	Method Blank	T	Water	8260B	
720-11430-1	MW-6	T	Water	8260B	
720-11430-2	MW-4	T	Water	8260B	
720-11430-3	MW-3	T	Water	8260B	
Analysis Batch:720-27964					
LCS 720-27964/1	Lab Control Spike	T	Water	8260B	
MB 720-27964/2	Method Blank	T	Water	8260B	
720-11430-1	MW-6	T	Water	8260B	
720-11430-2	MW-4	T	Water	8260B	
Analysis Batch:720-28061					
LCS 720-28061/1	Lab Control Spike	T	Water	8260B	
LCSD 720-28061/8	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28061/2	Method Blank	T	Water	8260B	
720-11430-3	MW-3	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:720-27961					
LCS 720-27961/1	Lab Control Spike	T	Water	RSK-175	
LCSD 720-27961/2	Lab Control Spike Duplicate	T	Water	RSK-175	
MB 720-27961/3	Method Blank	T	Water	RSK-175	
720-11430-1	MW-6	T	Water	RSK-175	
720-11430-1MS	Matrix Spike	T	Water	RSK-175	
720-11430-1MSD	Matrix Spike Duplicate	T	Water	RSK-175	
720-11430-2	MW-4	T	Water	RSK-175	
720-11430-3	MW-3	T	Water	RSK-175	
Analysis Batch:640-38016					
LCS 640-38032/2-A	Lab Control Spike	T	Water	VFA	640-38032
LCSD 640-38032/3-A	Lab Control Spike Duplicate	T	Water	VFA	640-38032
MB 640-38032/1-A	Method Blank	T	Water	VFA	640-38032
720-11430-1	MW-6	T	Water	VFA	640-38032
720-11430-2	MW-4	T	Water	VFA	640-38032
720-11430-3	MW-3	T	Water	VFA	640-38032
Prep Batch: 640-38032					
LCS 640-38032/2-A	Lab Control Spike	T	Water	VFA	
LCSD 640-38032/3-A	Lab Control Spike Duplicate	T	Water	VFA	
MB 640-38032/1-A	Method Blank	T	Water	VFA	
720-11430-1	MW-6	T	Water	VFA	
720-11430-2	MW-4	T	Water	VFA	
720-11430-3	MW-3	T	Water	VFA	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-27943					
LCS 720-27943/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-27943/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-27943/1-A	Method Blank	A	Water	3510C SGC	
720-11430-1	MW-6	A	Water	3510C SGC	
720-11430-2	MW-4	A	Water	3510C SGC	
720-11430-3	MW-3	A	Water	3510C SGC	
Analysis Batch:720-28041					
LCS 720-27943/2-A	Lab Control Spike	A	Water	8015B	720-27943
LCSD 720-27943/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-27943
MB 720-27943/1-A	Method Blank	A	Water	8015B	720-27943
720-11430-1	MW-6	A	Water	8015B	720-27943
720-11430-2	MW-4	A	Water	8015B	720-27943
720-11430-3	MW-3	A	Water	8015B	720-27943
Report Basis					
A = Silica Gel Cleanup					
Metals					
Prep Batch: 720-27895					
LCS 720-27895/2-A	Lab Control Spike	R	Water	3005A	
LCSD 720-27895/3-A	Lab Control Spike Duplicate	R	Water	3005A	
MB 720-27878/1-B	Method Blank	D	Water	3005A	
720-11430-1	MW-6	D	Water	3005A	
720-11430-1MS	Matrix Spike	D	Water	3005A	
720-11430-1MSD	Matrix Spike Duplicate	D	Water	3005A	
720-11430-2	MW-4	D	Water	3005A	
720-11430-3	MW-3	D	Water	3005A	
Analysis Batch:720-27917					
LCS 720-27895/2-A	Lab Control Spike	R	Water	6010B	720-27895
LCSD 720-27895/3-A	Lab Control Spike Duplicate	R	Water	6010B	720-27895
MB 720-27878/1-B	Method Blank	D	Water	6010B	720-27895
720-11430-1	MW-6	D	Water	6010B	720-27895
720-11430-1MS	Matrix Spike	D	Water	6010B	720-27895
720-11430-1MSD	Matrix Spike Duplicate	D	Water	6010B	720-27895
720-11430-2	MW-4	D	Water	6010B	720-27895
720-11430-3	MW-3	D	Water	6010B	720-27895
Report Basis					
D = Dissolved					
R = Total Recoverable					

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Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-27868					
LCS 720-27868/3	Lab Control Spike	T	Water	300.0	
LCSD 720-27868/4	Lab Control Spike Duplicate	T	Water	300.0	
MB 720-27868/2	Method Blank	T	Water	300.0	
720-11430-1	MW-6	T	Water	300.0	
720-11430-2	MW-4	T	Water	300.0	
720-11430-3	MW-3	T	Water	300.0	
720-11430-3MS	Matrix Spike	T	Water	300.0	
720-11430-3MSD	Matrix Spike Duplicate	T	Water	300.0	
Analysis Batch:720-28003					
LCS 720-28003/3	Lab Control Spike	T	Water	300.0	
LCSD 720-28003/4	Lab Control Spike Duplicate	T	Water	300.0	
MB 720-28003/2	Method Blank	T	Water	300.0	
720-11430-1	MW-6	T	Water	300.0	
720-11430-2	MW-4	T	Water	300.0	
720-11430-3	MW-3	T	Water	300.0	
Analysis Batch:720-28054					
LCS 720-28054/2	Lab Control Spike	T	Water	SM 2320B	
LCSD 720-28054/3	Lab Control Spike Duplicate	T	Water	SM 2320B	
MB 720-28054/1	Method Blank	T	Water	SM 2320B	
720-11430-1	MW-6	T	Water	SM 2320B	
720-11430-2	MW-4	T	Water	SM 2320B	
720-11430-3	MW-3	T	Water	SM 2320B	
Analysis Batch:720-28058					
LCS 720-28058/2	Lab Control Spike	T	Water	SM 3500 FE D	
LCSD 720-28058/3	Lab Control Spike Duplicate	T	Water	SM 3500 FE D	
MB 720-28058/1	Method Blank	T	Water	SM 3500 FE D	
720-11430-1	MW-6	T	Water	SM 3500 FE D	
720-11430-1MS	Matrix Spike	T	Water	SM 3500 FE D	
720-11430-1MSD	Matrix Spike Duplicate	T	Water	SM 3500 FE D	
720-11430-2	MW-4	T	Water	SM 3500 FE D	
720-11430-3	MW-3	T	Water	SM 3500 FE D	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27880

Lab Sample ID: MB 720-27880/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1209
Date Prepared: 10/25/2007 1209

Analysis Batch: 720-27880
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
TBA	ND		5.0
MTBE	ND		0.50
Ethyl tert-butyl ether	ND		0.50
DIPE	ND		1.0
TAME	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	109	73 - 130	
Toluene-d8 (Surr)	108	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-27880**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-27880/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1251
Date Prepared: 10/25/2007 1251

Analysis Batch: 720-27880
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200710\102
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-27880/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1115
Date Prepared: 10/25/2007 1115

Analysis Batch: 720-27880
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200710\102
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	96	96	69 - 129	1	20		
Toluene	96	96	70 - 130	0	20		
TBA	90	92	60 - 120	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	109		117		73 - 130		
Toluene-d8 (Surr)	109		110		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27964

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-27964/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1105
Date Prepared: 10/29/2007 1105

Analysis Batch: 720-27964
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27964

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-27964/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1105
Date Prepared: 10/29/2007 1105

Analysis Batch: 720-27964
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	114	83 - 127	
1,2-Dichloroethane-d4 (Surr)	101	86 - 129	
Toluene-d8 (Surr)	101	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Lab Control Spike - Batch: 720-27964

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 720-27964/1

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 10/29/2007 1032

Date Prepared: 10/29/2007 1032

Analysis Batch: 720-27964

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900F

Lab File ID: c:\saturnws\data\200710\10

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	19.3	96	69 - 129	
Chlorobenzene	20.0	21.6	108	61 - 121	
1,1-Dichloroethene	20.0	20.1	101	65 - 125	
Toluene	20.0	19.8	99	70 - 130	
Trichloroethene	20.0	18.0	90	74 - 134	
Surrogate			% Rec	Acceptance Limits	
4-Bromofluorobenzene			109	83 - 127	
1,2-Dichloroethane-d4 (Surr)			91	86 - 129	
Toluene-d8 (Surr)			95	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-28061

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28061/2
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/31/2007 1123
 Date Prepared: 10/31/2007 1123

Analysis Batch: 720-28061
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Varian 3900F
 Lab File ID: c:\saturnws\data\200710\1C
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-28061

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28061/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1123
Date Prepared: 10/31/2007 1123

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	101	83 - 127	
1,2-Dichloroethane-d4 (Surr)	93	86 - 129	
Toluene-d8 (Surr)	85	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28061**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28061/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1017
Date Prepared: 10/31/2007 1017

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28061/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1050
Date Prepared: 10/31/2007 1050

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	93	69 - 129	9	20		
Chlorobenzene	98	103	61 - 121	5	20		
1,1-Dichloroethene	90	93	65 - 125	4	20		
Toluene	87	94	70 - 130	8	20		
Trichloroethene	80	91	74 - 134	13	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	110		110		83 - 127		
1,2-Dichloroethane-d4 (Surr)	93		99		86 - 129		
Toluene-d8 (Surr)	99		103		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27961

Method: RSK-175
Preparation: N/A

Lab Sample ID: MB 720-27961/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A
Units: mg/L

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	Result	Qual	RL
Methane	ND		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-27961**

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID: LCS 720-27961/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A
Units: mg/L

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

LCSD Lab Sample ID: LCSD 720-27961/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A
Units: mg/L

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methane	80	77	65 - 135	4	35		
Ethane	83	81	65 - 135	3	35		
Ethylene	80	77	65 - 135	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-27961**

**Method: RSK-175
Preparation: N/A**

MS Lab Sample ID: 720-11430-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

MSD Lab Sample ID: 720-11430-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Methane	79	73	65 - 135	8	35		
Ethane	76	73	65 - 135	4	35		
Ethylene	64	59	65 - 135	8	35	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 640-38032

Method: VFA
Preparation: VFA

Lab Sample ID: MB 640-38032/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1752
Date Prepared: 10/29/2007 1415

Analysis Batch: 640-38016
Prep Batch: 640-38032
Units: mg/L

Instrument ID: SGI Varian 3400
Lab File ID: 1J29I24.d
Initial Weight/Volume: 1.5 mL
Final Weight/Volume: 1.5 mL
Injection Volume:

Analyte	Result	Qual	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Trimethylacetic Acid	100	30 - 150	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 640-38032**

Method: VFA
Preparation: VFA

LCS Lab Sample ID: LCS 640-38032/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1815
Date Prepared: 10/29/2007 1415

Analysis Batch: 640-38016
Prep Batch: 640-38032
Units: mg/L

Instrument ID: SGI Varian 3400
Lab File ID: 1J29I25.d
Initial Weight/Volume: 17.5 mL
Final Weight/Volume: 17.5 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 640-38032/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1839
Date Prepared: 10/29/2007 1415

Analysis Batch: 640-38016
Prep Batch: 640-38032
Units: mg/L

Instrument ID: SGI Varian 3400
Lab File ID: 1J29I26.d
Initial Weight/Volume: 17.5 mL
Final Weight/Volume: 17.5 mL
Injection Volume:

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetic acid	98	105	61 - 114	8	20		
Propionic acid	95	92	77 - 107	4	20		
Pyruvic Acid	89	92	63 - 114	3	26		
Butyric acid	93	93	74 - 105	1	20		
Lactic acid	118	121	32 - 152	3	43		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27943

Lab Sample ID: MB 720-27943/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1139
 Date Prepared: 10/29/2007 1147

Analysis Batch: 720-28041
 Prep Batch: 720-27943
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	82		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-27943**

LCS Lab Sample ID: LCS 720-27943/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1046
 Date Prepared: 10/29/2007 1147

Analysis Batch: 720-28041
 Prep Batch: 720-27943
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-27943/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1113
 Date Prepared: 10/29/2007 1147

Analysis Batch: 720-28041
 Prep Batch: 720-27943
 Units: ug/L

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	55	64	50 - 130	15	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		73	75			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27895

Lab Sample ID: MB 720-27878/1-B
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/26/2007 1807
 Date Prepared: 10/26/2007 0831

Analysis Batch: 720-27917
 Prep Batch: 720-27895
 Units: mg/L

**Method: 6010B
 Preparation: 3005A
 Dissolved**

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 42.8 mL

Analyte	Result	Qual	RL
Lead	ND		0.0050
Manganese	ND		0.0050

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-27895**

LCS Lab Sample ID: LCS 720-27895/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/26/2007 1810
 Date Prepared: 10/26/2007 0831

Analysis Batch: 720-27917
 Prep Batch: 720-27895
 Units: mg/L

**Method: 6010B
 Preparation: 3005A
 Total Recoverable**

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 42.8 mL

LCSD Lab Sample ID: LCSD 720-27895/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/26/2007 1814
 Date Prepared: 10/26/2007 0831

Analysis Batch: 720-27917
 Prep Batch: 720-27895
 Units: mg/L

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 42.8 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	100	101	80 - 120	1	20		
Manganese	102	103	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-27895**

**Method: 6010B
Preparation: 3005A
Dissolved**

MS Lab Sample ID: 720-11430-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2007 1818
Date Prepared: 10/26/2007 0831

Analysis Batch: 720-27917
Prep Batch: 720-27895

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

MSD Lab Sample ID: 720-11430-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2007 1821
Date Prepared: 10/26/2007 0831

Analysis Batch: 720-27917
Prep Batch: 720-27895

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	98	98	75 - 125	0	20		
Manganese	97	97	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-27868

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-27868/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 0337
Date Prepared: N/A

Analysis Batch: 720-27868
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10240
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Nitrate ion	ND		1.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-27868**

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 720-27868/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 0352
Date Prepared: N/A

Analysis Batch: 720-27868
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10240
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-27868/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 0408
Date Prepared: N/A

Analysis Batch: 720-27868
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-102407
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate ion	95	99	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-27868**

**Method: 300.0
Preparation: N/A**

MS Lab Sample ID: 720-11430-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 0510
Date Prepared: N/A

Analysis Batch: 720-27868
Prep Batch: N/A

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-1024
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 720-11430-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 0526
Date Prepared: N/A

Analysis Batch: 720-27868
Prep Batch: N/A

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10240
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrate ion	92	93	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-28003

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-28003/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1810
Date Prepared: N/A

Analysis Batch: 720-28003
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10290
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloride	ND		1.0
Sulfate	ND		1.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28003**

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 720-28003/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1826
Date Prepared: N/A

Analysis Batch: 720-28003
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10290
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-28003/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1841
Date Prepared: N/A

Analysis Batch: 720-28003
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-102907
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chloride	95	94	80 - 120	1	20		
Sulfate	91	99	80 - 120	8	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-28054

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 720-28054/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1400
Date Prepared: N/A

Analysis Batch: 720-28054
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Alkalinity	ND		8.0
Bicarbonate Alkalinity as CaCO3	ND		8.0
Carbonate Alkalinity as CaCO3	ND		8.0
Hydroxide Alkalinity	ND		8.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28054**

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID: LCS 720-28054/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1400
Date Prepared: N/A

Analysis Batch: 720-28054
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: mL

LCSD Lab Sample ID: LCSD 720-28054/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1400
Date Prepared: N/A

Analysis Batch: 720-28054
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Alkalinity	95	95	80 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

Method Blank - Batch: 720-28058

**Method: SM 3500 FE D
Preparation: N/A**

Lab Sample ID: MB 720-28058/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A
Units: mg/L

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Ferrous Iron	ND		0.050

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28058**

**Method: SM 3500 FE D
Preparation: N/A**

LCS Lab Sample ID: LCS 720-28058/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A
Units: mg/L

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-28058/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A
Units: mg/L

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ferrous Iron	99	99	80 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11430-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28058**

**Method: SM 3500 FE D
Preparation: N/A**

MS Lab Sample ID: 720-11430-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 720-11430-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ferrous Iron	97	100	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-11430-revised

Chain of Custody Record

STL

107803

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/24/07		COC No: 1							
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		1 of 1 COCs							
3451-C Vincent Road		Analysis Turnaround Time		Filtered Sample: 01-ABI-001-175 TPHg & VOCs 8260B + 5 Fuel Oxy Alkalinity Cl, NO3, SO4 Dissolved Min & Pb Ferrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup		Job No. 01-ABI-001		SDG No.							
Pleasant Hill, California		Calendar (C) or Work Days (W)				Sample Specific Notes:									
(925) 944-2856 x326 Phone		TAT if different from Below _____				Filter Dissolved Metals									
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks				↓									
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week													
Site: AB&I Foundry		<input type="checkbox"/> 2 days													
P O # 01-ABI-001/175		<input type="checkbox"/> 1 day													
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TPHg & VOCs 8260B + 5 Fuel Oxy	Alkalinity	Cl, NO3, SO4	Dissolved Min & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Sample Specific Notes
MW-6	10/24	1200	GW	W	17	X	X	X	X	X	X	X	X	X	
MW-4	10/24	1400	GW	W	17	X	X	X	X	X	X	X	X	X	
MW-3	10/24	1530	GW	W	17	X	X	X	X	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format															
Filter Dissolved Metals.															
Relinquished by: <i>Joe M. G.</i>		Company: SGI		Date/Time: 10/24/07 1545		Received by: <i>Chris SOS</i>		Company:		Date/Time: 10/24		Temp 3.8°C			
Relinquished by: <i>CAW #505</i>		Company: World 175		Date/Time: 10/24		Received by: <i>Fer Bull</i>		Company: T.M.S.F.		Date/Time: 10/24/07 1715					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11430-1

Login Number: 11430
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	NCM
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11430-1

Login Number: 11430
Creator: Aaron, Terron
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 10/27/07 12:14 PM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11448-1

Job Description: AB&I Foundry

For:

The Source Group
3451-C Vincent Road
Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds

Melissa Brewer

Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/02/2007

Job Narrative
720-J11448-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method 8260B: The Gasoline Range Organics (GRO) concentration reported for 720-11448-5 is due to the presence of discrete peaks.

Method 8260B: The Gasoline Range Organics (GRO) concentration reported for 720-11448-5 is due to the presence of discrete peaks.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method 8015B: Capric acid recovery for the following samples were outside control limits: MW-1 (720-11448-8), MW-7 (720-11448-9). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11448-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11448-1	MW-5				
1,1-Dichloroethane		2.0	0.50	ug/L	8260B
1,1-Dichloroethene		1.5	0.50	ug/L	8260B
cis-1,2-Dichloroethene		1.5	0.50	ug/L	8260B
Methane		0.023	0.010	mg/L	RSK-175
Chloride		130	10	mg/L	300.0
Sulfate		33	10	mg/L	300.0
Alkalinity		650	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		650	8.0	mg/L	SM 2320B
Ferrous Iron		0.38	0.050	mg/L	SM 3500 FE D
<i>Dissolved</i>					
Manganese		1.8	0.0050	mg/L	6010B
720-11448-4	MW-8				
Gasoline Range Organics (GRO)-C5-C12		1200	50	ug/L	8260B
Chloroethane		290	50	ug/L	8260B
1,1-Dichloroethane		1600	25	ug/L	8260B
1,1-Dichloroethene		1600	25	ug/L	8260B
1,1,1-Trichloroethane		1700	25	ug/L	8260B
Methane		3.1	0.010	mg/L	RSK-175
Chloride		200	100	mg/L	300.0
Sulfate		61	10	mg/L	300.0
Alkalinity		750	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		750	8.0	mg/L	SM 2320B
Ferrous Iron		0.31	0.050	mg/L	SM 3500 FE D
<i>Dissolved</i>					
Manganese		0.69	0.0050	mg/L	6010B
720-11448-5	MW-98				
Gasoline Range Organics (GRO)-C5-C12		1300	50	ug/L	8260B
Chloroethane		260	50	ug/L	8260B
1,1-Dichloroethane		1300	25	ug/L	8260B
1,1-Dichloroethene		1400	25	ug/L	8260B
1,1,1-Trichloroethane		1500	25	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		50	50	ug/L	8015B
<i>Dissolved</i>					
Manganese		0.73	0.0050	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11448-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11448-6	MW-2R				
Gasoline Range Organics (GRO)-C5-C12		150	50	ug/L	8260B
Methane		1.6	0.010	mg/L	RSK-175
Chloride		110	10	mg/L	300.0
Sulfate		55	10	mg/L	300.0
Alkalinity		590	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO ₃		590	8.0	mg/L	SM 2320B
Ferrous Iron		3.9	0.25	mg/L	SM 3500 FE D
<i>Dissolved</i>					
Manganese		2.6	0.0050	mg/L	6010B
720-11448-7	MW-9				
Benzene		89	1.0	ug/L	8260B
TBA		15	5.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		1300	50	ug/L	8260B
n-Butylbenzene		6.3	2.0	ug/L	8260B
Ethylbenzene		6.0	1.0	ug/L	8260B
Isopropylbenzene		14	1.0	ug/L	8260B
N-Propylbenzene		14	2.0	ug/L	8260B
Toluene		2.0	1.0	ug/L	8260B
Methane		9.0	0.050	mg/L	RSK-175
Chloride		130	10	mg/L	300.0
Sulfate		9.7	1.0	mg/L	300.0
Alkalinity		720	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO ₃		720	8.0	mg/L	SM 2320B
Ferrous Iron		2.9	0.050	mg/L	SM 3500 FE D
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		120	50	ug/L	8015B
<i>Dissolved</i>					
Manganese		3.9	0.0050	mg/L	6010B
720-11448-8	MW-1				
Chloride		69	10	mg/L	300.0
Sulfate		340	100	mg/L	300.0
Alkalinity		330	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO ₃		330	8.0	mg/L	SM 2320B
Ferrous Iron		1.6	0.050	mg/L	SM 3500 FE D
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		450	50	ug/L	8015B
<i>Dissolved</i>					
Manganese		2.3	0.0050	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11448-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11448-9	MW-7				
Methane		11	0.050	mg/L	RSK-175
Chloride		110	10	mg/L	300.0
Sulfate		1.7	1.0	mg/L	300.0
Alkalinity		710	8.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		710	8.0	mg/L	SM 2320B
Ferrous Iron		2.9	0.25	mg/L	SM 3500 FE D
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		370	50	ug/L	8015B
<i>Dissolved</i>					
Manganese		0.34	0.0050	mg/L	6010B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11448-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Dissolved Gases in Water	TAL SF	RSK RSK-175	
Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection	TAL TAL	STL SOP VFA	
Volatile Fatty Acid Water Prep	TAL TAL		STL SOP VFA
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C SGC
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Sample Filtration	TAL SF		FILTRATION
Acid Digestion of Waters for Total Recoverable or	TAL SF		SW846 3005A
Anions by Ion Chromatography	TAL SF	MCAWW 300.0	
Anions by Ion Chromatography	TAL SF	MCAWW 300.0	
Alkalinity, Titration Method	TAL SF	SM18 SM 2320B	
Ferrous and Ferric Iron	TAL SF	SM18 SM 3500 FE D	

Lab References:

TAL SF = TestAmerica San Francisco

TAL TAL = TestAmerica Tallahassee

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

STL SOP = Severn Trent Laboratories, Standard Operating Procedure

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11448-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11448-1	MW-5	Water	10/25/2007 0800	10/25/2007 1721
720-11448-2TB	TRIP BLANK 1	Water	10/25/2007 0000	10/25/2007 1721
720-11448-3EB	EQUIPMENT BLANK 1	Water	10/25/2007 0800	10/25/2007 1721
720-11448-4	MW-8	Water	10/25/2007 0915	10/25/2007 1721
720-11448-5	MW-98	Water	10/25/2007 0930	10/25/2007 1721
720-11448-6	MW-2R	Water	10/25/2007 1030	10/25/2007 1721
720-11448-7	MW-9	Water	10/25/2007 1145	10/25/2007 1721
720-11448-8	MW-1	Water	10/25/2007 1315	10/25/2007 1721
720-11448-9	MW-7	Water	10/25/2007 1430	10/25/2007 1721

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1
Client Matrix: Water

Date Sampled: 10/25/2007 0800
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28025	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/30/2007 1724		Final Weight/Volume: 40 mL
Date Prepared:	10/30/2007 1724		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	2.0		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	1.5		0.50
cis-1,2-Dichloroethene	1.5		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1
Client Matrix: Water

Date Sampled: 10/25/2007 0800
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28025	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/30/2007 1724		Final Weight/Volume: 40 mL
Date Prepared:	10/30/2007 1724		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	121	83 - 127
1,2-Dichloroethane-d4 (Surr)	115	86 - 129
Toluene-d8 (Surr)	111	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1

Date Sampled: 10/25/2007 0800

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28001

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 10/30/2007 1801

Final Weight/Volume: 10 mL

Date Prepared: 10/30/2007 1801

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		73 - 130
Toluene-d8 (Surr)	98		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: TRIP BLANK 1

Lab Sample ID: 720-11448-2TB
 Client Matrix: Water

Date Sampled: 10/25/2007 0000
 Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28061	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1337		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1337		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: TRIP BLANK 1

Lab Sample ID: 720-11448-2TB
 Client Matrix: Water

Date Sampled: 10/25/2007 0000
 Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28061	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1337		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1337		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	125	83 - 127
1,2-Dichloroethane-d4 (Surr)	111	86 - 129
Toluene-d8 (Surr)	120	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: TRIP BLANK 1

Lab Sample ID: 720-11448-2TB
Client Matrix: Water

Date Sampled: 10/25/2007 0000
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28001 Instrument ID: Saturn 2100
Preparation: 5030B Lab File ID: c:\saturnws\data\200710\10
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 10/30/2007 1054 Final Weight/Volume: 10 mL
Date Prepared: 10/30/2007 1054

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		73 - 130
Toluene-d8 (Surr)	102		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: EQUIPMENT BLANK 1

Lab Sample ID: 720-11448-3EB
 Client Matrix: Water

Date Sampled: 10/25/2007 0800
 Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28025	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/30/2007 1757		Final Weight/Volume: 40 mL
Date Prepared:	10/30/2007 1757		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: EQUIPMENT BLANK 1

Lab Sample ID: 720-11448-3EB
 Client Matrix: Water

Date Sampled: 10/25/2007 0800
 Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28025	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/30/2007 1757		Final Weight/Volume: 40 mL
Date Prepared:	10/30/2007 1757		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	123	83 - 127
1,2-Dichloroethane-d4 (Surr)	112	86 - 129
Toluene-d8 (Surr)	115	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4
Client Matrix: Water

Date Sampled: 10/25/2007 0915
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	50		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1841		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1841		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		250
Acetone	ND		2500
Benzene	ND		25
Dichlorobromomethane	ND		25
Bromobenzene	ND		50
Chlorobromomethane	ND		50
Bromoform	ND		50
Bromomethane	ND		50
2-Butanone (MEK)	ND		2500
n-Butylbenzene	ND		50
sec-Butylbenzene	ND		50
tert-Butylbenzene	ND		50
Carbon disulfide	ND		250
Carbon tetrachloride	ND		25
Chlorobenzene	ND		25
Chloroethane	290		50
Chloroform	ND		50
Chloromethane	ND		50
2-Chlorotoluene	ND		25
4-Chlorotoluene	ND		25
Chlorodibromomethane	ND		25
1,2-Dichlorobenzene	ND		25
1,3-Dichlorobenzene	ND		25
1,4-Dichlorobenzene	ND		25
1,3-Dichloropropane	ND		50
1,1-Dichloropropene	ND		25
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		25
Dibromomethane	ND		25
Dichlorodifluoromethane	ND		25
1,1-Dichloroethane	1600		25
1,2-Dichloroethane	ND		25
1,1-Dichloroethene	1600		25
cis-1,2-Dichloroethene	ND		25
trans-1,2-Dichloroethene	ND		25
1,2-Dichloropropane	ND		25
cis-1,3-Dichloropropene	ND		25
trans-1,3-Dichloropropene	ND		25
Ethylbenzene	ND		25
Hexachlorobutadiene	ND		50
2-Hexanone	ND		2500
Isopropylbenzene	ND		25
4-Isopropyltoluene	ND		50
Methylene Chloride	ND		250

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4
Client Matrix: Water

Date Sampled: 10/25/2007 0915
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	50		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1841		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1841		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		2500
Naphthalene	ND		50
N-Propylbenzene	ND		50
Styrene	ND		25
1,1,1,2-Tetrachloroethane	ND		25
1,1,2,2-Tetrachloroethane	ND		25
Tetrachloroethene	ND		25
Toluene	ND		25
1,2,3-Trichlorobenzene	ND		50
1,2,4-Trichlorobenzene	ND		50
1,1,1-Trichloroethane	1700		25
1,1,2-Trichloroethane	ND		25
Trichloroethene	ND		25
Trichlorofluoromethane	ND		50
1,2,3-Trichloropropane	ND		25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25
1,2,4-Trimethylbenzene	ND		25
1,3,5-Trimethylbenzene	ND		25
Vinyl acetate	ND		2500
Vinyl chloride	ND		25
Xylenes, Total	ND		50
2,2-Dichloropropane	ND		25

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	83 - 127
1,2-Dichloroethane-d4 (Surr)	101	86 - 129
Toluene-d8 (Surr)	103	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4

Date Sampled: 10/25/2007 0915

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28057

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 10/31/2007 1503

Final Weight/Volume: 10 mL

Date Prepared: 10/31/2007 1503

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	1200		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		73 - 130
Toluene-d8 (Surr)	99		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-98

Lab Sample ID: 720-11448-5
Client Matrix: Water

Date Sampled: 10/25/2007 0930
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	50		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1914		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1914		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		250
Acetone	ND		2500
Benzene	ND		25
Dichlorobromomethane	ND		25
Bromobenzene	ND		50
Chlorobromomethane	ND		50
Bromoform	ND		50
Bromomethane	ND		50
2-Butanone (MEK)	ND		2500
n-Butylbenzene	ND		50
sec-Butylbenzene	ND		50
tert-Butylbenzene	ND		50
Carbon disulfide	ND		250
Carbon tetrachloride	ND		25
Chlorobenzene	ND		25
Chloroethane	260		50
Chloroform	ND		50
Chloromethane	ND		50
2-Chlorotoluene	ND		25
4-Chlorotoluene	ND		25
Chlorodibromomethane	ND		25
1,2-Dichlorobenzene	ND		25
1,3-Dichlorobenzene	ND		25
1,4-Dichlorobenzene	ND		25
1,3-Dichloropropane	ND		50
1,1-Dichloropropene	ND		25
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		25
Dibromomethane	ND		25
Dichlorodifluoromethane	ND		25
1,1-Dichloroethane	1300		25
1,2-Dichloroethane	ND		25
1,1-Dichloroethene	1400		25
cis-1,2-Dichloroethene	ND		25
trans-1,2-Dichloroethene	ND		25
1,2-Dichloropropane	ND		25
cis-1,3-Dichloropropene	ND		25
trans-1,3-Dichloropropene	ND		25
Ethylbenzene	ND		25
Hexachlorobutadiene	ND		50
2-Hexanone	ND		2500
Isopropylbenzene	ND		25
4-Isopropyltoluene	ND		50
Methylene Chloride	ND		250

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-98

Lab Sample ID: 720-11448-5
Client Matrix: Water

Date Sampled: 10/25/2007 0930
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	50		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1914		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1914		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		2500
Naphthalene	ND		50
N-Propylbenzene	ND		50
Styrene	ND		25
1,1,1,2-Tetrachloroethane	ND		25
1,1,2,2-Tetrachloroethane	ND		25
Tetrachloroethene	ND		25
Toluene	ND		25
1,2,3-Trichlorobenzene	ND		50
1,2,4-Trichlorobenzene	ND		50
1,1,1-Trichloroethane	1500		25
1,1,2-Trichloroethane	ND		25
Trichloroethene	ND		25
Trichlorofluoromethane	ND		50
1,2,3-Trichloropropane	ND		25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25
1,2,4-Trimethylbenzene	ND		25
1,3,5-Trimethylbenzene	ND		25
Vinyl acetate	ND		2500
Vinyl chloride	ND		25
Xylenes, Total	ND		50
2,2-Dichloropropane	ND		25

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	106	83 - 127
1,2-Dichloroethane-d4 (Surr)	106	86 - 129
Toluene-d8 (Surr)	105	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-98

Lab Sample ID: 720-11448-5

Date Sampled: 10/25/2007 0930

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28057

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 10/31/2007 1529

Final Weight/Volume: 10 mL

Date Prepared: 10/31/2007 1529

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	1300		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		73 - 130
Toluene-d8 (Surr)	97		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6
Client Matrix: Water

Date Sampled: 10/25/2007 1030
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1700		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1700		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6
Client Matrix: Water

Date Sampled: 10/25/2007 1030
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1700		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1700		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	103		83 - 127
1,2-Dichloroethane-d4 (Surr)	102		86 - 129
Toluene-d8 (Surr)	101		82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6

Date Sampled: 10/25/2007 1030

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28057

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 10/31/2007 1556

Final Weight/Volume: 10 mL

Date Prepared: 10/31/2007 1556

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	150		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		73 - 130
Toluene-d8 (Surr)	97		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7
Client Matrix: Water

Date Sampled: 10/25/2007 1145
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28109	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	2.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/01/2007 1404		Final Weight/Volume: 40 mL
Date Prepared:	11/01/2007 1404		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		10
Acetone	ND		100
Benzene	89		1.0
Dichlorobromomethane	ND		1.0
Bromobenzene	ND		2.0
Chlorobromomethane	ND		2.0
Bromoform	ND		2.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		100
n-Butylbenzene	6.3		2.0
sec-Butylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		2.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		2.0
1,1-Dichloropropene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		2.0
Ethylene Dibromide	ND		1.0
Dibromomethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	6.0		1.0
Hexachlorobutadiene	ND		2.0
2-Hexanone	ND		100
Isopropylbenzene	14		1.0
4-Isopropyltoluene	ND		2.0
Methylene Chloride	ND		10

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7

Date Sampled: 10/25/2007 1145

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28109 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 2.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/01/2007 1404 Final Weight/Volume: 40 mL
Date Prepared: 11/01/2007 1404

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		100
Naphthalene	ND		2.0
N-Propylbenzene	14		2.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Tetrachloroethene	ND		1.0
Toluene	2.0		1.0
1,2,3-Trichlorobenzene	ND		2.0
1,2,4-Trichlorobenzene	ND		2.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		2.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl acetate	ND		100
Vinyl chloride	ND		1.0
Xylenes, Total	ND		2.0
2,2-Dichloropropane	ND		1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	83 - 127
1,2-Dichloroethane-d4 (Surr)	98	86 - 129
Toluene-d8 (Surr)	102	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7

Date Sampled: 10/25/2007 1145

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28057

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 10/31/2007 2022

Final Weight/Volume: 10 mL

Date Prepared: 10/31/2007 2022

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	15		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	1300		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		73 - 130
Toluene-d8 (Surr)	100		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8
Client Matrix: Water

Date Sampled: 10/25/2007 1315
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	10/31/2007 1948		Final Weight/Volume: 40 mL
Date Prepared:	10/31/2007 1948		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8
Client Matrix: Water

Date Sampled: 10/25/2007 1315
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B	Analysis Batch: 720-28078	Instrument ID: Varian 3900G
Preparation: 5030B		Lab File ID: c:\saturnws\data\200710\10
Dilution: 1.0		Initial Weight/Volume: 40 mL
Date Analyzed: 10/31/2007 1948		Final Weight/Volume: 40 mL
Date Prepared: 10/31/2007 1948		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	83 - 127
1,2-Dichloroethane-d4 (Surr)	103	86 - 129
Toluene-d8 (Surr)	104	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8

Date Sampled: 10/25/2007 1315

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28057

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200710\10

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 10/31/2007 1649

Final Weight/Volume: 10 mL

Date Prepared: 10/31/2007 1649

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		73 - 130
Toluene-d8 (Surr)	97		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9
Client Matrix: Water

Date Sampled: 10/25/2007 1430
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28109	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/01/2007 1330		Final Weight/Volume: 40 mL
Date Prepared:	11/01/2007 1330		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9
Client Matrix: Water

Date Sampled: 10/25/2007 1430
Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B	Analysis Batch: 720-28109	Instrument ID: Varian 3900G
Preparation: 5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0		Initial Weight/Volume: 40 mL
Date Analyzed: 11/01/2007 1330		Final Weight/Volume: 40 mL
Date Prepared: 11/01/2007 1330		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	83 - 127
1,2-Dichloroethane-d4 (Surr)	104	86 - 129
Toluene-d8 (Surr)	101	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9

Date Sampled: 10/25/2007 1430

Client Matrix: Water

Date Received: 10/25/2007 1721

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28107

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/01/2007 1210

Final Weight/Volume: 10 mL

Date Prepared: 11/01/2007 1210

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		73 - 130
Toluene-d8 (Surr)	96		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1

Date Sampled: 10/25/2007 0800

Client Matrix: Water

Date Received: 10/25/2007 1721

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	0.023		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4

Date Sampled: 10/25/2007 0915

Client Matrix: Water

Date Received: 10/25/2007 1721

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	3.1		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6

Date Sampled: 10/25/2007 1030

Client Matrix: Water

Date Received: 10/25/2007 1721

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	1.6		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7

Date Sampled: 10/25/2007 1145

Client Matrix: Water

Date Received: 10/25/2007 1721

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 5.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	9.0		0.050
Ethane	ND		0.10
Ethylene	ND		0.10

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8

Date Sampled: 10/25/2007 1315

Client Matrix: Water

Date Received: 10/25/2007 1721

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	ND		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9

Date Sampled: 10/25/2007 1430

Client Matrix: Water

Date Received: 10/25/2007 1721

RSK-175 Dissolved Gases in Water

Method: RSK-175

Analysis Batch: 720-27961

Instrument ID: Varian 3800 GC

Preparation: N/A

Lab File ID: N/A

Dilution: 5.0

Initial Weight/Volume:

Date Analyzed: 10/29/2007 0800

Final Weight/Volume:

Date Prepared: N/A

Injection Volume:

Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Methane	11		0.050
Ethane	ND		0.10
Ethylene	ND		0.10

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1

Date Sampled: 10/25/2007 0800

Client Matrix: Water

Date Received: 10/25/2007 1721

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I38.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/30/2007 0735		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	101	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4

Date Sampled: 10/25/2007 0915

Client Matrix: Water

Date Received: 10/25/2007 1721

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I39.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/30/2007 0758		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	100	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6

Date Sampled: 10/25/2007 1030

Client Matrix: Water

Date Received: 10/25/2007 1721

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I40.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/30/2007 0822		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	102	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7

Date Sampled: 10/25/2007 1145

Client Matrix: Water

Date Received: 10/25/2007 1721

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I41.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/30/2007 0845		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	102	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8

Date Sampled: 10/25/2007 1315

Client Matrix: Water

Date Received: 10/25/2007 1721

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I42.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/30/2007 0909		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	101	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9

Date Sampled: 10/25/2007 1430

Client Matrix: Water

Date Received: 10/25/2007 1721

VFA Volatile Fatty Acids by Gas Chromatography, Direct Aqueous Injection

Method:	VFA	Analysis Batch: 640-38016	Instrument ID: SGI Varian 3400
Preparation:	VFA	Prep Batch: 640-38032	Lab File ID: 1J29I46.d
Dilution:	1.0		Initial Weight/Volume: 1.5 mL
Date Analyzed:	10/30/2007 1043		Final Weight/Volume: 1.5 mL
Date Prepared:	10/29/2007 1415		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10

Surrogate	%Rec	Acceptance Limits
Trimethylacetic Acid	101	30 - 150

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1

Date Sampled: 10/25/2007 0800

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28046	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27896	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/26/2007 1607		Final Weight/Volume: 1 mL
Date Prepared:	10/26/2007 0833		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	89		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4

Date Sampled: 10/25/2007 0915

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28041	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27943	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/30/2007 1139		Final Weight/Volume: 1 mL
Date Prepared:	10/29/2007 1147		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	85		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-98

Lab Sample ID: 720-11448-5

Date Sampled: 10/25/2007 0930

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28046	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27896	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/26/2007 1700		Final Weight/Volume: 1 mL
Date Prepared:	10/26/2007 0833		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	50		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	4		0 - 5
p-Terphenyl	82		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6

Date Sampled: 10/25/2007 1030

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28041	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27943	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/30/2007 1206		Final Weight/Volume: 1 mL
Date Prepared:	10/29/2007 1147		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	79		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7

Date Sampled: 10/25/2007 1145

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28046	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27896	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/26/2007 1754		Final Weight/Volume: 1 mL
Date Prepared:	10/26/2007 0833		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	120		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	5	0 - 5
p-Terphenyl	85	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8

Date Sampled: 10/25/2007 1315

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28046	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27896	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/26/2007 1821		Final Weight/Volume: 1 mL
Date Prepared:	10/26/2007 0833		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	450		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	26	X	0 - 5
p-Terphenyl	57		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9

Date Sampled: 10/25/2007 1430

Client Matrix: Water

Date Received: 10/25/2007 1721

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28046	Instrument ID: HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-27896	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	10/26/2007 1847		Final Weight/Volume: 1 mL
Date Prepared:	10/26/2007 0833		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	370		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	21	X	0 - 5
p-Terphenyl	63		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1

Date Sampled: 10/25/2007 0800

Client Matrix: Water

Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method: 6010B

Analysis Batch: 720-27984

Instrument ID: Varian ICP

Preparation: 3005A

Prep Batch: 720-27985

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 10/30/2007 2026

Final Weight/Volume: 42.8 mL

Date Prepared: 10/30/2007 1112

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	1.8		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4
Client Matrix: Water

Date Sampled: 10/25/2007 0915
Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27984	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27985	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/30/2007 2030		Final Weight/Volume:	42.8 mL
Date Prepared:	10/30/2007 1112			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	0.69		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-98

Lab Sample ID: 720-11448-5
Client Matrix: Water

Date Sampled: 10/25/2007 0930
Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27984	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27985	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/30/2007 2033		Final Weight/Volume:	42.8 mL
Date Prepared:	10/30/2007 1112			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	0.73		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6
Client Matrix: Water

Date Sampled: 10/25/2007 1030
Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27984	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27985	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/30/2007 2037		Final Weight/Volume:	42.8 mL
Date Prepared:	10/30/2007 1112			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	2.6		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7
Client Matrix: Water

Date Sampled: 10/25/2007 1145
Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27984	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27985	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/30/2007 2041		Final Weight/Volume:	42.8 mL
Date Prepared:	10/30/2007 1112			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	3.9		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8
Client Matrix: Water

Date Sampled: 10/25/2007 1315
Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27984	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27985	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/30/2007 2044		Final Weight/Volume:	42.8 mL
Date Prepared:	10/30/2007 1112			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	2.3		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9
Client Matrix: Water

Date Sampled: 10/25/2007 1430
Date Received: 10/25/2007 1721

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-27984	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-27985	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	10/30/2007 2048		Final Weight/Volume:	42.8 mL
Date Prepared:	10/30/2007 1112			

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050
Manganese	0.34		0.0050

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

General Chemistry

Client Sample ID: MW-5

Lab Sample ID: 720-11448-1

Date Sampled: 10/25/2007 0800

Client Matrix: Water

Date Received: 10/25/2007 1721

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	130		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	2015		
Sulfate	33		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	2015		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27910	Date Analyzed	10/25/2007	1852		
Ferrous Iron	0.38		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/25/2007	1850		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	650		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Bicarbonate Alkalinity as CaCO3	650		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

General Chemistry

Client Sample ID: MW-8

Lab Sample ID: 720-11448-4

Date Sampled: 10/25/2007 0915

Client Matrix: Water

Date Received: 10/25/2007 1721

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	61		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	2030		
Chloride	200		mg/L	100	100	300.0
	Anly Batch: 720-28121	Date Analyzed	11/01/2007	1352		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27910	Date Analyzed	10/25/2007	1908		
Ferrous Iron	0.31		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/25/2007	1850		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	750		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Bicarbonate Alkalinity as CaCO3	750		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

General Chemistry

Client Sample ID: MW-2R

Lab Sample ID: 720-11448-6
 Client Matrix: Water

Date Sampled: 10/25/2007 1030
 Date Received: 10/25/2007 1721

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	110		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	2133		
Sulfate	55		mg/L	10	10	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	2133		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27910	Date Analyzed	10/25/2007	1923		
Ferrous Iron	3.9		mg/L	0.25	5.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/25/2007	1850		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	590		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Bicarbonate Alkalinity as CaCO3	590		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

General Chemistry

Client Sample ID: MW-9

Lab Sample ID: 720-11448-7

Date Sampled: 10/25/2007 1145

Client Matrix: Water

Date Received: 10/25/2007 1721

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	9.7		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27911	Date Analyzed	10/25/2007	1939		
Chloride	130		mg/L	10	10	300.0
	Anly Batch: 720-28121	Date Analyzed	11/01/2007	1745		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27910	Date Analyzed	10/25/2007	1939		
Ferrous Iron	2.9		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/25/2007	1850		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	720		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Bicarbonate Alkalinity as CaCO3	720		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

General Chemistry

Client Sample ID: MW-1

Lab Sample ID: 720-11448-8

Date Sampled: 10/25/2007 1315

Client Matrix: Water

Date Received: 10/25/2007 1721

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	69		mg/L	10	10	300.0
	Anly Batch: 720-28121	Date Analyzed	11/01/2007	1407		
Sulfate	340		mg/L	100	100	300.0
	Anly Batch: 720-28003	Date Analyzed	10/29/2007	2148		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27910	Date Analyzed	10/25/2007	1954		
Ferrous Iron	1.6		mg/L	0.050	1.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/25/2007	1850		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	330		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Bicarbonate Alkalinity as CaCO3	330		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		

Analytical Data

Client: The Source Group

Job Number: 720-11448-1

General Chemistry

Client Sample ID: MW-7

Lab Sample ID: 720-11448-9

Date Sampled: 10/25/2007 1430

Client Matrix: Water

Date Received: 10/25/2007 1721

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	1.7		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27911	Date Analyzed	10/25/2007	2010		
Chloride	110		mg/L	10	10	300.0
	Anly Batch: 720-28121	Date Analyzed	11/01/2007	1423		
Nitrate ion	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-27910	Date Analyzed	10/25/2007	2010		
Ferrous Iron	2.9		mg/L	0.25	5.0	SM 3500 FE D
	Anly Batch: 720-28058	Date Analyzed	10/25/2007	1850		

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	710		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Bicarbonate Alkalinity as CaCO3	710		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Carbonate Alkalinity as CaCO3	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		
Hydroxide Alkalinity	ND		mg/L	8.0	1.0	SM 2320B
	Anly Batch: 720-28039	Date Analyzed	10/26/2007	1400		

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11448-1

Lab Section	Qualifier	Description
GC Semi VOA	X	Surrogate exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28001					
LCS 720-28001/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28001/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28001/3	Method Blank	T	Water	8260B	
720-11448-1	MW-5	T	Water	8260B	
720-11448-2TB	TRIP BLANK 1	T	Water	8260B	
720-11448-3EB	EQUIPMENT BLANK 1	T	Water	8260B	
Analysis Batch:720-28025					
LCS 720-28025/2	Lab Control Spike	T	Water	8260B	
MB 720-28025/4	Method Blank	T	Water	8260B	
720-11448-1	MW-5	T	Water	8260B	
720-11448-3EB	EQUIPMENT BLANK 1	T	Water	8260B	
Analysis Batch:720-28057					
LCS 720-28057/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28057/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28057/3	Method Blank	T	Water	8260B	
720-11448-4	MW-8	T	Water	8260B	
720-11448-5	MW-98	T	Water	8260B	
720-11448-6	MW-2R	T	Water	8260B	
720-11448-7	MW-9	T	Water	8260B	
720-11448-8	MW-1	T	Water	8260B	
Analysis Batch:720-28061					
LCS 720-28061/1	Lab Control Spike	T	Water	8260B	
LCSD 720-28061/8	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28061/2	Method Blank	T	Water	8260B	
720-11448-2TB	TRIP BLANK 1	T	Water	8260B	
Analysis Batch:720-28078					
LCS 720-28078/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28078/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28078/3	Method Blank	T	Water	8260B	
720-11448-4	MW-8	T	Water	8260B	
720-11448-5	MW-98	T	Water	8260B	
720-11448-6	MW-2R	T	Water	8260B	
720-11448-8	MW-1	T	Water	8260B	
Analysis Batch:720-28107					
LCS 720-28107/14	Lab Control Spike	T	Water	8260B	
LCSD 720-28107/13	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28107/1	Method Blank	T	Water	8260B	
720-11448-9	MW-7	T	Water	8260B	

TestAmerica San Francisco

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28109					
LCS 720-28109/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28109/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28109/3	Method Blank	T	Water	8260B	
720-11448-7	MW-9	T	Water	8260B	
720-11448-9	MW-7	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:720-27961					
LCS 720-27961/1	Lab Control Spike	T	Water	RSK-175	
LCSD 720-27961/2	Lab Control Spike Duplicate	T	Water	RSK-175	
MB 720-27961/3	Method Blank	T	Water	RSK-175	
720-11448-1	MW-5	T	Water	RSK-175	
720-11448-4	MW-8	T	Water	RSK-175	
720-11448-6	MW-2R	T	Water	RSK-175	
720-11448-7	MW-9	T	Water	RSK-175	
720-11448-8	MW-1	T	Water	RSK-175	
720-11448-9	MW-7	T	Water	RSK-175	
Analysis Batch:640-38016					
LCS 640-38032/2-A	Lab Control Spike	T	Water	VFA	640-38032
LCSD 640-38032/3-A	Lab Control Spike Duplicate	T	Water	VFA	640-38032
MB 640-38032/1-A	Method Blank	T	Water	VFA	640-38032
720-11448-1	MW-5	T	Water	VFA	640-38032
720-11448-4	MW-8	T	Water	VFA	640-38032
720-11448-6	MW-2R	T	Water	VFA	640-38032
720-11448-7	MW-9	T	Water	VFA	640-38032
720-11448-8	MW-1	T	Water	VFA	640-38032
720-11448-9	MW-7	T	Water	VFA	640-38032
Prep Batch: 640-38032					
LCS 640-38032/2-A	Lab Control Spike	T	Water	VFA	
LCSD 640-38032/3-A	Lab Control Spike Duplicate	T	Water	VFA	
MB 640-38032/1-A	Method Blank	T	Water	VFA	
720-11448-1	MW-5	T	Water	VFA	
720-11448-4	MW-8	T	Water	VFA	
720-11448-6	MW-2R	T	Water	VFA	
720-11448-7	MW-9	T	Water	VFA	
720-11448-8	MW-1	T	Water	VFA	
720-11448-9	MW-7	T	Water	VFA	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-27896					
LCS 720-27896/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-27896/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-27896/1-A	Method Blank	A	Water	3510C SGC	
720-11448-1	MW-5	A	Water	3510C SGC	
720-11448-5	MW-98	A	Water	3510C SGC	
720-11448-7	MW-9	A	Water	3510C SGC	
720-11448-8	MW-1	A	Water	3510C SGC	
720-11448-9	MW-7	A	Water	3510C SGC	
Prep Batch: 720-27943					
LCS 720-27943/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-27943/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-27943/1-A	Method Blank	A	Water	3510C SGC	
720-11448-4	MW-8	A	Water	3510C SGC	
720-11448-6	MW-2R	A	Water	3510C SGC	
Analysis Batch:720-28041					
LCS 720-27943/2-A	Lab Control Spike	A	Water	8015B	720-27943
LCSD 720-27943/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-27943
MB 720-27943/1-A	Method Blank	A	Water	8015B	720-27943
720-11448-4	MW-8	A	Water	8015B	720-27943
720-11448-6	MW-2R	A	Water	8015B	720-27943
Analysis Batch:720-28046					
LCS 720-27896/2-A	Lab Control Spike	A	Water	8015B	720-27896
LCSD 720-27896/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-27896
MB 720-27896/1-A	Method Blank	A	Water	8015B	720-27896
720-11448-1	MW-5	A	Water	8015B	720-27896
720-11448-5	MW-98	A	Water	8015B	720-27896
720-11448-7	MW-9	A	Water	8015B	720-27896
720-11448-8	MW-1	A	Water	8015B	720-27896
720-11448-9	MW-7	A	Water	8015B	720-27896

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch: 720-27984					
LCS 720-27985/2-A	Lab Control Spike	R	Water	6010B	720-27985
LCSD 720-27985/3-A	Lab Control Spike Duplicate	R	Water	6010B	720-27985
MB 720-27985/1-A	Method Blank	R	Water	6010B	720-27985
720-11448-1	MW-5	D	Water	6010B	720-27985
720-11448-4	MW-8	D	Water	6010B	720-27985
720-11448-5	MW-98	D	Water	6010B	720-27985
720-11448-6	MW-2R	D	Water	6010B	720-27985
720-11448-7	MW-9	D	Water	6010B	720-27985
720-11448-8	MW-1	D	Water	6010B	720-27985
720-11448-9	MW-7	D	Water	6010B	720-27985
Prep Batch: 720-27985					
LCS 720-27985/2-A	Lab Control Spike	R	Water	3005A	
LCSD 720-27985/3-A	Lab Control Spike Duplicate	R	Water	3005A	
MB 720-27985/1-A	Method Blank	R	Water	3005A	
720-11448-1	MW-5	D	Water	3005A	
720-11448-4	MW-8	D	Water	3005A	
720-11448-5	MW-98	D	Water	3005A	
720-11448-6	MW-2R	D	Water	3005A	
720-11448-7	MW-9	D	Water	3005A	
720-11448-8	MW-1	D	Water	3005A	
720-11448-9	MW-7	D	Water	3005A	

Report Basis

D = Dissolved

R = Total Recoverable

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-27910					
LCS 720-27910/16	Lab Control Spike	T	Water	300.0	
LCSD 720-27910/17	Lab Control Spike Duplicate	T	Water	300.0	
MB 720-27910/15	Method Blank	T	Water	300.0	
720-11448-1	MW-5	T	Water	300.0	
720-11448-4	MW-8	T	Water	300.0	
720-11448-6	MW-2R	T	Water	300.0	
720-11448-7	MW-9	T	Water	300.0	
720-11448-8	MW-1	T	Water	300.0	
720-11448-9	MW-7	T	Water	300.0	
Analysis Batch:720-27911					
LCS 720-27911/11	Lab Control Spike	T	Water	300.0	
LCSD 720-27911/12	Lab Control Spike Duplicate	T	Water	300.0	
MB 720-27911/10	Method Blank	T	Water	300.0	
720-11448-7	MW-9	T	Water	300.0	
720-11448-9	MW-7	T	Water	300.0	
Analysis Batch:720-28003					
LCS 720-28003/3	Lab Control Spike	T	Water	300.0	
LCSD 720-28003/4	Lab Control Spike Duplicate	T	Water	300.0	
MB 720-28003/2	Method Blank	T	Water	300.0	
720-11448-1	MW-5	T	Water	300.0	
720-11448-4	MW-8	T	Water	300.0	
720-11448-6	MW-2R	T	Water	300.0	
720-11448-8	MW-1	T	Water	300.0	
Analysis Batch:720-28039					
LCS 720-28039/2	Lab Control Spike	T	Water	SM 2320B	
LCSD 720-28039/3	Lab Control Spike Duplicate	T	Water	SM 2320B	
MB 720-28039/1	Method Blank	T	Water	SM 2320B	
720-11448-1	MW-5	T	Water	SM 2320B	
720-11448-4	MW-8	T	Water	SM 2320B	
720-11448-6	MW-2R	T	Water	SM 2320B	
720-11448-7	MW-9	T	Water	SM 2320B	
720-11448-8	MW-1	T	Water	SM 2320B	
720-11448-9	MW-7	T	Water	SM 2320B	

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-28058					
LCS 720-28058/2	Lab Control Spike	T	Water	SM 3500 FE D	
LCSD 720-28058/3	Lab Control Spike Duplicate	T	Water	SM 3500 FE D	
MB 720-28058/1	Method Blank	T	Water	SM 3500 FE D	
720-11448-1	MW-5	T	Water	SM 3500 FE D	
720-11448-4	MW-8	T	Water	SM 3500 FE D	
720-11448-6	MW-2R	T	Water	SM 3500 FE D	
720-11448-7	MW-9	T	Water	SM 3500 FE D	
720-11448-8	MW-1	T	Water	SM 3500 FE D	
720-11448-9	MW-7	T	Water	SM 3500 FE D	
Analysis Batch:720-28121					
LCS 720-28121/3	Lab Control Spike	T	Water	300.0	
LCSD 720-28121/4	Lab Control Spike Duplicate	T	Water	300.0	
MB 720-28121/2	Method Blank	T	Water	300.0	
720-11448-4	MW-8	T	Water	300.0	
720-11448-7	MW-9	T	Water	300.0	
720-11448-8	MW-1	T	Water	300.0	
720-11448-9	MW-7	T	Water	300.0	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28001

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28001/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/30/2007 1021
Date Prepared: 10/30/2007 1021

Analysis Batch: 720-28001
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	99	73 - 130	
Toluene-d8 (Surr)	101	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28001**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28001/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/30/2007 0928
Date Prepared: 10/30/2007 0928

Analysis Batch: 720-28001
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200710\103
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28001/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/30/2007 0954
Date Prepared: 10/30/2007 0954

Analysis Batch: 720-28001
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200710\103
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	102	69 - 129	1	20		
Toluene	101	102	70 - 130	0	20		
MTBE	102	112	65 - 165	9	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	89		89		73 - 130		
Toluene-d8 (Surr)	99		99		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28025

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28025/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/30/2007 1213
Date Prepared: 10/30/2007 1213

Analysis Batch: 720-28025
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28025

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28025/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1213
 Date Prepared: 10/30/2007 1213

Analysis Batch: 720-28025
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Varian 3900F
 Lab File ID: c:\saturnws\data\200710\10
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	127	83 - 127	
1,2-Dichloroethane-d4 (Surr)	111	86 - 129	
Toluene-d8 (Surr)	114	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Lab Control Spike - Batch: 720-28025

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 720-28025/2

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 10/30/2007 1140

Date Prepared: 10/30/2007 1140

Analysis Batch: 720-28025

Prep Batch: N/A

Units: ug/L

Instrument ID: Varian 3900F

Lab File ID: c:\saturnws\data\200710\10

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	20.4	102	69 - 129	
Chlorobenzene	20.0	23.0	115	61 - 121	
1,1-Dichloroethene	20.0	20.4	102	65 - 125	
Toluene	20.0	20.4	102	70 - 130	
Trichloroethene	20.0	19.1	95	74 - 134	
Surrogate			% Rec	Acceptance Limits	
4-Bromofluorobenzene			123	83 - 127	
1,2-Dichloroethane-d4 (Surr)			104	86 - 129	
Toluene-d8 (Surr)			113	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28057

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28057/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1151
Date Prepared: 10/31/2007 1151

Analysis Batch: 720-28057
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	99	73 - 130	
Toluene-d8 (Surr)	95	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28057**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28057/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1058
Date Prepared: 10/31/2007 1058

Analysis Batch: 720-28057
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28057/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1124
Date Prepared: 10/31/2007 1124

Analysis Batch: 720-28057
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	100	97	69 - 129	3	20		
Toluene	98	96	70 - 130	2	20		
MTBE	107	95	65 - 165	11	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	89		90		73 - 130		
Toluene-d8 (Surr)	96		95		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28061

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28061/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1123
Date Prepared: 10/31/2007 1123

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200710\1C
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28061

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28061/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1123
Date Prepared: 10/31/2007 1123

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	101	83 - 127	
1,2-Dichloroethane-d4 (Surr)	93	86 - 129	
Toluene-d8 (Surr)	85	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28061**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28061/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1017
Date Prepared: 10/31/2007 1017

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28061/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1050
Date Prepared: 10/31/2007 1050

Analysis Batch: 720-28061
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	93	69 - 129	9	20		
Chlorobenzene	98	103	61 - 121	5	20		
1,1-Dichloroethene	90	93	65 - 125	4	20		
Toluene	87	94	70 - 130	8	20		
Trichloroethene	80	91	74 - 134	13	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	110		110		83 - 127		
1,2-Dichloroethane-d4 (Surr)	93		99		86 - 129		
Toluene-d8 (Surr)	99		103		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28078

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28078/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1159
Date Prepared: 10/31/2007 1159

Analysis Batch: 720-28078
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28078

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28078/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1159
Date Prepared: 10/31/2007 1159

Analysis Batch: 720-28078
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200710\10
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	101	83 - 127	
1,2-Dichloroethane-d4 (Surr)	99	86 - 129	
Toluene-d8 (Surr)	99	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28078**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28078/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1053
Date Prepared: 10/31/2007 1053

Analysis Batch: 720-28078
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28078/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2007 1126
Date Prepared: 10/31/2007 1126

Analysis Batch: 720-28078
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200710\103
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	76	83	69 - 129	9	20		
Chlorobenzene	90	97	61 - 121	7	20		
1,1-Dichloroethene	82	92	65 - 125	11	20		
Toluene	84	92	70 - 130	9	20		
Trichloroethene	77	86	74 - 134	12	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	95		101		83 - 127		
1,2-Dichloroethane-d4 (Surr)	91		95		86 - 129		
Toluene-d8 (Surr)	93		100		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28107

Lab Sample ID: MB 720-28107/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1039
Date Prepared: 11/01/2007 1039

Analysis Batch: 720-28107
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	97	73 - 130	
Toluene-d8 (Surr)	96	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28107**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28107/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 0946
Date Prepared: 11/01/2007 0946

Analysis Batch: 720-28107
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200711\110
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28107/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1013
Date Prepared: 11/01/2007 1013

Analysis Batch: 720-28107
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200711\110
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	96	93	69 - 129	4	20		
Toluene	94	93	70 - 130	1	20		
MTBE	100	100	65 - 165	0	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	90		87		73 - 130		
Toluene-d8 (Surr)	96		95		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28109

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28109/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1116
Date Prepared: 11/01/2007 1116

Analysis Batch: 720-28109
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\1116
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28109

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28109/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1116
Date Prepared: 11/01/2007 1116

Analysis Batch: 720-28109
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\1116
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	102	83 - 127	
1,2-Dichloroethane-d4 (Surr)	101	86 - 129	
Toluene-d8 (Surr)	103	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28109**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28109/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1010
Date Prepared: 11/01/2007 1010

Analysis Batch: 720-28109
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28109/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1043
Date Prepared: 11/01/2007 1043

Analysis Batch: 720-28109
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	83	84	69 - 129	1	20		
Chlorobenzene	99	101	61 - 121	2	20		
1,1-Dichloroethene	93	99	65 - 125	7	20		
Toluene	93	94	70 - 130	2	20		
Trichloroethene	86	87	74 - 134	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		98		83 - 127		
1,2-Dichloroethane-d4 (Surr)	97		101		86 - 129		
Toluene-d8 (Surr)	99		99		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-27961

Method: RSK-175
Preparation: N/A

Lab Sample ID: MB 720-27961/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A
Units: mg/L

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	Result	Qual	RL
Methane	ND		0.010
Ethane	ND		0.020
Ethylene	ND		0.020

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-27961**

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID: LCS 720-27961/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A
Units: mg/L

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

LCSD Lab Sample ID: LCSD 720-27961/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 0800
Date Prepared: N/A

Analysis Batch: 720-27961
Prep Batch: N/A
Units: mg/L

Instrument ID: Varian 3800 GC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methane	80	77	65 - 135	4	35		
Ethane	83	81	65 - 135	3	35		
Ethylene	80	77	65 - 135	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 640-38032

Method: VFA
Preparation: VFA

Lab Sample ID: MB 640-38032/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1752
Date Prepared: 10/29/2007 1415

Analysis Batch: 640-38016
Prep Batch: 640-38032
Units: mg/L

Instrument ID: SGI Varian 3400
Lab File ID: 1J29I24.d
Initial Weight/Volume: 1.5 mL
Final Weight/Volume: 1.5 mL
Injection Volume:

Analyte	Result	Qual	RL
Acetic acid	ND		0.50
Propionic acid	ND		0.50
Pyruvic Acid	ND		2.0
Butyric acid	ND		0.50
Lactic acid	ND		10
Surrogate	% Rec	Acceptance Limits	
Trimethylacetic Acid	100	30 - 150	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 640-38032**

Method: VFA
Preparation: VFA

LCS Lab Sample ID: LCS 640-38032/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1815
Date Prepared: 10/29/2007 1415

Analysis Batch: 640-38016
Prep Batch: 640-38032
Units: mg/L

Instrument ID: SGI Varian 3400
Lab File ID: 1J29I25.d
Initial Weight/Volume: 17.5 mL
Final Weight/Volume: 17.5 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 640-38032/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1839
Date Prepared: 10/29/2007 1415

Analysis Batch: 640-38016
Prep Batch: 640-38032
Units: mg/L

Instrument ID: SGI Varian 3400
Lab File ID: 1J29I26.d
Initial Weight/Volume: 17.5 mL
Final Weight/Volume: 17.5 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetic acid	98	105	61 - 114	8	20		
Propionic acid	95	92	77 - 107	4	20		
Pyruvic Acid	89	92	63 - 114	3	26		
Butyric acid	93	93	74 - 105	1	20		
Lactic acid	118	121	32 - 152	3	43		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-27896

Lab Sample ID: MB 720-27896/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/26/2007 1754
 Date Prepared: 10/26/2007 0833

Analysis Batch: 720-28046
 Prep Batch: 720-27896
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	2		0 - 5
p-Terphenyl	89		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-27896**

LCS Lab Sample ID: LCS 720-27896/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/26/2007 1700
 Date Prepared: 10/26/2007 0833

Analysis Batch: 720-28046
 Prep Batch: 720-27896
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-27896/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/26/2007 1727
 Date Prepared: 10/26/2007 0833

Analysis Batch: 720-28046
 Prep Batch: 720-27896
 Units: ug/L

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	67	69	50 - 130	3	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	84		84				50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-27943

Lab Sample ID: MB 720-27943/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1139
 Date Prepared: 10/29/2007 1147

Analysis Batch: 720-28041
 Prep Batch: 720-27943
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	82		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-27943**

LCS Lab Sample ID: LCS 720-27943/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1046
 Date Prepared: 10/29/2007 1147

Analysis Batch: 720-28041
 Prep Batch: 720-27943
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-27943/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1113
 Date Prepared: 10/29/2007 1147

Analysis Batch: 720-28041
 Prep Batch: 720-27943
 Units: ug/L

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	55	64	50 - 130	15	30		
Surrogate	LCS % Rec		LCSD % Rec			Acceptance Limits	
p-Terphenyl	73		75			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-27985

Lab Sample ID: MB 720-27985/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1955
 Date Prepared: 10/30/2007 1112

Analysis Batch: 720-27984
 Prep Batch: 720-27985
 Units: mg/L

**Method: 6010B
 Preparation: 3005A
 Total Recoverable**

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 42.8 mL

Analyte	Result	Qual	RL
Lead	ND		0.0050
Manganese	ND		0.0050

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-27985**

LCS Lab Sample ID: LCS 720-27985/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 1958
 Date Prepared: 10/30/2007 1112

Analysis Batch: 720-27984
 Prep Batch: 720-27985
 Units: mg/L

**Method: 6010B
 Preparation: 3005A
 Total Recoverable**

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 42.8 mL

LCSD Lab Sample ID: LCSD 720-27985/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 10/30/2007 2002
 Date Prepared: 10/30/2007 1112

Analysis Batch: 720-27984
 Prep Batch: 720-27985
 Units: mg/L

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 42.8 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	100	99	80 - 120	1	20		
Manganese	100	99	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-27910

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-27910/15
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1514
Date Prepared: N/A

Analysis Batch: 720-27910
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10250
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Nitrate ion	ND		1.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-27910**

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 720-27910/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1530
Date Prepared: N/A

Analysis Batch: 720-27910
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10250
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-27910/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1545
Date Prepared: N/A

Analysis Batch: 720-27910
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-102507
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate ion	102	98	80 - 120	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-27911

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-27911/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1514
Date Prepared: N/A

Analysis Batch: 720-27911
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10250
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloride	ND		1.0
Sulfate	ND		1.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-27911**

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 720-27911/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1530
Date Prepared: N/A

Analysis Batch: 720-27911
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10250
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-27911/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/25/2007 1545
Date Prepared: N/A

Analysis Batch: 720-27911
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10250
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chloride	96	94	80 - 120	3	20		
Sulfate	101	103	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28003

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-28003/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1810
Date Prepared: N/A

Analysis Batch: 720-28003
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10290
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloride	ND		1.0
Sulfate	ND		1.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28003**

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 720-28003/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1826
Date Prepared: N/A

Analysis Batch: 720-28003
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-10290
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-28003/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2007 1841
Date Prepared: N/A

Analysis Batch: 720-28003
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200710\DX-102907
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chloride	95	94	80 - 120	1	20		
Sulfate	91	99	80 - 120	8	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28121

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-28121/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1305
Date Prepared: N/A

Analysis Batch: 720-28121
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200711\DX-11010
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloride	ND		1.0
Sulfate	ND		1.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28121**

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 720-28121/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1321
Date Prepared: N/A

Analysis Batch: 720-28121
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200711\DX-11010
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-28121/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2007 1336
Date Prepared: N/A

Analysis Batch: 720-28121
Prep Batch: N/A
Units: mg/L

Instrument ID: Dionex IC
Lab File ID: D:\2007\200711\DX-11010
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chloride	94	94	80 - 120	0	20		
Sulfate	96	93	80 - 120	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28039

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 720-28039/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2007 1400
Date Prepared: N/A

Analysis Batch: 720-28039
Prep Batch: N/A
Units: mg/L

Instrument ID: Corning pH
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Alkalinity	ND		8.0
Bicarbonate Alkalinity as CaCO3	ND		8.0
Carbonate Alkalinity as CaCO3	ND		8.0
Hydroxide Alkalinity	ND		8.0

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28039**

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID: LCS 720-28039/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2007 1400
Date Prepared: N/A

Analysis Batch: 720-28039
Prep Batch: N/A
Units: mg/L

Instrument ID: Corning pH
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: mL

LCSD Lab Sample ID: LCSD 720-28039/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2007 1400
Date Prepared: N/A

Analysis Batch: 720-28039
Prep Batch: N/A
Units: mg/L

Instrument ID: Corning pH
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Alkalinity	95	93	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11448-1

Method Blank - Batch: 720-28058

**Method: SM 3500 FE D
Preparation: N/A**

Lab Sample ID: MB 720-28058/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A
Units: mg/L

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Ferrous Iron	ND		0.050

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28058**

**Method: SM 3500 FE D
Preparation: N/A**

LCS Lab Sample ID: LCS 720-28058/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A
Units: mg/L

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 720-28058/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/24/2007 1905
Date Prepared: N/A

Analysis Batch: 720-28058
Prep Batch: N/A
Units: mg/L

Instrument ID: 7196 Analyzer
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ferrous Iron	99	99	80 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-11448 Chain of Custody Record

STL
107832

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds			Site Contact: Nathan Colton			Date: 10/25/07		COC No: 2						
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326			Lab Contact:			Carrier:		1 of 1 COCs						
3451-C Vincent Road		Analysis Turnaround Time			Filtered Sample TPHg & VOCs 8260B - 15 µl only Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrous Iron Methane/ethane/ethene Fatty acids TPHg 8015M Silica Gel Cleanup				Job No. 01-ABI-001							
Pleasant Hill, California		Calendar (C) or Work Days (W)							SDG No.							
(925) 944-2856 x326 Phone		TAT if different from Below _____														
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks														
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week														
Site: AB&I Foundry		<input type="checkbox"/> 2 days														
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day							Sample Specific Notes:							
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPHg & VOCs 8260B - 15 µl only	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHg 8015M	Silica Gel Cleanup	Sample Specific Notes
1. MW-5	10/25	800	water	Grey	17	X										Filter Dissolved metals
2. Trip Blank 1	10/25				3	X										VOCs only
3. Equipment Blank 1	10/25	800			3	X										VOCs only
4. MW-8	10/25	915			17	X										Filter Dissolved Metals
5. MW-98	10/25	930			9	X			X				X	X		
6. MW-2R	10/25	1030			17	X										
7. MW-9	10/25	1145			17	X										
8. MW-1	10/25	1315			17	X										
9. MW-7	10/25	1430			17	X										
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																
Please filter all dissolved metals																
Relinquished by: <i>Ne White</i>		Company: <i>SGI</i>		Date/Time: <i>10/25/07 15:45</i>		Received by: <i>[Signature]</i>		Company: <i>World Courier</i>		Date/Time: <i>10-25-07 16:30</i>						
Relinquished by: <i>Stephen Sargas</i>		Company: <i>World Courier</i>		Date/Time: <i>10/25/07</i>		Received by: <i>[Signature]</i>		Company: <i>TAC-SF</i>		Date/Time: <i>10/25/07 17:21</i>						
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11448-1

Login Number: 11448
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11448-1

Login Number: 11448
Creator: Aaron, Terron
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 10/27/07 12:06 PM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11551-1

Job Description: AB&I Foundry

For:

The Source Group

3451-C Vincent Road

Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/08/2007

Job Narrative
720-J11551-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11551-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11551-8	SB-1-GW 24.5				
Benzene		0.75	0.50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		180	50	ug/L	8260B
Ethylbenzene		3.2	0.50	ug/L	8260B
Isopropylbenzene		0.58	0.50	ug/L	8260B
Naphthalene		1.5	1.0	ug/L	8260B
N-Propylbenzene		1.5	1.0	ug/L	8260B
Toluene		0.67	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		1.7	0.50	ug/L	8260B
1,3,5-Trimethylbenzene		1.1	0.50	ug/L	8260B
Xylenes, Total		1.8	1.0	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		51	50	ug/L	8015B
720-11551-39	SB-6-GW 23				
Toluene		0.52	0.50	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		110	50	ug/L	8015B
720-11551-40	SB-7-GW 17				
Benzene		37	0.50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		2900	50	ug/L	8260B
n-Butylbenzene		7.8	1.0	ug/L	8260B
sec-Butylbenzene		3.3	1.0	ug/L	8260B
Ethylbenzene		19	0.50	ug/L	8260B
Isopropylbenzene		10	0.50	ug/L	8260B
4-Isopropyltoluene		1.4	1.0	ug/L	8260B
Naphthalene		17	1.0	ug/L	8260B
N-Propylbenzene		14	1.0	ug/L	8260B
1,2,4-Trimethylbenzene		0.71	0.50	ug/L	8260B
Xylenes, Total		1.4	1.0	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		610	50	ug/L	8015B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11551-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11551-41	SB-97-GW 17				
Benzene		45	0.50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		4600	50	ug/L	8260B
n-Butylbenzene		8.9	1.0	ug/L	8260B
sec-Butylbenzene		4.0	1.0	ug/L	8260B
Ethylbenzene		17	0.50	ug/L	8260B
Isopropylbenzene		11	0.50	ug/L	8260B
Naphthalene		16	1.0	ug/L	8260B
N-Propylbenzene		14	1.0	ug/L	8260B
1,2,4-Trimethylbenzene		0.76	0.50	ug/L	8260B
Xylenes, Total		1.7	1.0	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		450	50	ug/L	8015B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11551-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11551-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11551-8	SB-1-GW 24.5	Water	10/30/2007 1030	10/31/2007 1755
720-11551-29	EQUIPMENT BLANK 1	Water	10/31/2007 0915	10/31/2007 1755
720-11551-39	SB-6-GW 23	Water	10/31/2007 1120	10/31/2007 1755
720-11551-40	SB-7-GW 17	Water	10/31/2007 1200	10/31/2007 1755
720-11551-41	SB-97-GW 17	Water	10/31/2007 1200	10/31/2007 1755

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-1-GW 24.5

Lab Sample ID: 720-11551-8
Client Matrix: Water

Date Sampled: 10/30/2007 1030
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/06/2007 2301		Final Weight/Volume: 40 mL
Date Prepared:	11/06/2007 2301		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	0.75		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	3.2		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	0.58		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-1-GW 24.5

Lab Sample ID: 720-11551-8
 Client Matrix: Water

Date Sampled: 10/30/2007 1030
 Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/06/2007 2301		Final Weight/Volume: 40 mL
Date Prepared:	11/06/2007 2301		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	1.5		1.0
N-Propylbenzene	1.5		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	0.67		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	1.7		0.50
1,3,5-Trimethylbenzene	1.1		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	1.8		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	117	83 - 127
1,2-Dichloroethane-d4 (Surr)	102	86 - 129
Toluene-d8 (Surr)	112	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: EQUIPMENT BLANK 1

Lab Sample ID: 720-11551-29
Client Matrix: Water

Date Sampled: 10/31/2007 0915
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/06/2007 1908		Final Weight/Volume: 40 mL
Date Prepared:	11/06/2007 1908		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	83 - 127
1,2-Dichloroethane-d4 (Surr)	106	86 - 129
Toluene-d8 (Surr)	109	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: EQUIPMENT BLANK 1

Lab Sample ID: 720-11551-29

Date Sampled: 10/31/2007 0915

Client Matrix: Water

Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28317

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: d:\data\200711\110607\sa-

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/06/2007 1242

Final Weight/Volume: 10 mL

Date Prepared: 11/06/2007 1242

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		73 - 130
Toluene-d8 (Surr)	96		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-6-GW 23

Lab Sample ID: 720-11551-39

Date Sampled: 10/31/2007 1120

Client Matrix: Water

Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28306 Instrument ID: Saturn 2K3
Preparation: 5030B Lab File ID: d:\data\200711\110607\SA-
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/07/2007 0008 Final Weight/Volume: 40 mL
Date Prepared: 11/07/2007 0008

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-6-GW 23

Lab Sample ID: 720-11551-39
 Client Matrix: Water

Date Sampled: 10/31/2007 1120
 Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 0008		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 0008		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	0.52		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	122	83 - 127
1,2-Dichloroethane-d4 (Surr)	104	86 - 129
Toluene-d8 (Surr)	109	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-7-GW 17

Lab Sample ID: 720-11551-40
 Client Matrix: Water

Date Sampled: 10/31/2007 1200
 Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\sa-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 0041		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 0041		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	37		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	7.8		1.0
sec-Butylbenzene	3.3		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	19		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	10		0.50
4-Isopropyltoluene	1.4		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-7-GW 17

Lab Sample ID: 720-11551-40
Client Matrix: Water

Date Sampled: 10/31/2007 1200
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\sa-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 0041		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 0041		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	17		1.0
N-Propylbenzene	14		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	0.71		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	1.4		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	124	83 - 127
1,2-Dichloroethane-d4 (Surr)	121	86 - 129
Toluene-d8 (Surr)	99	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-7-GW 17

Lab Sample ID: 720-11551-40
Client Matrix: Water

Date Sampled: 10/31/2007 1200
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28317 Instrument ID: Saturn 2100
Preparation: 5030B Lab File ID: d:\data\200711\110607\sa-
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 11/06/2007 1828 Final Weight/Volume: 10 mL
Date Prepared: 11/06/2007 1828

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	2900		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		73 - 130
Toluene-d8 (Surr)	104		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-97-GW 17

Lab Sample ID: 720-11551-41
Client Matrix: Water

Date Sampled: 10/31/2007 1200
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28306 Instrument ID: Saturn 2K3
Preparation: 5030B Lab File ID: d:\data\200711\110607\sa-
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/07/2007 0114 Final Weight/Volume: 40 mL
Date Prepared: 11/07/2007 0114

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	45		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	8.9		1.0
sec-Butylbenzene	4.0		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	17		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	11		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-97-GW 17

Lab Sample ID: 720-11551-41
Client Matrix: Water

Date Sampled: 10/31/2007 1200
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28306	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110607\sa-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 0114		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 0114		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	16		1.0
N-Propylbenzene	14		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	0.76		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	1.7		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	125	83 - 127	
1,2-Dichloroethane-d4 (Surr)	123	86 - 129	
Toluene-d8 (Surr)	100	82 - 126	

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-97-GW 17

Lab Sample ID: 720-11551-41

Date Sampled: 10/31/2007 1200

Client Matrix: Water

Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28336

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: d:\data\200711\110707\sa-

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/07/2007 1232

Final Weight/Volume: 10 mL

Date Prepared: 11/07/2007 1232

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	4600		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		73 - 130
Toluene-d8 (Surr)	102		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-1-GW 24.5

Lab Sample ID: 720-11551-8

Date Sampled: 10/30/2007 1030

Client Matrix: Water

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/06/2007 1527		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	51		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	77	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-6-GW 23

Lab Sample ID: 720-11551-39

Date Sampled: 10/31/2007 1120

Client Matrix: Water

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/06/2007 1553		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	110		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	100	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-7-GW 17

Lab Sample ID: 720-11551-40

Date Sampled: 10/31/2007 1200

Client Matrix: Water

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/06/2007 1619		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	610		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	93	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11551-1

Client Sample ID: SB-97-GW 17

Lab Sample ID: 720-11551-41

Date Sampled: 10/31/2007 1200

Client Matrix: Water

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/06/2007 1644		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	450		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	89	50 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28306					
LCS 720-28306/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28306/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28306/3	Method Blank	T	Water	8260B	
720-11551-8	SB-1-GW 24.5	T	Water	8260B	
720-11551-29	EQUIPMENT BLANK 1	T	Water	8260B	
720-11551-39	SB-6-GW 23	T	Water	8260B	
720-11551-40	SB-7-GW 17	T	Water	8260B	
720-11551-41	SB-97-GW 17	T	Water	8260B	
Analysis Batch:720-28317					
LCS 720-28317/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28317/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28317/3	Method Blank	T	Water	8260B	
720-11551-8	SB-1-GW 24.5	T	Water	8260B	
720-11551-29	EQUIPMENT BLANK 1	T	Water	8260B	
720-11551-39	SB-6-GW 23	T	Water	8260B	
720-11551-40	SB-7-GW 17	T	Water	8260B	
Analysis Batch:720-28336					
LCS 720-28336/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28336/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28336/3	Method Blank	T	Water	8260B	
720-11551-41	SB-97-GW 17	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-28194					
LCS 720-28194/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-28194/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-28194/1-A	Method Blank	A	Water	3510C SGC	
720-11551-8	SB-1-GW 24.5	A	Water	3510C SGC	
720-11551-39	SB-6-GW 23	A	Water	3510C SGC	
720-11551-40	SB-7-GW 17	A	Water	3510C SGC	
720-11551-41	SB-97-GW 17	A	Water	3510C SGC	
Analysis Batch:720-28325					
LCS 720-28194/2-A	Lab Control Spike	A	Water	8015B	720-28194
LCSD 720-28194/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-28194
MB 720-28194/1-A	Method Blank	A	Water	8015B	720-28194
720-11551-8	SB-1-GW 24.5	A	Water	8015B	720-28194
720-11551-39	SB-6-GW 23	A	Water	8015B	720-28194
720-11551-40	SB-7-GW 17	A	Water	8015B	720-28194
720-11551-41	SB-97-GW 17	A	Water	8015B	720-28194

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

Method Blank - Batch: 720-28306

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28306/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1819
Date Prepared: 11/06/2007 1819

Analysis Batch: 720-28306
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110607\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

Method Blank - Batch: 720-28306

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28306/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1819
Date Prepared: 11/06/2007 1819

Analysis Batch: 720-28306
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110607\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	112	83 - 127	
1,2-Dichloroethane-d4 (Surr)	95	86 - 129	
Toluene-d8 (Surr)	108	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28306**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28306/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1712
Date Prepared: 11/06/2007 1712

Analysis Batch: 720-28306
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110607\LS-
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28306/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1745
Date Prepared: 11/06/2007 1745

Analysis Batch: 720-28306
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110607\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	96	90	69 - 129	6	20		
Chlorobenzene	106	101	61 - 121	5	20		
1,1-Dichloroethene	103	89	65 - 125	14	20		
Toluene	96	88	70 - 130	8	20		
Trichloroethene	86	84	74 - 134	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	103		113		83 - 127		
1,2-Dichloroethane-d4 (Surr)	101		102		86 - 129		
Toluene-d8 (Surr)	101		105		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

Method Blank - Batch: 720-28317

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28317/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1112
Date Prepared: 11/06/2007 1112

Analysis Batch: 720-28317
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110607\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	104	73 - 130	
Toluene-d8 (Surr)	99	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28317**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28317/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1019
Date Prepared: 11/06/2007 1019

Analysis Batch: 720-28317
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110607\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28317/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1045
Date Prepared: 11/06/2007 1045

Analysis Batch: 720-28317
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110607\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	97	69 - 129	6	20		
Toluene	98	95	70 - 130	2	20		
MTBE	100	96	65 - 165	4	20		
Gasoline Range Organics (GRO)-C5-C12	68	66	60 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	86		89		73 - 130		
Toluene-d8 (Surr)	96		96		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

Method Blank - Batch: 720-28336

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28336/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1133
Date Prepared: 11/07/2007 1133

Analysis Batch: 720-28336
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110707\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
<hr/>			
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	102	73 - 130	
Toluene-d8 (Surr)	98	77 - 121	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28336**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28336/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1029
Date Prepared: 11/07/2007 1029

Analysis Batch: 720-28336
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110707\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28336/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1055
Date Prepared: 11/07/2007 1055

Analysis Batch: 720-28336
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110707\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	104	69 - 129	5	20		
Toluene	96	99	70 - 130	3	20		
Gasoline Range Organics (GRO)-C5-C12	69	73	60 - 130	6	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	94		98		73 - 130		
Toluene-d8 (Surr)	94		95		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-1

Method Blank - Batch: 720-28194

Lab Sample ID: MB 720-28194/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1318
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	78		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28194**

LCS Lab Sample ID: LCS 720-28194/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1344
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-28194/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1436
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	65	63	50 - 130	3	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		77	75			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Pleasanton, CA 94566

phone 925-484-1919 fax 925-484-1096

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds			Site Contact: Nathan Colton			Date: 10/31/07			COC No: 2				
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326			Lab Contact:			Carrier:			1 of 7 COCs				
3451-C Vincent Road		Analysis Turnaround Time			Filtered Sample TPHg & VOCs 8260B Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup H-10						Job No. 01-ABI-001				
Pleasant Hill, California		Calendar (C) or Work Days (W)													
(925) 944-2856 x326 Phone		TAT if different from Below _____													
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day													
Project Name: AB&I Foundry															
Site: AB&I Foundry											SDG No.				
P O # 01-ABI-001/T5															
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.									
1	SB-1-2	10/30/07	920	gs	Soil	1									
2	SB-1-5		925												
3	SB-1-10		940												
4	SB-1-15		950												
5	SB-1-20		1002												
6	SB-1-25		1010												
7	SB-1-28		1022												
8	SB-1-6W24.5		1030		GW	7	X				XX				
9	SB-2-3		1135		Soil	1								X	
10	SB-2-5		1130												
11	SB-2-10		1140												
12	SB-2-15		1150												
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other															
Possible Hazard Identification							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months								
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format															
Temp. 2.0°C															
Relinquished by: JLG WLG		Company: SGI		Date/Time: 10/31/07 1620		Received by: J WENDEL		Company: W COOR		Date/Time: 10/31/07 1645					
Relinquished by: J WENDEL		Company: WORLD 10 COOR		Date/Time: 10/31/07 1755		Received by: J B BULLER		Company: TAL-SF		Date/Time: 10/31/07 1755					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No: 4															
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		2 of 4 COCs															
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001															
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.															
(925) 944-2856 x326 Phone		TAT if different from Below _____																					
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																					
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																					
Site: AB&I Foundry		<input type="checkbox"/> 2 days																					
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																					
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPHg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Sample Specific Notes:						
13	SB-2-20	10/31/07	1200	Grab	S-1	1											X						
14	SB-2-20		1200																				
15	SB-2-25		1210																				
16	SB-3-3		1350																				
17	SB-3-5		1345																				
18	SB-3-10		1355																				
19	SB-3-15		1358																				
20	SB-3-20		1400																				
21	SB-3-25		1410																				
22	SB-4-3		1435																				
23	SB-4-5		1436																				
24	SB-4-10		1440																				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																							
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months													
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																							
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
VQ Wick		SGI		10/21/07 1600		F JUMENIZ		W COUR		10/31/07		F JUMENIZ		W COUR		10/31/07 1643		F Bull		TAL-SF		10/31/07 1755	
F JUMENIZ		W COUR		10/31/07		F Bull		TAL-SF		10/31/07 1755													

Chain of Custody Record

720-11551

STL

107925

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds			Site Contact: Nathan Colton			Date:		COC No: 5	
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326			Lab Contact:			Carrier:		3 of 4 COCs	
3451-C Vincent Road		Analysis Turnaround Time			Filtered Sample TPHg & VOCs 8260B Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup Held					Job No. 01-ABI-001	
Pleasant Hill, California		Calendar (C) or Work Days (W)								SDG No.	
(925) 944-2856 x326 Phone		TAT if different from Below _____									
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks									
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week									
Site: AB&I Foundry		<input type="checkbox"/> 2 days									
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day			Sample Specific Notes:						
Sample Identification		Sample Date	Sample Time	Sample Type			Matrix	# of Cont.			
25	SB-4-15	1/30	1446	Grab	S-1	1					X
26	SB-4-20	↓	1500	↓	↓	↓					X
27	SB-94-10	↓	1440	↓	↓	↓					X
28	SB-4-24	↓	1510	↓	↓	↓					X
29	Equipment Blank 1	1/31	915	Grab	Water	6	X				
30	SB-5-3	↓	812	Grab	S-1	1					X
31	SB-5-5	↓	810	↓	↓	↓					
32	SB-5-10	↓	816	↓	↓	↓					
33	SB-5-15	↓	825	↓	↓	↓					
34	SB-5-20	↓	830	↓	↓	↓					
35	SB-5-25	↓	835	↓	↓	↓					
36	SB-6-5	↓	930	↓	↓	↓					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format											
Relinquished by: <i>W. Wilson</i>		Company: <i>SGI</i>		Date/Time: <i>10/31/07 1643</i>		Received by: <i>F. Simola</i>		Company: <i>W. COOPER</i>		Date/Time: <i>10/31/07</i>	
Relinquished by: <i>F. Simola</i>		Company: <i>W. COOPER</i>		Date/Time: <i>10/31/07</i>		Received by: <i>Jim Burke</i>		Company: <i>TAL-SF</i>		Date/Time: <i>10/31/07 1800</i>	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	

Chain of Custody Record

720-11551

107925

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No: 6															
The Source Group, Inc.		Tel/Fax: (925) 944-2856 x326		Lab Contact:		Carrier:		4 of 4 COCs															
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001															
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.															
(925) 944-2856 x326 Phone		TAT if different from Below																					
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																					
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																					
Site: AB&I Foundry		<input type="checkbox"/> 2 days																					
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																					
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPHlg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Hold	Sample Specific Notes:					
37	SB-6-10	10/31	926	Grab	S.1	1																	
38	SB-6-15	10/31	940	Grab	S.7	1																	
39	SB-6-GW23		1120	Grab	GW	7	X								XX								
40	SB-7-GW17		1200		GW	7	X								XX								
41	SB-7-GW17		1200		GW	7	X								XX								
42	SB-7-5		1104		S.1	1											X						
43	SB-7-15		1120		S.1	1											X						
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																							
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months													
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																							
Relinquished by: M. M. Co				Company: SGI				Date/Time: 10/31/07 1800				Received by: F. J. J. J.				Company: W. COOKER				Date/Time: 10/31/07			
Relinquished by: F. J. J. J.				Company: W. COOKER				Date/Time: 10/31/07				Received by: M. M. Co				Company: TAL-SF				Date/Time: 10/31/07 1800			
Relinquished by:				Company:				Date/Time:				Received by:				Company:				Date/Time:			

STL San Francisco
120 Quarry Lane

720-11551

Chain of Custody Record

STL
107925

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No 2											
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		1 of 7 COCs											
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001											
Pleasant Hill, California		Calendar (C) or Work Days (W)																	
(925) 944-2856 x326 Phone		TAT if different from Below																	
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																	
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																	
Site: AB&I Foundry		<input type="checkbox"/> 2 days																	
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	111Hg & YDCs 92603B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Sample Specific Notes		
1	SB-1-2	10/30/07	920	gnb	Soil	1												X	TPH9/BTEX (8260) CAMEL 7 metals 5 Fuel Oxy
2	SB-1-5		925																
3	SB-1-10		940																
4	SB-1-15		950																
5	SB-1-20		1002																
6	SB-1-25		1010																
7	SB-1-28		1022																
8	SB-1-6W24.5		1030		CW	7	X												
9	SB-2-3		1135		Soil	1													
10	SB-2-5		1130																
11	SB-2-10		1140																
12	SB-2-15		1150																
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Possible Hazard Identification										Return To Client									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										<input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																			
Temp. 2.0°C																			
Relinquished by: JLR WLG		Company: SGI		Date/Time: 10/31/07 1022		Received by: J. WENDEL		Company: W COOR		Date/Time: 10/31/07 1645									
Relinquished by: J. WENDEL		Company: WORLD 105		Date/Time: 10/31/07 1155		Received by: J. Bullock		Company: TAL-SF		Date/Time: 10/31/07 1755									
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:									

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Chain of Custody Record

720-11551

STL
107925

Severn Trent Laboratories, Inc.

Client Contact The Source Group, Inc. 3451-C Vincent Road Pleasant Hill, California (925) 944-2856 x326 Phone (925) 944-2859 FAX Project Name: AB&I Foundry Site: AB&I Foundry P O # 01-ABI-001/T5		Project Manager: Kent Reynolds Tel/Fax:(925) 944-2856 x326 Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: Nathan Colton Date: 10/31/07 Carrier:		COC No. 6 4 of 4 COCs Job No. 01-ABI-001 SDG No Sample Specific Notes:									
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont	TPHig & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHid 8015M	Silica Gel Cleanup	Handwritten Notes
37 SB-6-10	10/31	926	Grub	S-1	1										X
38 SB-6-15	10/31	940	Grub	S-1	1										X
39 SB-6-GW23		1120	Grub	GW	7	X							XX		X
40 SB-7-6W17		1200		GW	7	X							XX		X
41 CB-7-6W17		1200		GW	7	X							XX		
42 SB-7-5		1104		S-1	1										X
43 SB-7-15		1120		S-1	1										X
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format									
Relinquished by: [Signature]		Company: SGE		Date/Time: 10/31/07		Received by: F. J. [Signature]		Company: W. COOKER		Date/Time: 10/31/07					
Relinquished by: F. J. [Signature]		Company: W. COOKER		Date/Time: 10/31/07		Received by: [Signature]		Company: TAL-57		Date/Time: 10/31/07					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11551-1

Login Number: 11551
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11551-2

Job Description: AB&I Foundry

For:

The Source Group

3451-C Vincent Road

Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds

Melissa Brewer

Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/08/2007

Job Narrative
720-J11551-2

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 28195 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 28205 was outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: Chlorobenzene-d5 Internal standard response was outside of acceptance limits for 720-11551-17. The sample shows evidence of matrix interference.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Capric Acid Surrogate recovery for the following sample(s) was outside control limits: SB-2-20 (720-11551-13), SB-2-3 (720-11551-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 28390 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 28176 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11551-2

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11551-2	SB-1-5				
Arsenic		4.2	0.96	mg/Kg	6010B
Barium		160	0.96	mg/Kg	6010B
Beryllium		0.67	0.48	mg/Kg	6010B
Chromium		37	0.96	mg/Kg	6010B
Cobalt		6.8	0.96	mg/Kg	6010B
Copper		22	0.96	mg/Kg	6010B
Lead		19	0.96	mg/Kg	6010B
Molybdenum		1.1	0.96	mg/Kg	6010B
Nickel		32	0.96	mg/Kg	6010B
Vanadium		31	0.96	mg/Kg	6010B
Zinc		44	0.96	mg/Kg	6010B
Mercury		0.065	0.049	mg/Kg	7471A
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		65	4.9	mg/Kg	8015B
720-11551-3	SB-1-10				
Gasoline Range Organics (GRO)-C5-C12		91	50	mg/Kg	8260B
Arsenic		6.8	0.98	mg/Kg	6010B
Barium		130	0.98	mg/Kg	6010B
Beryllium		0.66	0.49	mg/Kg	6010B
Chromium		36	0.98	mg/Kg	6010B
Cobalt		7.8	0.98	mg/Kg	6010B
Copper		20	0.98	mg/Kg	6010B
Lead		3.8	0.98	mg/Kg	6010B
Nickel		34	0.98	mg/Kg	6010B
Vanadium		37	0.98	mg/Kg	6010B
Zinc		30	0.98	mg/Kg	6010B
Mercury		0.090	0.051	mg/Kg	7471A
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		2.4	1.0	mg/Kg	8015B
720-11551-5	SB-1-20				
Ethylbenzene		4.9	0.99	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		450	49	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		8.9	0.99	mg/Kg	8015B
720-11551-7	SB-1-28				
Gasoline Range Organics (GRO)-C5-C12		0.39	0.24	mg/Kg	8260B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11551-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11551-9	SB-2-3				
Gasoline Range Organics (GRO)-C5-C12		68	49	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		110	1.0	mg/Kg	8015B
720-11551-12	SB-2-15				
Ethylbenzene		7.4	0.98	mg/Kg	8260B
Toluene		1.5	0.98	mg/Kg	8260B
Xylenes, Total		30	2.0	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		410	49	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		47	0.99	mg/Kg	8015B
720-11551-13	SB-2-20				
Ethylbenzene		27	2.4	mg/Kg	8260B
Xylenes, Total		62	4.9	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		1400	120	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		120	1.0	mg/Kg	8015B
720-11551-15	SB-2-25				
Gasoline Range Organics (GRO)-C5-C12		0.28	0.24	mg/Kg	8260B
720-11551-17	SB-3-5				
Toluene		0.0080	0.0047	mg/Kg	8260B
720-11551-18	SB-3-10				
Benzene		0.0049	0.0047	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		1.3	0.23	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		1.4	0.99	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11551-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11551-19	SB-3-15				
Ethylbenzene		12	2.3	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		1400	120	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		660	5.0	mg/Kg	8015B
720-11551-25	SB-4-15				
Ethylbenzene		2.4	1.9	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		790	93	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		44	0.98	mg/Kg	8015B
720-11551-26	SB-4-20				
Ethylbenzene		4.0	0.89	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		470	45	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		4.3	0.99	mg/Kg	8015B
720-11551-31	SB-5-5				
Gasoline Range Organics (GRO)-C5-C12		1.9	0.25	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		2700	50	mg/Kg	8015B
720-11551-32	SB-5-10				
Benzene		0.012	0.0049	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		4.1	0.25	mg/Kg	8260B
720-11551-34	SB-5-20				
Gasoline Range Organics (GRO)-C5-C12		78	50	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		22	1.0	mg/Kg	8015B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11551-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Purge and Trap for Methanol Extractions	TAL SF		SW846 5030B
Purge and Trap for Solids	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	TAL SF		SW846 7471A

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11551-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11551-2	SB-1-5	Solid	10/30/2007 0925	10/31/2007 1755
720-11551-3	SB-1-10	Solid	10/30/2007 0940	10/31/2007 1755
720-11551-5	SB-1-20	Solid	10/30/2007 1002	10/31/2007 1755
720-11551-7	SB-1-28	Solid	10/30/2007 1022	10/31/2007 1755
720-11551-9	SB-2-3	Solid	10/30/2007 1135	10/31/2007 1755
720-11551-12	SB-2-15	Solid	10/30/2007 1150	10/31/2007 1755
720-11551-13	SB-2-20	Solid	10/30/2007 1200	10/31/2007 1755
720-11551-15	SB-2-25	Solid	10/30/2007 1210	10/31/2007 1755
720-11551-17	SB-3-5	Solid	10/30/2007 1345	10/31/2007 1755
720-11551-18	SB-3-10	Solid	10/30/2007 1355	10/31/2007 1755
720-11551-19	SB-3-15	Solid	10/30/2007 1358	10/31/2007 1755
720-11551-21	SB-3-25	Solid	10/30/2007 1410	10/31/2007 1755
720-11551-24	SB-4-10	Solid	10/30/2007 1440	10/31/2007 1755
720-11551-25	SB-4-15	Solid	10/30/2007 1446	10/31/2007 1755
720-11551-26	SB-4-20	Solid	10/30/2007 1500	10/31/2007 1755
720-11551-28	SB-4-24	Solid	10/30/2007 1510	10/31/2007 1755
720-11551-31	SB-5-5	Solid	10/31/2007 0810	10/31/2007 1755
720-11551-32	SB-5-10	Solid	10/31/2007 0816	10/31/2007 1755
720-11551-34	SB-5-20	Solid	10/31/2007 0830	10/31/2007 1755
720-11551-35	SB-5-25	Solid	10/31/2007 0835	10/31/2007 1755

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-2-3

Lab Sample ID: 720-11551-9
Client Matrix: Solid

Date Sampled: 10/30/2007 1135
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28375 Instrument ID: Varian 3900E
Preparation: 5030B-Medium Prep Batch: 720-28373 Lab File ID: c:\varianws\data\200711\11
Dilution: 200 Initial Weight/Volume: 5.06 g
Date Analyzed: 11/03/2007 1641 Final Weight/Volume: 10 mL
Date Prepared: 11/03/2007 0810

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.99
Ethylbenzene		ND		0.99
Toluene		ND		0.99
Xylenes, Total		ND		2.0
Gasoline Range Organics (GRO)-C5-C12		68		49
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		96		50 - 130
1,2-Dichloroethane-d4 (Surr)		83		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-2-20

Lab Sample ID: 720-11551-13
Client Matrix: Solid

Date Sampled: 10/30/2007 1200
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28375 Instrument ID: Varian 3900E
Preparation: 5030B-Medium Prep Batch: 720-28373 Lab File ID: c:\varianws\data\200711\11
Dilution: 500 Initial Weight/Volume: 5.11 g
Date Analyzed: 11/08/2007 1246 Final Weight/Volume: 10 mL
Date Prepared: 11/03/2007 0810

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		2.4
Ethylbenzene		27		2.4
Toluene		ND		2.4
Xylenes, Total		62		4.9
Gasoline Range Organics (GRO)-C5-C12		1400		120
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		98		50 - 130
1,2-Dichloroethane-d4 (Surr)		73		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-3-15

Lab Sample ID: 720-11551-19
Client Matrix: Solid

Date Sampled: 10/30/2007 1358
Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28375 Instrument ID: Varian 3900E
Preparation: 5030B-Medium Prep Batch: 720-28373 Lab File ID: c:\varianws\data\200711\11
Dilution: 500 Initial Weight/Volume: 5.34 g
Date Analyzed: 11/08/2007 1309 Final Weight/Volume: 10 mL
Date Prepared: 11/03/2007 0810

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		2.3
Ethylbenzene		12		2.3
Toluene		ND		2.3
Xylenes, Total		ND		4.7
Gasoline Range Organics (GRO)-C5-C12		1400		120

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	50 - 130
1,2-Dichloroethane-d4 (Surr)	73	60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-4-24

Lab Sample ID: 720-11551-28

Date Sampled: 10/30/2007 1510

Client Matrix: Solid

Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28389	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-28353	Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	11/08/2007 1433		Final Weight/Volume: 10.00 mL
Date Prepared:	11/08/2007 0915		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0050
Ethylbenzene		ND		0.0050
Toluene		ND		0.0050
Xylenes, Total		ND		0.0099
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		94		70 - 130
1,2-Dichloroethane-d4 (Surr)		102		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-5-10

Lab Sample ID: 720-11551-32

Date Sampled: 10/31/2007 0816

Client Matrix: Solid

Date Received: 10/31/2007 1755

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28205	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-28328	Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 5.06 g
Date Analyzed:	11/03/2007 2000		Final Weight/Volume: 10 mL
Date Prepared:	11/03/2007 0954		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		0.012		0.0049
Ethylbenzene		ND		0.0049
Toluene		ND		0.0049
Xylenes, Total		ND		0.0099
Gasoline Range Organics (GRO)-C5-C12		4.1		0.25
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		99		70 - 130
1,2-Dichloroethane-d4 (Surr)		95		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-1-5

Lab Sample ID: 720-11551-2

Date Sampled: 10/30/2007 0925

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 30.40 g
Date Analyzed:	11/08/2007 1133		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		65		4.9

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-1-10

Lab Sample ID: 720-11551-3

Date Sampled: 10/30/2007 0940

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	11/08/2007 1159		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.4		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	76	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-1-20

Lab Sample ID: 720-11551-5

Date Sampled: 10/30/2007 1002

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.32 g
Date Analyzed:	11/07/2007 1653		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		8.9		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	91	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-1-28

Lab Sample ID: 720-11551-7

Date Sampled: 10/30/2007 1022

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.08 g
Date Analyzed:	11/07/2007 1719		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	103	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-2-3

Lab Sample ID: 720-11551-9

Date Sampled: 10/30/2007 1135

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	11/08/2007 1224		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		110		1.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	17	X	0 - 5
p-Terphenyl	64		41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-2-15

Lab Sample ID: 720-11551-12

Date Sampled: 10/30/2007 1150

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.22 g
Date Analyzed:	11/08/2007 1250		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		47		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	82	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-2-20

Lab Sample ID: 720-11551-13

Date Sampled: 10/30/2007 1200

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID:	Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.03 g
Date Analyzed:	11/07/2007 1902		Final Weight/Volume:	5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		120		1.0
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		7	X	0 - 5
p-Terphenyl		93		41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-2-25

Lab Sample ID: 720-11551-15

Date Sampled: 10/30/2007 1210

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	11/08/2007 1316		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	81	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-3-5

Lab Sample ID: 720-11551-17

Date Sampled: 10/30/2007 1345

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.37 g
Date Analyzed:	11/08/2007 1343		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	85	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-3-10

Lab Sample ID: 720-11551-18

Date Sampled: 10/30/2007 1355

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.34 g
Date Analyzed:	11/07/2007 1928		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.4		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	102	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-3-15

Lab Sample ID: 720-11551-19

Date Sampled: 10/30/2007 1358

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 30.23 g
Date Analyzed:	11/07/2007 2348		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		660		5.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-3-25

Lab Sample ID: 720-11551-21

Date Sampled: 10/30/2007 1410

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.37 g
Date Analyzed:	11/08/2007 1409		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	71	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-4-10

Lab Sample ID: 720-11551-24

Date Sampled: 10/30/2007 1440

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	11/07/2007 1954		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	89	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-4-15

Lab Sample ID: 720-11551-25

Date Sampled: 10/30/2007 1446

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.46 g
Date Analyzed:	11/07/2007 2020		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		44		0.98

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	94	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-4-20

Lab Sample ID: 720-11551-26

Date Sampled: 10/30/2007 1500

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.24 g
Date Analyzed:	11/08/2007 1435		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.3		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	75	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-4-24

Lab Sample ID: 720-11551-28

Date Sampled: 10/30/2007 1510

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.39 g
Date Analyzed:	11/07/2007 2112		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	104	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-5-5

Lab Sample ID: 720-11551-31

Date Sampled: 10/31/2007 0810

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	50		Initial Weight/Volume: 30.06 g
Date Analyzed:	11/07/2007 2256		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2700		50

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-5-10

Lab Sample ID: 720-11551-32

Date Sampled: 10/31/2007 0816

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/07/2007 2138		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	92	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-5-20

Lab Sample ID: 720-11551-34

Date Sampled: 10/31/2007 0830

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.08 g
Date Analyzed:	11/07/2007 2204		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		22		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	93	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-5-25

Lab Sample ID: 720-11551-35

Date Sampled: 10/31/2007 0835

Client Matrix: Solid

Date Received: 10/31/2007 1755

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28390	Instrument ID: Varian DRO4
Preparation:	3550B	Prep Batch: 720-28236	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.19 g
Date Analyzed:	11/07/2007 2230		Final Weight/Volume: 5 mL
Date Prepared:	11/06/2007 1146		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	81	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-1-5

Lab Sample ID: 720-11551-2

Date Sampled: 10/30/2007 0925

Client Matrix: Solid

Date Received: 10/31/2007 1755

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B Analysis Batch: 720-28217 Instrument ID: Varian ICP
Preparation: 3050B Prep Batch: 720-28176 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.04 g
Date Analyzed: 11/05/2007 1929 Final Weight/Volume: 50 mL
Date Prepared: 11/05/2007 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.9
Arsenic		4.2		0.96
Barium		160		0.96
Beryllium		0.67		0.48
Cadmium		ND		0.48
Chromium		37		0.96
Cobalt		6.8		0.96
Copper		22		0.96
Lead		19		0.96
Molybdenum		1.1		0.96
Nickel		32		0.96
Selenium		ND		1.9
Silver		ND		0.96
Thallium		ND		0.96
Vanadium		31		0.96
Zinc		44		0.96

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A Analysis Batch: 720-28219 Instrument ID: FIMS 100
Preparation: 7471A Prep Batch: 720-28186 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.03 g
Date Analyzed: 11/05/2007 1647 Final Weight/Volume: 50 mL
Date Prepared: 11/05/2007 1109

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.065		0.049

Analytical Data

Client: The Source Group

Job Number: 720-11551-2

Client Sample ID: SB-1-10

Lab Sample ID: 720-11551-3
Client Matrix: Solid

Date Sampled: 10/30/2007 0940
Date Received: 10/31/2007 1755

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B Analysis Batch: 720-28217 Instrument ID: Varian ICP
Preparation: 3050B Prep Batch: 720-28176 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.02 g
Date Analyzed: 11/05/2007 1932 Final Weight/Volume: 50 mL
Date Prepared: 11/05/2007 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.0
Arsenic		6.8		0.98
Barium		130		0.98
Beryllium		0.66		0.49
Cadmium		ND		0.49
Chromium		36		0.98
Cobalt		7.8		0.98
Copper		20		0.98
Lead		3.8		0.98
Molybdenum		ND		0.98
Nickel		34		0.98
Selenium		ND		2.0
Silver		ND		0.98
Thallium		ND		0.98
Vanadium		37		0.98
Zinc		30		0.98

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A Analysis Batch: 720-28219 Instrument ID: FIMS 100
Preparation: 7471A Prep Batch: 720-28186 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.99 g
Date Analyzed: 11/05/2007 1648 Final Weight/Volume: 50 mL
Date Prepared: 11/05/2007 1109

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.090		0.051

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11551-2

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-28183					
LCS 720-28183/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28183/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28183/1-A	Method Blank	T	Solid	5030B	
720-11551-15	SB-2-25	T	Solid	5030B	
720-11551-24	SB-4-10	T	Solid	5030B	
720-11589-A-18-B MS	Matrix Spike	T	Solid	5030B	
720-11589-A-18-C MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:720-28195					
LCS 720-28183/2-A	Lab Control Spike	T	Solid	8260B	720-28183
LCSD 720-28183/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28183
MB 720-28183/1-A	Method Blank	T	Solid	8260B	720-28183
720-11551-15	SB-2-25	T	Solid	8260B	720-28183
720-11551-24	SB-4-10	T	Solid	8260B	720-28183
720-11589-A-18-B MS	Matrix Spike	T	Solid	8260B	720-28183
720-11589-A-18-C MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28183
Analysis Batch:720-28205					
LCS 720-28328/2-A	Lab Control Spike	T	Solid	8260B	720-28328
LCSD 720-28328/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28328
MB 720-28328/1-A	Method Blank	T	Solid	8260B	720-28328
720-11547-A-1-G MS	Matrix Spike	T	Solid	8260B	720-28328
720-11547-A-1-H MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28328
720-11551-2	SB-1-5	T	Solid	8260B	720-28328
720-11551-7	SB-1-28	T	Solid	8260B	720-28328
720-11551-18	SB-3-10	T	Solid	8260B	720-28328
720-11551-31	SB-5-5	T	Solid	8260B	720-28328
720-11551-32	SB-5-10	T	Solid	8260B	720-28328
720-11551-35	SB-5-25	T	Solid	8260B	720-28328
Prep Batch: 720-28242					
LCS 720-28242/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28242/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28242/1-A	Method Blank	T	Solid	5030B	
720-11551-17	SB-3-5	T	Solid	5030B	
720-11551-21	SB-3-25	T	Solid	5030B	
720-11551-21MS	Matrix Spike	T	Solid	5030B	
720-11551-21MSD	Matrix Spike Duplicate	T	Solid	5030B	

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-28328					
LCS 720-28328/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28328/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28328/1-A	Method Blank	T	Solid	5030B	
720-11547-A-1-G MS	Matrix Spike	T	Solid	5030B	
720-11547-A-1-H MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-11551-2	SB-1-5	T	Solid	5030B	
720-11551-7	SB-1-28	T	Solid	5030B	
720-11551-18	SB-3-10	T	Solid	5030B	
720-11551-31	SB-5-5	T	Solid	5030B	
720-11551-32	SB-5-10	T	Solid	5030B	
720-11551-35	SB-5-25	T	Solid	5030B	
Analysis Batch:720-28333					
LCS 720-28242/2-A	Lab Control Spike	T	Solid	8260B	720-28242
LCSD 720-28242/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28242
MB 720-28242/1-A	Method Blank	T	Solid	8260B	720-28242
720-11551-17	SB-3-5	T	Solid	8260B	720-28242
720-11551-21	SB-3-25	T	Solid	8260B	720-28242
720-11551-21MS	Matrix Spike	T	Solid	8260B	720-28242
720-11551-21MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28242
Prep Batch: 720-28353					
LCS 720-28353/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28353/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28353/1-A	Method Blank	T	Solid	5030B	
720-11551-28	SB-4-24	T	Solid	5030B	
Prep Batch: 720-28373					
LCS 720-28373/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28373/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28373/1-A	Method Blank	T	Solid	5030B	
720-11551-3	SB-1-10	T	Solid	5030B	
720-11551-5	SB-1-20	T	Solid	5030B	
720-11551-9	SB-2-3	T	Solid	5030B	
720-11551-12	SB-2-15	T	Solid	5030B	
720-11551-13	SB-2-20	T	Solid	5030B	
720-11551-19	SB-3-15	T	Solid	5030B	
720-11551-25	SB-4-15	T	Solid	5030B	
720-11551-26	SB-4-20	T	Solid	5030B	
720-11551-34	SB-5-20	T	Solid	5030B	

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28375					
LCS 720-28373/2-A	Lab Control Spike	T	Solid	8260B	720-28373
LCSD 720-28373/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28373
MB 720-28373/1-A	Method Blank	T	Solid	8260B	720-28373
720-11551-3	SB-1-10	T	Solid	8260B	720-28373
720-11551-5	SB-1-20	T	Solid	8260B	720-28373
720-11551-9	SB-2-3	T	Solid	8260B	720-28373
720-11551-12	SB-2-15	T	Solid	8260B	720-28373
720-11551-13	SB-2-20	T	Solid	8260B	720-28373
720-11551-19	SB-3-15	T	Solid	8260B	720-28373
720-11551-25	SB-4-15	T	Solid	8260B	720-28373
720-11551-26	SB-4-20	T	Solid	8260B	720-28373
720-11551-34	SB-5-20	T	Solid	8260B	720-28373
Analysis Batch:720-28389					
LCS 720-28353/2-A	Lab Control Spike	T	Solid	8260B	720-28353
LCSD 720-28353/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28353
MB 720-28353/1-A	Method Blank	T	Solid	8260B	720-28353
720-11551-28	SB-4-24	T	Solid	8260B	720-28353

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-28236					
LCS 720-28236/2-A	Lab Control Spike	A	Solid	3550B	
LCSD 720-28236/3-A	Lab Control Spike Duplicate	A	Solid	3550B	
MB 720-28236/1-A	Method Blank	A	Solid	3550B	
720-11551-2	SB-1-5	A	Solid	3550B	
720-11551-3	SB-1-10	A	Solid	3550B	
720-11551-3MS	Matrix Spike	A	Solid	3550B	
720-11551-3MSD	Matrix Spike Duplicate	A	Solid	3550B	
720-11551-5	SB-1-20	A	Solid	3550B	
720-11551-7	SB-1-28	A	Solid	3550B	
720-11551-9	SB-2-3	A	Solid	3550B	
720-11551-12	SB-2-15	A	Solid	3550B	
720-11551-13	SB-2-20	A	Solid	3550B	
720-11551-15	SB-2-25	A	Solid	3550B	
720-11551-17	SB-3-5	A	Solid	3550B	
720-11551-18	SB-3-10	A	Solid	3550B	
720-11551-19	SB-3-15	A	Solid	3550B	
720-11551-21	SB-3-25	A	Solid	3550B	
720-11551-24	SB-4-10	A	Solid	3550B	
720-11551-25	SB-4-15	A	Solid	3550B	
720-11551-26	SB-4-20	A	Solid	3550B	
720-11551-28	SB-4-24	A	Solid	3550B	
720-11551-31	SB-5-5	A	Solid	3550B	
720-11551-32	SB-5-10	A	Solid	3550B	
720-11551-34	SB-5-20	A	Solid	3550B	
720-11551-35	SB-5-25	A	Solid	3550B	

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-28390					
LCS 720-28236/2-A	Lab Control Spike	A	Solid	8015B	720-28236
LCSD 720-28236/3-A	Lab Control Spike Duplicate	A	Solid	8015B	720-28236
MB 720-28236/1-A	Method Blank	A	Solid	8015B	720-28236
720-11551-2	SB-1-5	A	Solid	8015B	720-28236
720-11551-3	SB-1-10	A	Solid	8015B	720-28236
720-11551-3MS	Matrix Spike	A	Solid	8015B	720-28236
720-11551-3MSD	Matrix Spike Duplicate	A	Solid	8015B	720-28236
720-11551-5	SB-1-20	A	Solid	8015B	720-28236
720-11551-7	SB-1-28	A	Solid	8015B	720-28236
720-11551-9	SB-2-3	A	Solid	8015B	720-28236
720-11551-12	SB-2-15	A	Solid	8015B	720-28236
720-11551-13	SB-2-20	A	Solid	8015B	720-28236
720-11551-15	SB-2-25	A	Solid	8015B	720-28236
720-11551-17	SB-3-5	A	Solid	8015B	720-28236
720-11551-18	SB-3-10	A	Solid	8015B	720-28236
720-11551-19	SB-3-15	A	Solid	8015B	720-28236
720-11551-21	SB-3-25	A	Solid	8015B	720-28236
720-11551-24	SB-4-10	A	Solid	8015B	720-28236
720-11551-25	SB-4-15	A	Solid	8015B	720-28236
720-11551-26	SB-4-20	A	Solid	8015B	720-28236
720-11551-28	SB-4-24	A	Solid	8015B	720-28236
720-11551-31	SB-5-5	A	Solid	8015B	720-28236
720-11551-32	SB-5-10	A	Solid	8015B	720-28236
720-11551-34	SB-5-20	A	Solid	8015B	720-28236
720-11551-35	SB-5-25	A	Solid	8015B	720-28236

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-28176					
LCS 720-28176/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-28176/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
MB 720-28176/1-A	Method Blank	T	Solid	3050B	
720-11551-2	SB-1-5	T	Solid	3050B	
720-11551-3	SB-1-10	T	Solid	3050B	
720-11559-A-1-G MS	Matrix Spike	T	Solid	3050B	
720-11559-A-1-H MSD	Matrix Spike Duplicate	T	Solid	3050B	
Prep Batch: 720-28186					
LCS 720-28186/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 720-28186/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 720-28186/1-A	Method Blank	T	Solid	7471A	
720-11551-2	SB-1-5	T	Solid	7471A	
720-11551-3	SB-1-10	T	Solid	7471A	
720-11561-A-1-C MSD	Matrix Spike Duplicate	T	Solid	7471A	
Analysis Batch:720-28217					
LCS 720-28176/2-A	Lab Control Spike	T	Solid	6010B	720-28176
LCSD 720-28176/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-28176
MB 720-28176/1-A	Method Blank	T	Solid	6010B	720-28176
720-11551-2	SB-1-5	T	Solid	6010B	720-28176
720-11551-3	SB-1-10	T	Solid	6010B	720-28176
720-11559-A-1-G MS	Matrix Spike	T	Solid	6010B	720-28176
720-11559-A-1-H MSD	Matrix Spike Duplicate	T	Solid	6010B	720-28176
Analysis Batch:720-28219					
LCS 720-28186/2-A	Lab Control Spike	T	Solid	7471A	720-28186
LCSD 720-28186/3-A	Lab Control Spike Duplicate	T	Solid	7471A	720-28186
MB 720-28186/1-A	Method Blank	T	Solid	7471A	720-28186
720-11551-2	SB-1-5	T	Solid	7471A	720-28186
720-11551-3	SB-1-10	T	Solid	7471A	720-28186
720-11561-A-1-C MSD	Matrix Spike Duplicate	T	Solid	7471A	720-28186

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28183

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28183/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1209
Date Prepared: 11/05/2007 1036

Analysis Batch: 720-28195
Prep Batch: 720-28183
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethylbenzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
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Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	101	70 - 130	
1,2-Dichloroethane-d4 (Surr)	97	60 - 140	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28183**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28183/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1124
Date Prepared: 11/05/2007 1036

Analysis Batch: 720-28195
Prep Batch: 720-28183
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28183/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1146
Date Prepared: 11/05/2007 1036

Analysis Batch: 720-28195
Prep Batch: 720-28183
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	92	94	69 - 129	2	20		
Toluene	93	94	70 - 130	1	20		
Gasoline Range Organics (GRO)-C5-C12	68	69	60 - 130	2	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	98		99		70 - 130		
1,2-Dichloroethane-d4 (Surr)	106		94		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28183**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11589-A-18-B MS Analysis Batch: 720-28195
 Client Matrix: Solid Prep Batch: 720-28183
 Dilution: 1.0
 Date Analyzed: 11/05/2007 1822
 Date Prepared: 11/05/2007 1036

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\
 Initial Weight/Volume: 5.19 g
 Final Weight/Volume: 10.00 mL

MSD Lab Sample ID: 720-11589-A-18-C MSD Analysis Batch: 720-28195
 Client Matrix: Solid Prep Batch: 720-28183
 Dilution: 1.0
 Date Analyzed: 11/05/2007 1844
 Date Prepared: 11/05/2007 1036

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\
 Initial Weight/Volume: 5.13 g
 Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	23	54	69 - 129	17	20	F	F
Toluene	77	79	70 - 130	4	20		
Gasoline Range Organics (GRO)-C5-C12	794	645	60 - 130	3	20	4	4
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	113		111		70 - 130		
1,2-Dichloroethane-d4 (Surr)	117		120		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28242

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28242/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1723
Date Prepared: 11/06/2007 1221

Analysis Batch: 720-28333
Prep Batch: 720-28242
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethylbenzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
1,2-Dichloroethane-d4 (Surr)	100	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28242**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28242/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1638
Date Prepared: 11/06/2007 1221

Analysis Batch: 720-28333
Prep Batch: 720-28242
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28242/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1701
Date Prepared: 11/06/2007 1221

Analysis Batch: 720-28333
Prep Batch: 720-28242
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	94	69 - 129	4	20		
Toluene	95	97	70 - 130	1	20		
Gasoline Range Organics (GRO)-C5-C12	72	73	60 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		97		70 - 130		
1,2-Dichloroethane-d4 (Surr)	104		104		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28242**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11551-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1915
Date Prepared: 11/06/2007 1221

Analysis Batch: 720-28333
Prep Batch: 720-28242

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.15 g
Final Weight/Volume: 10.00 mL

MSD Lab Sample ID: 720-11551-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1937
Date Prepared: 11/06/2007 1221

Analysis Batch: 720-28333
Prep Batch: 720-28242

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.24 g
Final Weight/Volume: 10.00 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	93	90	69 - 129	6	20		
Toluene	94	88	70 - 130	8	20		
Gasoline Range Organics (GRO)-C5-C12	74	65	60 - 130	14	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		98		70 - 130		
1,2-Dichloroethane-d4 (Surr)	101		87		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28328

Lab Sample ID: MB 720-28328/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/03/2007 1434
 Date Prepared: 11/03/2007 0954

Analysis Batch: 720-28205
 Prep Batch: 720-28328
 Units: mg/Kg

**Method: 8260B
 Preparation: 5030B**

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethylbenzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	102	60 - 140

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28328**

**Method: 8260B
 Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28328/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/03/2007 1348
 Date Prepared: 11/03/2007 0954

Analysis Batch: 720-28205
 Prep Batch: 720-28328
 Units: mg/Kg

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28328/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/03/2007 1411
 Date Prepared: 11/03/2007 0954

Analysis Batch: 720-28205
 Prep Batch: 720-28328
 Units: mg/Kg

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	95	88	69 - 129	7	20		
Toluene	94	91	70 - 130	3	20		
Gasoline Range Organics (GRO)-C5-C12	69	66	60 - 130	6	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	97		98		70 - 130		
1,2-Dichloroethane-d4 (Surr)	97		91		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28328**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11547-A-1-G MS Analysis Batch: 720-28205
 Client Matrix: Solid Prep Batch: 720-28328
 Dilution: 1.0
 Date Analyzed: 11/03/2007 1742
 Date Prepared: 11/03/2007 0954

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\
 Initial Weight/Volume: 5.11 g
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-11547-A-1-H MSD Analysis Batch: 720-28205
 Client Matrix: Solid Prep Batch: 720-28328
 Dilution: 1.0
 Date Analyzed: 11/03/2007 1805
 Date Prepared: 11/03/2007 0954

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\
 Initial Weight/Volume: 5.09 g
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	84	80	69 - 129	4	20		
Toluene	87	79	70 - 130	9	20		
Gasoline Range Organics (GRO)-C5-C12	63	55	60 - 130	11	20		F
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	97		97		70 - 130		
1,2-Dichloroethane-d4 (Surr)	96		82		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28353

Lab Sample ID: MB 720-28353/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1403
 Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
 Prep Batch: 720-28353
 Units: mg/Kg

**Method: 8260B
 Preparation: 5030B**

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethylbenzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	97	60 - 140

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28353**

**Method: 8260B
 Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28353/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1258
 Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
 Prep Batch: 720-28353
 Units: mg/Kg

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28353/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1328
 Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
 Prep Batch: 720-28353
 Units: mg/Kg

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	96	69 - 129	3	20		
Toluene	103	98	70 - 130	5	20		
Gasoline Range Organics (GRO)-C5-C12	75	73	60 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		99		70 - 130		
1,2-Dichloroethane-d4 (Surr)	84		114		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28373

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28373/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/03/2007 1343
Date Prepared: 11/03/2007 0810

Analysis Batch: 720-28375
Prep Batch: 720-28373
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Ethylbenzene	ND		1.0
Toluene	ND		1.0
Xylenes, Total	ND		2.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	125	50 - 130
1,2-Dichloroethane-d4 (Surr)	112	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28373**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28373/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/03/2007 1256
Date Prepared: 11/03/2007 0810

Analysis Batch: 720-28375
Prep Batch: 720-28373
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28373/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/03/2007 1320
Date Prepared: 11/03/2007 0810

Analysis Batch: 720-28375
Prep Batch: 720-28373
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	111	106	69 - 129	5	20		
Toluene	115	114	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	116		104		50 - 130		
1,2-Dichloroethane-d4 (Surr)	97		87		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28236

Lab Sample ID: MB 720-28236/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1015
 Date Prepared: 11/06/2007 1146

Analysis Batch: 720-28390
 Prep Batch: 720-28236
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 30.29 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	85		41 - 105

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28236**

LCS Lab Sample ID: LCS 720-28236/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1041
 Date Prepared: 11/06/2007 1146

Analysis Batch: 720-28390
 Prep Batch: 720-28236
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 30.15 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-28236/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1107
 Date Prepared: 11/06/2007 1146

Analysis Batch: 720-28390
 Prep Batch: 720-28236
 Units: mg/Kg

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 30.43 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	69	68	50 - 130	2	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		88	81			41 - 105	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28236**

**Method: 8015B
Preparation: 3550B
Silica Gel Cleanup**

MS Lab Sample ID: 720-11551-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1250
Date Prepared: 11/06/2007 1146

Analysis Batch: 720-28390
Prep Batch: 720-28236

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 720-11551-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1316
Date Prepared: 11/06/2007 1146

Analysis Batch: 720-28390
Prep Batch: 720-28236

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	46	43	50 - 130	5	30	F	F
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
p-Terphenyl		67	64			41 - 105	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28176

Lab Sample ID: MB 720-28176/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1850
Date Prepared: 11/05/2007 0800

Analysis Batch: 720-28217
Prep Batch: 720-28176
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	ND		2.0
Arsenic	ND		1.0
Barium	ND		1.0
Beryllium	ND		0.50
Cadmium	ND		0.50
Chromium	ND		1.0
Cobalt	ND		1.0
Copper	ND		1.0
Lead	ND		1.0
Molybdenum	ND		1.0
Nickel	ND		1.0
Selenium	ND		2.0
Silver	ND		1.0
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28176**

**Method: 6010B
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-28176/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1853
Date Prepared: 11/05/2007 0800

Analysis Batch: 720-28217
Prep Batch: 720-28176
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-28176/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1857
Date Prepared: 11/05/2007 0800

Analysis Batch: 720-28217
Prep Batch: 720-28176
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Antimony	86	85	80 - 120	0	20		
Arsenic	89	88	80 - 120	1	20		
Barium	82	82	80 - 120	1	20		
Beryllium	88	87	80 - 120	1	20		
Cadmium	86	85	80 - 120	1	20		
Chromium	88	87	80 - 120	1	20		
Cobalt	87	87	80 - 120	1	20		
Copper	91	90	80 - 120	1	20		
Lead	85	84	80 - 120	1	20		
Molybdenum	90	89	80 - 120	1	20		
Nickel	85	84	80 - 120	1	20		
Selenium	90	89	80 - 120	1	20		
Silver	91	90	80 - 120	1	20		
Thallium	86	85	80 - 120	1	20		
Vanadium	88	87	80 - 120	1	20		
Zinc	86	85	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28176**

**Method: 6010B
Preparation: 3050B**

MS Lab Sample ID: 720-11559-A-1-G MS Analysis Batch: 720-28217
Client Matrix: Solid Prep Batch: 720-28176
Dilution: 1.0
Date Analyzed: 11/05/2007 1901
Date Prepared: 11/05/2007 0800

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-11559-A-1-H MSD Analysis Batch: 720-28217
Client Matrix: Solid Prep Batch: 720-28176
Dilution: 1.0
Date Analyzed: 11/05/2007 1905
Date Prepared: 11/05/2007 0800

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	16	16	75 - 125	5	20	F	F
Arsenic	69	69	75 - 125	2	20	F	F
Barium	63	66	75 - 125	4	20	F	F
Beryllium	71	71	75 - 125	2	20	F	F
Cadmium	64	63	75 - 125	1	20	F	F
Chromium	67	67	75 - 125	2	20	F	F
Cobalt	65	65	75 - 125	1	20	F	F
Copper	74	74	75 - 125	2	20	F	F
Lead	63	62	75 - 125	1	20	F	F
Molybdenum	55	56	75 - 125	3	20	F	F
Nickel	63	63	75 - 125	1	20	F	F
Selenium	69	69	75 - 125	2	20	F	F
Silver	75	75	75 - 125	2	20		
Thallium	63	63	75 - 125	2	20	F	F
Vanadium	64	65	75 - 125	3	20	F	F
Zinc	62	62	75 - 125	1	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11551-2

Method Blank - Batch: 720-28186

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-28186/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1637
Date Prepared: 11/05/2007 1109

Analysis Batch: 720-28219
Prep Batch: 720-28186
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28186**

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-28186/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1638
Date Prepared: 11/05/2007 1109

Analysis Batch: 720-28219
Prep Batch: 720-28186
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-28186/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/05/2007 1640
Date Prepared: 11/05/2007 1109

Analysis Batch: 720-28219
Prep Batch: 720-28186
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	100	100	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds			Site Contact: Nathan Colton			Date: 10/31/07		COC No: 2		
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326			Lab Contact:			Carrier:		1 of 7 COCs		
3451-C Vincent Road		Analysis Turnaround Time			Filtered Sample TPHg & VOCs 8260B Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup H-10					Job No. 01-ABI-001		
Pleasant Hill, California		Calendar (C) or Work Days (W)										
(925) 944-2856 x326 Phone		TAT if different from Below _____										
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day										
Project Name: AB&I Foundry												
Site: AB&I Foundry										SDG No.		
P O # 01-ABI-001/T5										Sample Specific Notes:		
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.						
1	SB-1-2	10/30/07	920	gs	Soil	1						X
2	SB-1-5		925									
3	SB-1-10		940									
4	SB-1-15		950									
5	SB-1-20		1002									
6	SB-1-25		1010									
7	SB-1-28		1022									
8	SB-1-6W24.5		1030	GW	GW	7	X				XX	
9	SB-2-3		1135		Soil	1						X
10	SB-2-5		1130									
11	SB-2-10		1140									
12	SB-2-15		1150									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format												
Temp. 2.0°C												
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:							
J. W. Co	SGI	10/31/07 1645	J. W. Co	W. Co	10/31/07 1645							
F. J. W. Co	WORLD 10	10/31/07 1755	J. W. Co	TAL-SF	10/31/07 1755							
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:							

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No: 4															
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		2 of 4 COCs															
3451-C Vincent Road		Analysis Turnaround Time		Filtered Sample TPHg & VOCs 8260B Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup H-10				Job No. 01-ABI-001															
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.															
(925) 944-2856 x326 Phone		TAT if different from Below _____						Sample Specific Notes:															
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																					
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																					
Site: AB&I Foundry		<input type="checkbox"/> 2 days																					
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																					
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.																		
13 SB-2-20	10/31/07	1200	Grab	S-1	1																		
14 SB-2-20		1200																					
15 SB-2-25		1210																					
16 SB-3-3		1350																					
17 SB-3-5		1345																					
18 SB-3-10		1355																					
19 SB-3-15		1358																					
20 SB-3-20		1400																					
21 SB-3-25		1410																					
22 SB-4-3		1435																					
23 SB-4-5		1436																					
24 SB-4-10		1440																					
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other																							
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																		
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																							
Relinquished by: <i>W. Williams</i>				Company: <i>SGI</i>				Date/Time: <i>10/21/07 1600</i>				Received by: <i>F. J. Martinez</i>				Company: <i>W. Couric</i>				Date/Time: <i>10/31/07 1643</i>			
Relinquished by: <i>F. J. Martinez</i>				Company: <i>W. Couric</i>				Date/Time: <i>10/31/07</i>				Received by: <i>F. Bull</i>				Company: <i>TAL-SF</i>				Date/Time: <i>10/31/07 1755</i>			
Relinquished by:				Company:				Date/Time:				Received by:				Company:				Date/Time:			

Chain of Custody Record

720-11551

STL

107925

Severn Trent Laboratories, Inc.

Client Contact The Source Group, Inc. 3451-C Vincent Road Pleasant Hill, California (925) 944-2856 x326 Phone (925) 944-2859 FAX Project Name: AB&I Foundry Site: AB&I Foundry P O # 01-ABI-001/T5		Project Manager: Kent Reynolds Tel/Fax:(925) 944-2856 x326		Site Contact: Nathan Colton Lab Contact:		Date:	COC No: 5
Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Carrier:		Job No. 01-ABI-001		SDG No.	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Sample Specific Notes:
25	SB-4-15	11/30	1446	Grab	S-1	1	X
26	SB-4-20	↓	1500	↓	↓	↓	X
27	SB-94-10	↓	1440	↓	↓	↓	X
28	SB-4-24	↓	1510	↓	↓	↓	X
29	Equipment Blank 1	11/21	915	Grab	Water	6	X
30	SB-5-3	↓	812	Grab	S-1	1	X
31	SB-5-5	↓	810	↓	↓	↓	↓
32	SB-5-10	↓	816	↓	↓	↓	↓
33	SB-5-15	↓	825	↓	↓	↓	↓
34	SB-5-20	↓	830	↓	↓	↓	↓
35	SB-5-25	↓	835	↓	↓	↓	↓
36	SB-6-5	↓	930	↓	↓	↓	↓
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format							
Relinquished by: <i>W. Wilson</i>	Company: SGI	Date/Time: 10/31/07 1643	Received by: <i>F. Simola</i>	Company: W. COOK	Date/Time: 10/31/07	Date/Time: 10/31/07	
Relinquished by: <i>F. Simola</i>	Company: W. COOK	Date/Time: 10/31/07	Received by: <i>Jim Baker</i>	Company: TAL-SF	Date/Time: 10/31/07 1800	Date/Time: 10/31/07 1800	
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	Date/Time:	

Chain of Custody Record

720-11551

107925

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No: 6											
The Source Group, Inc.		Tel/Fax: (925) 944-2856 x326		Lab Contact:		Carrier:		4 of 4 COCs											
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001											
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.											
(925) 944-2856 x326 Phone		TAT if different from Below																	
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																	
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																	
Site: AB&I Foundry		<input type="checkbox"/> 2 days																	
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPHlg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Hold	Sample Specific Notes:	
37	SB-6-10	10/31	926	Grab	S.1	1													
38	SB-6-15	10/31	940	Grab	S.7	1													
39	SB-6-GW23		1120	Grab	GW	7	X							XX					
40	SB-7-GW17		1200		GW	7	X							XX					
41	SB-7-GW17		1200		GW	7	X							XX					
42	SB-7-5		1104		S.1	1											X		
43	SB-7-15		1120		S.1	1											X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																			
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Relinquished by:		Company:		Date/Time:		Received by:	
M. M. Co		SGI		10/31/07 1800		F. SIMON		W. COOK		10/31/07		F. SIMON		W. COOK		10/31/07 1800		F. SIMON	
F. SIMON		W. COOK		10/31/07		F. SIMON		W. COOK		10/31/07		F. SIMON		W. COOK		10/31/07		F. SIMON	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Relinquished by:		Company:		Date/Time:		Received by:	

STL San Francisco
120 Quarry Lane

720-11551

Chain of Custody Record

STL
107925

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No 2															
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		1 of 7 COCs															
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001															
Pleasant Hill, California		Calendar (C) or Work Days (W)																					
(925) 944-2856 x326 Phone		TAT if different from Below																					
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																					
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																					
Site: AB&I Foundry		<input type="checkbox"/> 2 days																					
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																					
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	111Hg & YDCs 92603B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Sample Specific Notes						
1	SB-1-2	10/30/07	920	gnb	Soil	1																	
2	SB-1-5		925																				
3	SB-1-10		940																				
4	SB-1-15		950																				
5	SB-1-20		1002																				
6	SB-1-25		1010																				
7	SB-1-28		1022																				
8	SB-1-6W24.5		1030		CW	7	X																
9	SB-2-3		1135		Soil	1																	
10	SB-2-5		1130																				
11	SB-2-10		1140																				
12	SB-2-15		1150																				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
Possible Hazard Identification										Return To Client													
<input type="checkbox"/> Non-Hazard										<input type="checkbox"/> Disposal By Lab													
<input type="checkbox"/> Flammable										<input type="checkbox"/> Archive For _____ Months													
<input type="checkbox"/> Skin Irritant																							
<input type="checkbox"/> Poison B																							
<input type="checkbox"/> Unknown																							
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																							
Temp. 2.0°C																							
Relinquished by: JLR WLG				Company: SGI				Date/Time: 10/31/07 1022				Received by: J. WENDEL				Company: W COOR				Date/Time: 10/31/07 1045			
Relinquished by: J. WENDEL				Company: WORLD 105				Date/Time: 10/31/07 1155				Received by: J. Bullock				Company: TAL-SF				Date/Time: 10/31/07 1755			
Relinquished by:				Company:				Date/Time:				Received by:				Company:				Date/Time:			

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Chain of Custody Record

720-11551

STL
107925

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Lab Contact: Nathan Colton		Date: 10/31/07		COC No. 6			
The Source Group, Inc.		Tel/Fax: (925) 944-2856 x326		Lab Contact:		Carrier:		4 of 4 COCs			
3451-C Vincent Road		Analysis Turnaround Time								Job No. 01-ABI-001	
Pleasant Hill, California		Calendar (C) or Work Days (W)								SDG No	
(925) 944-2856 x326 Phone		TAT if different from Below								Sample Specific Notes:	
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Project Name: AB&I Foundry											
Site: AB&I Foundry											
P O # 01-ABI-001/T5											

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont	TPHig & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHid 8015M	Silica Gel Cleanup	PHid	TPHs/BTEX (8260)	5 Fuel Olys	Sample Specific Notes:
37 SB-6-10	10/31	926	Grnd	S-1	1										X			
38 SB-6-15	10/31	940	Grnd	S-1	1										X			
39 SB-6-GW23		1120	Grnd	GW	7	X							XX		X			
40 SB-7-6W17		1200		GW	7	X							XX		X			
41 CB-7-6W17		1200		GW	7	X							XX					
42 SB-7-5		1104		S-1	1										X			
43 SB-7-15	✓	1120	✓	S-1	1										X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format

Relinquished by: <i>210 in Co</i>	Company: <i>SGE</i>	Date/Time: <i>10/31/07 11:00</i>	Received by: <i>F. J. J. J.</i>	Company: <i>W. COORL</i>	Date/Time: <i>10/31/07</i>
Relinquished by: <i>F. J. J. J.</i>	Company: <i>W. COORL</i>	Date/Time: <i>10/31/07</i>	Received by: <i>F. J. J. J.</i>	Company: <i>TAL-57</i>	Date/Time: <i>10/31/07 1800</i>
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11551-2

Login Number: 11551
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11552-1

Job Description: AB&I Foundry

For:

The Source Group

3451-C Vincent Road

Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/08/2007

Job Narrative
720-J11552-1

Comments

No additional comments.

Receipt

There are 2 SB-10-25 on COC with 2 different times. Only received the 1 at 15:05--deleted the one at 15:10.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11552-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11552-3	SB-8-GW 17				
Gasoline Range Organics (GRO)-C5-C12		19000	2500	ug/L	8260B
n-Butylbenzene		38	10	ug/L	8260B
sec-Butylbenzene		22	10	ug/L	8260B
Ethylbenzene		22	5.0	ug/L	8260B
Isopropylbenzene		90	5.0	ug/L	8260B
4-Isopropyltoluene		21	10	ug/L	8260B
Naphthalene		15	10	ug/L	8260B
N-Propylbenzene		60	10	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		6100	50	ug/L	8015B
720-11552-4	SB-9-GW 17				
Benzene		25	0.50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		11000	2500	ug/L	8260B
n-Butylbenzene		2.5	1.0	ug/L	8260B
sec-Butylbenzene		2.2	1.0	ug/L	8260B
2-Chlorotoluene		7.2	0.50	ug/L	8260B
4-Chlorotoluene		4.0	0.50	ug/L	8260B
1,2-Dichlorobenzene		1.5	0.50	ug/L	8260B
Ethylbenzene		4.3	0.50	ug/L	8260B
Isopropylbenzene		14	0.50	ug/L	8260B
Naphthalene		2.7	1.0	ug/L	8260B
N-Propylbenzene		1.7	1.0	ug/L	8260B
Toluene		9.8	0.50	ug/L	8260B
Trichloroethene		2.1	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		6.6	0.50	ug/L	8260B
1,3,5-Trimethylbenzene		2.0	0.50	ug/L	8260B
Xylenes, Total		25	1.0	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		27000	1000	ug/L	8015B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11552-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11552-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11552-3	SB-8-GW 17	Water	10/31/2007 1330	10/31/2007 1800
720-11552-4	SB-9-GW 17	Water	10/31/2007 1410	10/31/2007 1800
720-11552-15TB	TRIP BLANK TAL-SF-TB:102007	Water	10/31/2007 0000	10/31/2007 1800
720-11552-16EB	EQUIPMENT BLANK 2	Water	10/31/2007 1600	10/31/2007 1800

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-8-GW 17

Lab Sample ID: 720-11552-3
Client Matrix: Water

Date Sampled: 10/31/2007 1330
Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28335 Instrument ID: Saturn 2K3
Preparation: 5030B Lab File ID: d:\data\200711\110707\sa-
Dilution: 10 Initial Weight/Volume: 40 mL
Date Analyzed: 11/07/2007 1335 Final Weight/Volume: 40 mL
Date Prepared: 11/07/2007 1335

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		50
Acetone	ND		500
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		10
Chlorobromomethane	ND		10
Bromoform	ND		10
Bromomethane	ND		10
2-Butanone (MEK)	ND		500
n-Butylbenzene	38		10
sec-Butylbenzene	22		10
tert-Butylbenzene	ND		10
Carbon disulfide	ND		50
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		10
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		10
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		10
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		5.0
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	22		5.0
Hexachlorobutadiene	ND		10
2-Hexanone	ND		500
Isopropylbenzene	90		5.0
4-Isopropyltoluene	21		10
Methylene Chloride	ND		50

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-8-GW 17

Lab Sample ID: 720-11552-3
 Client Matrix: Water

Date Sampled: 10/31/2007 1330
 Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28335	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110707\sa-
Dilution:	10		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 1335		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 1335		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		500
Naphthalene	15		10
N-Propylbenzene	60		10
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		10
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		10
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		500
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	112		83 - 127
1,2-Dichloroethane-d4 (Surr)	104		86 - 129
Toluene-d8 (Surr)	98		82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-8-GW 17

Lab Sample ID: 720-11552-3
Client Matrix: Water

Date Sampled: 10/31/2007 1330
Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28336 Instrument ID: Saturn 2100
Preparation: 5030B Lab File ID: d:\data\200711\110707\sa-
Dilution: 50 Initial Weight/Volume: 10 mL
Date Analyzed: 11/07/2007 1443 Final Weight/Volume: 10 mL
Date Prepared: 11/07/2007 1443

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		25
TAME	ND		25
TBA	ND		250
DIPE	ND		50
Gasoline Range Organics (GRO)-C5-C12	19000		2500
Ethyl tert-butyl ether	ND		25
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		73 - 130
Toluene-d8 (Surr)	95		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-9-GW 17

Lab Sample ID: 720-11552-4
Client Matrix: Water

Date Sampled: 10/31/2007 1410
Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28335	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110707\sa-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 1301		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 1301		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	25		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	2.5		1.0
sec-Butylbenzene	2.2		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	7.2		0.50
4-Chlorotoluene	4.0		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	1.5		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	4.3		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	14		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-9-GW 17

Lab Sample ID: 720-11552-4
 Client Matrix: Water

Date Sampled: 10/31/2007 1410
 Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28335	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110707\sa-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/07/2007 1301		Final Weight/Volume: 40 mL
Date Prepared:	11/07/2007 1301		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	2.7		1.0
N-Propylbenzene	1.7		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	9.8		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	2.1		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	6.6		0.50
1,3,5-Trimethylbenzene	2.0		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	25		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	111	83 - 127	
1,2-Dichloroethane-d4 (Surr)	107	86 - 129	
Toluene-d8 (Surr)	100	82 - 126	

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-9-GW 17

Lab Sample ID: 720-11552-4

Client Matrix: Water

Date Sampled: 10/31/2007 1410

Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28336

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: d:\data\200711\110707\sa-

Dilution: 50

Initial Weight/Volume: 10 mL

Date Analyzed: 11/07/2007 1509

Final Weight/Volume: 10 mL

Date Prepared: 11/07/2007 1509

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		25
TAME	ND		25
TBA	ND		250
DIPE	ND		50
Gasoline Range Organics (GRO)-C5-C12	11000		2500
Ethyl tert-butyl ether	ND		25
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		73 - 130
Toluene-d8 (Surr)	94		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: TRIP BLANK TAL-SF-TB:102007

Lab Sample ID: 720-11552-15TB
Client Matrix: Water

Date Sampled: 10/31/2007 0000
Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28286 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/06/2007 1417 Final Weight/Volume: 40 mL
Date Prepared: 11/06/2007 1417

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: TRIP BLANK TAL-SF-TB:102007

Lab Sample ID: 720-11552-15TB
 Client Matrix: Water

Date Sampled: 10/31/2007 0000
 Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28286	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/06/2007 1417		Final Weight/Volume: 40 mL
Date Prepared:	11/06/2007 1417		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	83 - 127
1,2-Dichloroethane-d4 (Surr)	111	86 - 129
Toluene-d8 (Surr)	104	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: EQUIPMENT BLANK 2

Lab Sample ID: 720-11552-16EB
Client Matrix: Water

Date Sampled: 10/31/2007 1600
Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28286 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/06/2007 1451 Final Weight/Volume: 40 mL
Date Prepared: 11/06/2007 1451

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: EQUIPMENT BLANK 2

Lab Sample ID: 720-11552-16EB
 Client Matrix: Water

Date Sampled: 10/31/2007 1600
 Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28286	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/06/2007 1451		Final Weight/Volume: 40 mL
Date Prepared:	11/06/2007 1451		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	83 - 127
1,2-Dichloroethane-d4 (Surr)	103	86 - 129
Toluene-d8 (Surr)	103	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: EQUIPMENT BLANK 2

Lab Sample ID: 720-11552-16EB

Date Sampled: 10/31/2007 1600

Client Matrix: Water

Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28317

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: d:\data\200711\110607\sa-

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/06/2007 1310

Final Weight/Volume: 10 mL

Date Prepared: 11/06/2007 1310

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		73 - 130
Toluene-d8 (Surr)	99		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: SB-8-GW 17

Lab Sample ID: 720-11552-3

Date Sampled: 10/31/2007 1330

Client Matrix: Water

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/06/2007 1828		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	6100		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	82	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11552-1

Client Sample ID: **SB-9-GW 17**

Lab Sample ID: 720-11552-4

Date Sampled: 10/31/2007 1410

Client Matrix: Water

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	20		Initial Weight/Volume: 250 mL
Date Analyzed:	11/07/2007 1055		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	27000		1000
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 130

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11552-1

Lab Section	Qualifier	Description
GC Semi VOA	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28286					
LCS 720-28286/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28286/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28286/3	Method Blank	T	Water	8260B	
720-11552-15TB	TRIP BLANK TAL-SF-TB:102007	T	Water	8260B	
720-11552-16EB	EQUIPMENT BLANK 2	T	Water	8260B	
Analysis Batch:720-28317					
LCS 720-28317/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28317/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28317/3	Method Blank	T	Water	8260B	
720-11552-16EB	EQUIPMENT BLANK 2	T	Water	8260B	
Analysis Batch:720-28335					
LCS 720-28335/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28335/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28335/3	Method Blank	T	Water	8260B	
720-11552-3	SB-8-GW 17	T	Water	8260B	
720-11552-4	SB-9-GW 17	T	Water	8260B	
Analysis Batch:720-28336					
LCS 720-28336/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28336/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28336/3	Method Blank	T	Water	8260B	
720-11552-3	SB-8-GW 17	T	Water	8260B	
720-11552-4	SB-9-GW 17	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-28194					
LCS 720-28194/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-28194/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-28194/1-A	Method Blank	A	Water	3510C SGC	
720-11552-3	SB-8-GW 17	A	Water	3510C SGC	
720-11552-4	SB-9-GW 17	A	Water	3510C SGC	
Analysis Batch:720-28325					
LCS 720-28194/2-A	Lab Control Spike	A	Water	8015B	720-28194
LCSD 720-28194/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-28194
MB 720-28194/1-A	Method Blank	A	Water	8015B	720-28194
720-11552-3	SB-8-GW 17	A	Water	8015B	720-28194
720-11552-4	SB-9-GW 17	A	Water	8015B	720-28194

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28286

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28286/3

Analysis Batch: 720-28286

Instrument ID: Varian 3900G

Client Matrix: Water

Prep Batch: N/A

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 11/06/2007 1057

Final Weight/Volume: 40 mL

Date Prepared: 11/06/2007 1057

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28286

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28286/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1057
Date Prepared: 11/06/2007 1057

Analysis Batch: 720-28286
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\11'
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	109	83 - 127	
1,2-Dichloroethane-d4 (Surr)	106	86 - 129	
Toluene-d8 (Surr)	102	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28286**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28286/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 0950
Date Prepared: 11/06/2007 0950

Analysis Batch: 720-28286
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200711\110
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28286/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1024
Date Prepared: 11/06/2007 1024

Analysis Batch: 720-28286
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200711\110
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	98	95	69 - 129	3	20		
Chlorobenzene	103	100	61 - 121	3	20		
1,1-Dichloroethene	107	104	65 - 125	3	20		
Toluene	100	95	70 - 130	5	20		
Trichloroethene	94	91	74 - 134	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	110		106		83 - 127		
1,2-Dichloroethane-d4 (Surr)	103		106		86 - 129		
Toluene-d8 (Surr)	102		99		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28317

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28317/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1112
Date Prepared: 11/06/2007 1112

Analysis Batch: 720-28317
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110607\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
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Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	104	73 - 130	
Toluene-d8 (Surr)	99	77 - 121	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28317**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28317/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1019
Date Prepared: 11/06/2007 1019

Analysis Batch: 720-28317
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110607\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28317/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/06/2007 1045
Date Prepared: 11/06/2007 1045

Analysis Batch: 720-28317
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110607\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	97	69 - 129	6	20		
Toluene	98	95	70 - 130	2	20		
Gasoline Range Organics (GRO)-C5-C12	68	66	60 - 130	2	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	86		89		73 - 130		
Toluene-d8 (Surr)	96		96		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28335

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28335/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1033
Date Prepared: 11/07/2007 1033

Analysis Batch: 720-28335
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110707\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28335

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28335/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1033
Date Prepared: 11/07/2007 1033

Analysis Batch: 720-28335
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110707\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	114	83 - 127	
1,2-Dichloroethane-d4 (Surr)	98	86 - 129	
Toluene-d8 (Surr)	97	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28335**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28335/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 0927
Date Prepared: 11/07/2007 0927

Analysis Batch: 720-28335
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110707\LS-
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28335/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1000
Date Prepared: 11/07/2007 1000

Analysis Batch: 720-28335
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110707\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	91	88	69 - 129	3	20		
Chlorobenzene	105	107	61 - 121	2	20		
1,1-Dichloroethene	87	89	65 - 125	3	20		
Toluene	90	84	70 - 130	6	20		
Trichloroethene	86	84	74 - 134	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	108		112		83 - 127		
1,2-Dichloroethane-d4 (Surr)	93		92		86 - 129		
Toluene-d8 (Surr)	92		93		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28336

Lab Sample ID: MB 720-28336/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1133
Date Prepared: 11/07/2007 1133

Analysis Batch: 720-28336
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110707\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	102	73 - 130	
Toluene-d8 (Surr)	98	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28336**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28336/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1029
Date Prepared: 11/07/2007 1029

Analysis Batch: 720-28336
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110707\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28336/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/07/2007 1055
Date Prepared: 11/07/2007 1055

Analysis Batch: 720-28336
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\110707\ld-w
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	104	69 - 129	5	20		
Toluene	96	99	70 - 130	3	20		
MTBE	109	115	65 - 165	5	20		
Gasoline Range Organics (GRO)-C5-C12	69	73	60 - 130	6	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	94		98		73 - 130		
Toluene-d8 (Surr)	94		95		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-1

Method Blank - Batch: 720-28194

Lab Sample ID: MB 720-28194/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1318
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	78		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28194**

LCS Lab Sample ID: LCS 720-28194/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1344
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-28194/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1436
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	65	63	50 - 130	3	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		77	75			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

720-11552

STL

107926

Severn Trent Laboratories, Inc.

Client Contact The Source Group, Inc. 3451-C Vincent Road Pleasant Hill, California (925) 944-2856 x326 Phone (925) 944-2859 FAX Project Name: AB&I Foundry Site: AB&I Foundry P O # 01-ABI-001/T5		Project Manager: Kent Reynolds Tel/Fax:(925) 944-2856 x326		Site Contact: Nathan Colton Lab Contact:		Date: 10/31/07 Carrier:		COC No: 7 1 of 2 COCs Job No. 01-ABI-001 SDG No. Sample Specific Notes:													
Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Date		Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample TPHg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHg 8015M	Silica Gel Cleanup	Field				
1	SB-8-15	10/31/07	1305	GW	Soil	1															
2	SB-8-20		135		Soil	1															
3	SB-8-6W17		1330	GW	Soil	7	X							X	X						
4	SB-9-6W17		1410	GW	Soil	7	X							X	X						
5	SB-9-10		1350		Soil	1											X				
6	SB-9-15		1350																		
7	SB-10-3		1445																		
8	SB-10-5		1440																		
9	SB-10-10		1447																		
10	SB-10-15		1500																		
11	SB-10-20		1502																		
12	SB-10-25		1505																		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other		Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format															
Relinquished by: <i>W. W. G.</i>	Company: <i>SGI</i>	Date/Time: <i>10/31/07 1642</i>	Received by: <i>F. SIMON</i>	Company: <i>W. COULSON</i>	Date/Time: <i>10/31/07 1645</i>	Temp. 5.8°C															
Relinquished by: <i>F. SIMON</i>	Company: <i>WORLD</i>	Date/Time: <i>10/31/07 1520</i>	Received by: <i>Jim Buller</i>	Company: <i>TAL-SF</i>	Date/Time: <i>10/31/07 1800</i>																
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:																

Chain of Custody Record

720-11552

Client Contact		Project Manager: Kent Reynolds				Site Contact: Nathan Colton				Date: 10/31/07		COC No: 8																													
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326				Lab Contact:				Carrier:		2 of 2 COCs																													
3451-C Vincent Road		Analysis Turnaround Time				Filtered Sample		TPHg & VOCs 8260B		Alkalinity		Cl, NO3, SO4		Dissolved Mn & Pb		Ferrous Iron		Methane/ethane/ethene		Fatty acids		TPHg 8015M		Silica Gel Cleanup		H-10		Job No. 01-ABI-001													
Pleasant Hill, California		Calendar (C) or Work Days (W)																										SDG No.													
(925) 944-2856 x326 Phone		TAT if different from Below _____																										Sample Identification		Sample Date		Sample Time		Sample Type		Matrix		# of Cont.		Sample Specific Notes:	
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																										SB-10-25		10/31		1510		Grab		soil		1			
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																										SB-10-30		10/31		1538		Grab		soil		1			
Site: AB&I Foundry		<input type="checkbox"/> 2 days				Tip Blank TAL-SF TR: 10/2007		10/31		-		-		GW		2		X		VOCs only																					
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day				Equipment Blank 2		10/31		1600		Grav		W		6		X																							
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																																									
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown												<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																													
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																																									
Temp 5.8°C																																									
Relinquished by: [Signature]				Company: SGI				Date/Time: 10/31/07 1800				Received by: [Signature]				Company: [Signature]				Date/Time: 10/31/07 1600																					
Relinquished by: [Signature]				Company: W COO Rice				Date/Time: 10/31/07				Received by: [Signature]				Company: TAL-SF				Date/Time: 10/31/07 1800																					
Relinquished by:				Company:				Date/Time:				Received by:				Company:				Date/Time:																					

STL San Francisco

1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Chain of Custody Record

720-11552

STL

107926

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No. 7																					
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		1 of 2 COCs																					
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001																					
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.																					
(925) 944-2856 x326 Phone		TAT if different from Below						Sample Specific Notes																					
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																											
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																											
Site: AB&I Foundry		<input type="checkbox"/> 2 days																											
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																											
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TPHig & VOCs 8160B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Patty acids	TPHid 801SM	Silica Gel Cleanup	Heid	TPH ₂ /BTEX/826c	5 Fuel Oxy ₂												
1 SB-8-15	10/26/07	1305	GW	S-1	1								X	X	X	X													
2 SB-8-20		135		S-1	1								X	X	X	X													
3 SB-8-6W17		1330		GW	7	X							X	X		X													
4 SB-9-6W17		1410		GW	7	X							X	X		X													
5 SB-9-10		1350		S-1	1								X	X	X	X													
6 SB-9-15		1350											X	X		X													
7 SB-10-3		1445																											
8 SB-10-5		1440											X	X		X													
9 SB-10-10		1447											X	X		X													
10 SB-10-15		1500											X	X		X													
11 SB-10-20		1502											X	X		X													
12 SB-10-25		1505											X	X		X													
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
Possible Hazard Identification										Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown																													
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																													
Relinquished by: <i>W. M. G.</i>					Company: <i>SGI</i>					Date/Time: <i>10/31/07 1400</i>					Received by: <i>F. J. M. W.</i>					Company: <i>W. Colton</i>					Date/Time: <i>10/31/07 1645</i>				
Relinquished by: <i>F. J. M. W.</i>					Company: <i>WORLD</i>					Date/Time: <i>10/31/07</i>					Received by: <i>Jim Bull</i>					Company: <i>TAL-SF</i>					Date/Time: <i>10/31/07 1800</i>				
Relinquished by:					Company:					Date/Time:					Received by:					Company:					Date/Time:				

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11552-1

Login Number: 11552
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11552-2

Job Description: AB&I Foundry

For:

The Source Group

3451-C Vincent Road

Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/08/2007

Job Narrative
720-J11552-2

Comments

No additional comments.

Receipt

There are 2 SB-10-25 on COC with 2 different times. Only received the 1 at 15:05--deleted the one at 15:10.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Capric acid recovery for the following sample(s) was outside control limits: SB-10-15 (720-11552-10), SB-10-5 (720-11552-8), SB-9-10 (720-11552-5), SB-9-15 (720-11552-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11552-2

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11552-1	SB-8-15				
Gasoline Range Organics (GRO)-C5-C12		2.2	0.24	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		13	1.0	mg/Kg	8015B
720-11552-2	SB-8-20				
Gasoline Range Organics (GRO)-C5-C12		1.9	0.23	mg/Kg	8260B
720-11552-5	SB-9-10				
Gasoline Range Organics (GRO)-C5-C12		4.6	0.25	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		240	0.99	mg/Kg	8015B
720-11552-6	SB-9-15				
Gasoline Range Organics (GRO)-C5-C12		160	48	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		450	0.99	mg/Kg	8015B
720-11552-8	SB-10-5				
Gasoline Range Organics (GRO)-C5-C12		320	48	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		50	0.99	mg/Kg	8015B
720-11552-9	SB-10-10				
Ethylbenzene		1.4	0.95	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		450	48	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		38	0.99	mg/Kg	8015B
720-11552-10	SB-10-15				
Gasoline Range Organics (GRO)-C5-C12		330	47	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		82	1.0	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11552-2

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11552-11	SB-10-20				
Gasoline Range Organics (GRO)-C5-C12		5.4	0.24	mg/Kg	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		5.1	0.99	mg/Kg	8015B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11552-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Purge and Trap for Methanol Extractions	TAL SF		SW846 5030B
Purge and Trap for Solids	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11552-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11552-1	SB-8-15	Solid	10/31/2007 1305	10/31/2007 1800
720-11552-2	SB-8-20	Solid	10/31/2007 1315	10/31/2007 1800
720-11552-5	SB-9-10	Solid	10/31/2007 1350	10/31/2007 1800
720-11552-6	SB-9-15	Solid	10/31/2007 1350	10/31/2007 1800
720-11552-8	SB-10-5	Solid	10/31/2007 1440	10/31/2007 1800
720-11552-9	SB-10-10	Solid	10/31/2007 1447	10/31/2007 1800
720-11552-10	SB-10-15	Solid	10/31/2007 1500	10/31/2007 1800
720-11552-11	SB-10-20	Solid	10/31/2007 1502	10/31/2007 1800
720-11552-12	SB-10-25	Solid	10/31/2007 1505	10/31/2007 1800

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-9-15

Lab Sample ID: 720-11552-6

Date Sampled: 10/31/2007 1350

Client Matrix: Solid

Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28394	Instrument ID: Varian 3900E
Preparation:	5030B-Medium	Prep Batch: 720-28299	Lab File ID: c:\varianws\data\200711\11
Dilution:	200		Initial Weight/Volume: 5.22 g
Date Analyzed:	11/07/2007 1322		Final Weight/Volume: 10.00 mL
Date Prepared:	11/07/2007 1024		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.96
Ethylbenzene		ND		0.96
Toluene		ND		0.96
Xylenes, Total		ND		1.9
Gasoline Range Organics (GRO)-C5-C12		160		48
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		103		50 - 130
1,2-Dichloroethane-d4 (Surr)		92		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-10

Lab Sample ID: 720-11552-9

Date Sampled: 10/31/2007 1447

Client Matrix: Solid

Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	720-28394	Instrument ID:	Varian 3900E
Preparation:	5030B-Medium	Prep Batch:	720-28299	Lab File ID:	c:\varianws\data\200711\11
Dilution:	200			Initial Weight/Volume:	5.25 g
Date Analyzed:	11/07/2007 1409			Final Weight/Volume:	10.00 mL
Date Prepared:	11/07/2007 1024				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.95
Ethylbenzene		1.4		0.95
Toluene		ND		0.95
Xylenes, Total		ND		1.9
Gasoline Range Organics (GRO)-C5-C12		450		48

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	50 - 130
1,2-Dichloroethane-d4 (Surr)	85	60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-15

Lab Sample ID: 720-11552-10

Client Matrix: Solid

Date Sampled: 10/31/2007 1500

Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28394	Instrument ID: Varian 3900E
Preparation:	5030B-Medium	Prep Batch: 720-28299	Lab File ID: c:\varianws\data\200711\11
Dilution:	200		Initial Weight/Volume: 5.31 g
Date Analyzed:	11/07/2007 1433		Final Weight/Volume: 10.00 mL
Date Prepared:	11/07/2007 1024		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.94
Ethylbenzene		ND		0.94
Toluene		ND		0.94
Xylenes, Total		ND		1.9
Gasoline Range Organics (GRO)-C5-C12		330		47
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		102		50 - 130
1,2-Dichloroethane-d4 (Surr)		85		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-20

Lab Sample ID: 720-11552-11

Date Sampled: 10/31/2007 1502

Client Matrix: Solid

Date Received: 10/31/2007 1800

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	720-28374	Instrument ID:	Varian 3900A
Preparation:	5030B	Prep Batch:	720-28301	Lab File ID:	c:\saturday\data\200711\11
Dilution:	1.0			Initial Weight/Volume:	5.23 g
Date Analyzed:	11/07/2007 1353			Final Weight/Volume:	10.00 mL
Date Prepared:	11/07/2007 1028				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Ethylbenzene		ND		0.0048
Toluene		ND		0.0048
Xylenes, Total		ND		0.0096
Gasoline Range Organics (GRO)-C5-C12		5.4		0.24
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		103		70 - 130
1,2-Dichloroethane-d4 (Surr)		101		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-8-15

Lab Sample ID: 720-11552-1

Date Sampled: 10/31/2007 1305

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.10 g
Date Analyzed:	11/08/2007 1220		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		13		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	70	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-8-20

Lab Sample ID: 720-11552-2

Date Sampled: 10/31/2007 1315

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.13 g
Date Analyzed:	11/08/2007 1247		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	73	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-9-10

Lab Sample ID: 720-11552-5

Date Sampled: 10/31/2007 1350

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.23 g
Date Analyzed:	11/08/2007 1002		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		240		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		34	X	0 - 5
p-Terphenyl		60		41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-9-15

Lab Sample ID: 720-11552-6

Date Sampled: 10/31/2007 1350

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.30 g
Date Analyzed:	11/08/2007 1029		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		450		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		83	X	0 - 5
p-Terphenyl		64		41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-5

Lab Sample ID: 720-11552-8

Date Sampled: 10/31/2007 1440

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.18 g
Date Analyzed:	11/08/2007 1313		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		50		0.99

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	9	X	0 - 5
p-Terphenyl	68		41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-10

Lab Sample ID: 720-11552-9

Date Sampled: 10/31/2007 1447

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.36 g
Date Analyzed:	11/08/2007 1100		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		38		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	4	0 - 5
p-Terphenyl	84	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-15

Lab Sample ID: 720-11552-10

Date Sampled: 10/31/2007 1500

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.07 g
Date Analyzed:	11/08/2007 1126		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		82		1.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	14	X	0 - 5
p-Terphenyl	73		41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-20

Lab Sample ID: 720-11552-11

Date Sampled: 10/31/2007 1502

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.21 g
Date Analyzed:	11/08/2007 1153		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.1		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	84	41 - 105

Analytical Data

Client: The Source Group

Job Number: 720-11552-2

Client Sample ID: SB-10-25

Lab Sample ID: 720-11552-12

Date Sampled: 10/31/2007 1505

Client Matrix: Solid

Date Received: 10/31/2007 1800

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28378	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-28315	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.30 g
Date Analyzed:	11/08/2007 1220		Final Weight/Volume:	5 mL
Date Prepared:	11/07/2007 1253		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		89		41 - 105

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11552-2

Lab Section	Qualifier	Description
GC/MS VOA	F	MS or MSD exceeds the control limits
GC Semi VOA	X	Surrogate exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-28299					
LCS 720-28299/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28299/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28299/1-A	Method Blank	T	Solid	5030B	
720-11552-6	SB-9-15	T	Solid	5030B	
720-11552-8	SB-10-5	T	Solid	5030B	
720-11552-9	SB-10-10	T	Solid	5030B	
720-11552-10	SB-10-15	T	Solid	5030B	
Prep Batch: 720-28301					
LCS 720-28301/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28301/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28301/1-A	Method Blank	T	Solid	5030B	
720-11552-1	SB-8-15	T	Solid	5030B	
720-11552-2	SB-8-20	T	Solid	5030B	
720-11552-5	SB-9-10	T	Solid	5030B	
720-11552-11	SB-10-20	T	Solid	5030B	
720-11552-12	SB-10-25	T	Solid	5030B	
720-11622-A-1-M MS	Matrix Spike	T	Solid	5030B	
720-11622-A-1-N MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:720-28374					
LCS 720-28301/2-A	Lab Control Spike	T	Solid	8260B	720-28301
LCSD 720-28301/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28301
MB 720-28301/1-A	Method Blank	T	Solid	8260B	720-28301
720-11552-1	SB-8-15	T	Solid	8260B	720-28301
720-11552-2	SB-8-20	T	Solid	8260B	720-28301
720-11552-5	SB-9-10	T	Solid	8260B	720-28301
720-11552-11	SB-10-20	T	Solid	8260B	720-28301
720-11552-12	SB-10-25	T	Solid	8260B	720-28301
720-11622-A-1-M MS	Matrix Spike	T	Solid	8260B	720-28301
720-11622-A-1-N MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28301
Analysis Batch:720-28394					
LCS 720-28299/2-A	Lab Control Spike	T	Solid	8260B	720-28299
LCSD 720-28299/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28299
MB 720-28299/1-A	Method Blank	T	Solid	8260B	720-28299
720-11552-6	SB-9-15	T	Solid	8260B	720-28299
720-11552-8	SB-10-5	T	Solid	8260B	720-28299
720-11552-9	SB-10-10	T	Solid	8260B	720-28299
720-11552-10	SB-10-15	T	Solid	8260B	720-28299

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-28315					
LCS 720-28315/2-A	Lab Control Spike	A	Solid	3550B	
LCSD 720-28315/3-A	Lab Control Spike Duplicate	A	Solid	3550B	
MB 720-28315/1-A	Method Blank	A	Solid	3550B	
720-11552-1	SB-8-15	A	Solid	3550B	
720-11552-2	SB-8-20	A	Solid	3550B	
720-11552-5	SB-9-10	A	Solid	3550B	
720-11552-6	SB-9-15	A	Solid	3550B	
720-11552-8	SB-10-5	A	Solid	3550B	
720-11552-9	SB-10-10	A	Solid	3550B	
720-11552-10	SB-10-15	A	Solid	3550B	
720-11552-11	SB-10-20	A	Solid	3550B	
720-11552-12	SB-10-25	A	Solid	3550B	
720-11552-12MS	Matrix Spike	A	Solid	3550B	
720-11552-12MSD	Matrix Spike Duplicate	A	Solid	3550B	
Analysis Batch:720-28378					
LCS 720-28315/2-A	Lab Control Spike	A	Solid	8015B	720-28315
LCSD 720-28315/3-A	Lab Control Spike Duplicate	A	Solid	8015B	720-28315
MB 720-28315/1-A	Method Blank	A	Solid	8015B	720-28315
720-11552-1	SB-8-15	A	Solid	8015B	720-28315
720-11552-2	SB-8-20	A	Solid	8015B	720-28315
720-11552-5	SB-9-10	A	Solid	8015B	720-28315
720-11552-6	SB-9-15	A	Solid	8015B	720-28315
720-11552-8	SB-10-5	A	Solid	8015B	720-28315
720-11552-9	SB-10-10	A	Solid	8015B	720-28315
720-11552-10	SB-10-15	A	Solid	8015B	720-28315
720-11552-11	SB-10-20	A	Solid	8015B	720-28315
720-11552-12	SB-10-25	A	Solid	8015B	720-28315
720-11552-12MS	Matrix Spike	A	Solid	8015B	720-28315
720-11552-12MSD	Matrix Spike Duplicate	A	Solid	8015B	720-28315

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

Method Blank - Batch: 720-28299

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28299/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/07/2007 1213
Date Prepared: 11/07/2007 1024

Analysis Batch: 720-28394
Prep Batch: 720-28299
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Ethylbenzene	ND		1.0
Toluene	ND		1.0
Xylenes, Total	ND		2.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	111	50 - 130
1,2-Dichloroethane-d4 (Surr)	93	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28299**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28299/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/07/2007 1125
Date Prepared: 11/07/2007 1024

Analysis Batch: 720-28394
Prep Batch: 720-28299
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28299/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/07/2007 1149
Date Prepared: 11/07/2007 1024

Analysis Batch: 720-28394
Prep Batch: 720-28299
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11C
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	108	109	69 - 129	1	20		
Toluene	112	113	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	109		108		50 - 130		
1,2-Dichloroethane-d4 (Surr)	95		86		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

Method Blank - Batch: 720-28301

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28301/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/07/2007 1050
Date Prepared: 11/07/2007 1028

Analysis Batch: 720-28374
Prep Batch: 720-28301
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethylbenzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
1,2-Dichloroethane-d4 (Surr)	93	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28301**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28301/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/07/2007 1006
Date Prepared: 11/07/2007 1028

Analysis Batch: 720-28374
Prep Batch: 720-28301
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28301/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/07/2007 1028
Date Prepared: 11/07/2007 1028

Analysis Batch: 720-28374
Prep Batch: 720-28301
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	95	88	69 - 129	7	20		
Toluene	97	94	70 - 130	3	20		
Gasoline Range Organics (GRO)-C5-C12	69	68	60 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	102		103		70 - 130		
1,2-Dichloroethane-d4 (Surr)	87		95		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28301**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11622-A-1-M MS Analysis Batch: 720-28374
Client Matrix: Solid Prep Batch: 720-28301
Dilution: 1.0
Date Analyzed: 11/07/2007 1522
Date Prepared: 11/07/2007 1028

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 10.00 mL

MSD Lab Sample ID: 720-11622-A-1-N MSD Analysis Batch: 720-28374
Client Matrix: Solid Prep Batch: 720-28301
Dilution: 1.0
Date Analyzed: 11/07/2007 1544
Date Prepared: 11/07/2007 1028

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.14 g
Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	90	69 - 129	2	20		
Toluene	95	93	70 - 130	2	20		
Gasoline Range Organics (GRO)-C5-C12	63	55	60 - 130	11	20		F
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	99		100		70 - 130		
1,2-Dichloroethane-d4 (Surr)	62		93		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

Method Blank - Batch: 720-28315

Lab Sample ID: MB 720-28315/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 0935
 Date Prepared: 11/07/2007 1253

Analysis Batch: 720-28378
 Prep Batch: 720-28315
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.26 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	88		41 - 105

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28315**

LCS Lab Sample ID: LCS 720-28315/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1126
 Date Prepared: 11/07/2007 1253

Analysis Batch: 720-28378
 Prep Batch: 720-28315
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.42 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-28315/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/08/2007 1153
 Date Prepared: 11/07/2007 1253

Analysis Batch: 720-28378
 Prep Batch: 720-28315
 Units: mg/Kg

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.26 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	73	73	50 - 130	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	88		85			41 - 105	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11552-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28315**

**Method: 8015B
Preparation: 3550B
Silica Gel Cleanup**

MS Lab Sample ID: 720-11552-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1247
Date Prepared: 11/07/2007 1253

Analysis Batch: 720-28378
Prep Batch: 720-28315

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 720-11552-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1313
Date Prepared: 11/07/2007 1253

Analysis Batch: 720-28378
Prep Batch: 720-28315

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.35 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	67	69	50 - 130	3	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
p-Terphenyl		79	82			41 - 105	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

720-11552

STL

107926

Severn Trent Laboratories, Inc.

Client Contact The Source Group, Inc. 3451-C Vincent Road Pleasant Hill, California (925) 944-2856 x326 Phone (925) 944-2859 FAX Project Name: AB&I Foundry Site: AB&I Foundry P O # 01-ABI-001/T5		Project Manager: Kent Reynolds Tel/Fax:(925) 944-2856 x326 Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: Nathan Colton Lab Contact: Date: 10/31/07 Carrier:		COC No: 7 1 of 2 COCs Job No. 01-ABI-001 SDG No. Sample Specific Notes:									
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample TPHg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	Field
1 SB-8-15	10/31/07	1305	GW	Soil	1										X
2 SB-8-20		135		Soil	1										X
3 SB-8-6W17		1330	GW		7	X						X	X		
4 SB-9-6W17		1410	GW		7	X						X	X		
5 SB-9-10		1350	Soil		1										X
6 SB-9-15		1350													
7 SB-10-3		1445													
8 SB-10-5		1440													
9 SB-10-10		1447													
10 SB-10-15		1500													
11 SB-10-20		1502													
12 SB-10-25		1505													
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other						Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format															
Relinquished by: <i>W. W. G.</i>		Company: <i>SGI</i>		Date/Time: <i>10/31/07 1645</i>		Received by: <i>F. SIMON</i>		Company: <i>W. COULSON</i>		Date/Time: <i>10/31/07</i>		<i>Temp. 5.8°C</i>			
Relinquished by: <i>F. SIMON</i>		Company: <i>WORLD</i>		Date/Time: <i>10/31/07</i>		Received by: <i>Jim Buller</i>		Company: <i>TAL-SF</i>		Date/Time: <i>10/31/07 1800</i>					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					

Chain of Custody Record

720-11552

STL

107926

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds			Site Contact: Nathan Colton			Date: 10/31/07		COC No: 8														
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326			Lab Contact:			Carrier:		2 of 2 COCs														
3451-C Vincent Road		Analysis Turnaround Time			<table border="1"> <tr><td>Filtered Sample</td><td>TPHg & VOCs 8260B</td><td>Alkalinity</td><td>Cl, NO3, SO4</td><td>Dissolved Mn & Pb</td><td>Ferrous Iron</td><td>Methane/ethane/ethene</td><td>Fatty acids</td><td>TPHg 8015M</td><td>Silica Gel Cleanup</td><td>Hand</td></tr> </table>							Filtered Sample	TPHg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHg 8015M	Silica Gel Cleanup	Hand	Job No. 01-ABI-001	
Filtered Sample	TPHg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb								Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHg 8015M	Silica Gel Cleanup	Hand							
Pleasant Hill, California		Calendar (C) or Work Days (W)										SDG No.												
(925) 944-2856 x326 Phone		TAT if different from Below _____										Sample Specific Notes:												
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																						
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																						
Site: AB&I Foundry		<input type="checkbox"/> 2 days																						
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																						
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.																		
13	SB-10-25	10/31	1510	Grab	soil	1																		
14	SB-10-30	10/31	1538	Grab	soil	1																		
15	Tip Blank TAL-SF TR:102007	10/31	-	-	GW	2	X						Vols only											
16	Equipment Blank 2	10/31	1600	Grab	w.	6	X																	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																								
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																		
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																								
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Temp 5.8°C												
[Signature]		SGI		10/31/07 1442		[Signature]		TAL-SF		10/31/07		16°C												
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:														
[Signature]		W COORice		10/31/07		[Signature]		TAL-SF		10/31/07 1800														
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:														

STL San Francisco

1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Chain of Custody Record

720-11552

STL

107926

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 10/31/07		COC No. 7											
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		1 of 2 COCs											
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001											
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.											
(925) 944-2856 x326 Phone		TAT if different from Below																	
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																	
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																	
Site: AB&I Foundry		<input type="checkbox"/> 2 days																	
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																	
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TPHig & VOCs 8160B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Patty acids	TPHid 801SM	Silica Gel Cleanup	Heid	TPHig/BTEX/8260	5 Fuel Oxyd	Sample Specific Notes	
1 SB-8-15	10/26/07	1305	GW	S-1	1								X	X	X				
2 SB-8-20		135		S-1	1								X	X	X				
3 SB-8-6W17		1330		GW	7	X							X	X		X			
4 SB-9-6W17		1410		GW	7	X							X	X		X			
5 SB-9-10		1350		S-1	1								X	X	X				
6 SB-9-15		1350											X	X	X				
7 SB-10-3		1445													X				
8 SB-10-5		1440											X	X	X				
9 SB-10-10		1447											X	X	X				
10 SB-10-15		1500											X	X	X				
11 SB-10-20		1502											X	X	X				
12 SB-10-25		1505											X	X	X				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
Possible Hazard Identification						Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown																			
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																			
Relinquished by: <i>W. M. G.</i>		Company: <i>SGI</i>		Date/Time: <i>10/31/07 1400</i>		Received by: <i>F. J. ...</i>		Company: <i>W. Colton</i>		Date/Time: <i>10/31/07 1645</i>		Temp. 5.8°C							
Relinquished by: <i>F. J. ...</i>		Company: <i>WORLD</i>		Date/Time: <i>10/31/07</i>		Received by: <i>Jim Bull</i>		Company: <i>TAL-SF</i>		Date/Time: <i>10/31/07 1800</i>									
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:									

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11552-2

Login Number: 11552
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11600-1

Job Description: AB&I Foundry

For:

The Source Group

3451-C Vincent Road

Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/13/2007

Job Narrative
720-J11600-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Internal STD recovery chlorobenzene-d5 was outside the control limit.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 28508 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #28463 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The matrix spike duplicate (MSD) recovery for batch 28325 was outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11600-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11600-2	SB-11-5				
Gasoline Range Organics (GRO)-C5-C12		8.6	0.50	mg/Kg	8260B
720-11600-3	SB-11-10				
Gasoline Range Organics (GRO)-C5-C12		71	46	mg/Kg	8260B
720-11600-10	SB-12-15				
Gasoline Range Organics (GRO)-C5-C12		250	47	mg/Kg	8260B
720-11600-15	SB-13-5				
Arsenic		5.5	0.96	mg/Kg	6010B
Barium		190	0.96	mg/Kg	6010B
Beryllium		1.7	0.48	mg/Kg	6010B
Chromium		310	0.96	mg/Kg	6010B
Cobalt		6.1	0.96	mg/Kg	6010B
Copper		77	0.96	mg/Kg	6010B
Lead		36	0.96	mg/Kg	6010B
Molybdenum		7.1	0.96	mg/Kg	6010B
Nickel		32	0.96	mg/Kg	6010B
Selenium		7.8	1.9	mg/Kg	6010B
Silver		2.7	0.96	mg/Kg	6010B
Thallium		16	0.96	mg/Kg	6010B
Vanadium		480	0.96	mg/Kg	6010B
Zinc		320	0.96	mg/Kg	6010B
720-11600-16	SB-13-10				
Gasoline Range Organics (GRO)-C5-C12		0.91	0.25	mg/Kg	8260B
Arsenic		4.0	0.95	mg/Kg	6010B
Barium		140	0.95	mg/Kg	6010B
Beryllium		0.50	0.48	mg/Kg	6010B
Chromium		37	0.95	mg/Kg	6010B
Cobalt		11	0.95	mg/Kg	6010B
Copper		21	0.95	mg/Kg	6010B
Lead		4.6	0.95	mg/Kg	6010B
Nickel		27	0.95	mg/Kg	6010B
Vanadium		40	0.95	mg/Kg	6010B
Zinc		32	0.95	mg/Kg	6010B
Mercury		0.056	0.050	mg/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11600-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11600-17	SB-13-15				
Gasoline Range Organics (GRO)-C5-C12		78	45	mg/Kg	8260B
720-11600-19	SB-13-25				
Gasoline Range Organics (GRO)-C5-C12		420	50	mg/Kg	8260B
720-11600-22	SB-14-15				
Gasoline Range Organics (GRO)-C5-C12		30	0.77	mg/Kg	8260B
720-11600-23	SB-14-GW 13				
Benzene		1.1	0.50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		1600	100	ug/L	8260B
Ethylbenzene		2.8	0.50	ug/L	8260B
Isopropylbenzene		1.6	0.50	ug/L	8260B
N-Propylbenzene		1.6	1.0	ug/L	8260B
Toluene		1.6	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		2.3	0.50	ug/L	8260B
1,3,5-Trimethylbenzene		0.70	0.50	ug/L	8260B
Xylenes, Total		7.3	1.0	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		80	50	ug/L	8015B
720-11600-27	SB-15-15				
Gasoline Range Organics (GRO)-C5-C12		1100	46	mg/Kg	8260B
720-11600-28	SB-15-19				
Ethylbenzene		0.019	0.0066	mg/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		7.9	0.33	mg/Kg	8260B
720-11600-29	SB-16-GW 15				
1,1-Dichloroethane		29	0.50	ug/L	8260B
1,1-Dichloroethene		31	0.50	ug/L	8260B
1,1,1-Trichloroethane		16	0.50	ug/L	8260B
Trichloroethene		0.56	0.50	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11600-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11600-30	SB-916-GW 15				
Gasoline Range Organics (GRO)-C5-C12		220	50	ug/L	8260B
1,1-Dichloroethane		26	0.50	ug/L	8260B
1,1-Dichloroethene		35	0.50	ug/L	8260B
1,1,1-Trichloroethane		18	0.50	ug/L	8260B
Trichloroethene		0.63	0.50	ug/L	8260B
720-11600-31	SB-17-GW 15				
Gasoline Range Organics (GRO)-C5-C12		540	50	ug/L	8260B
1,1-Dichloroethane		170	10	ug/L	8260B
1,1-Dichloroethene		740	10	ug/L	8260B
Vinyl chloride		14	10	ug/L	8260B
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		160	50	ug/L	8015B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11600-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Purge and Trap for Methanol Extractions	TAL SF		SW846 5030B
Purge and Trap for Solids	TAL SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	TAL SF		SW846 7471A
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11600-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11600-2	SB-11-5	Solid	11/01/2007 0755	11/02/2007 1815
720-11600-3	SB-11-10	Solid	11/01/2007 0759	11/02/2007 1815
720-11600-5	SB-11-20	Solid	11/01/2007 0825	11/02/2007 1815
720-11600-8	SB-12-5	Solid	11/01/2007 0943	11/02/2007 1815
720-11600-9	SB-12-10	Solid	11/01/2007 0948	11/02/2007 1815
720-11600-10	SB-12-15	Solid	11/01/2007 0954	11/02/2007 1815
720-11600-12	SB-12-25	Solid	11/01/2007 1019	11/02/2007 1815
720-11600-15	SB-13-5	Solid	11/01/2007 1121	11/02/2007 1815
720-11600-16	SB-13-10	Solid	11/01/2007 1124	11/02/2007 1815
720-11600-17	SB-13-15	Solid	11/01/2007 1131	11/02/2007 1815
720-11600-19	SB-13-25	Solid	11/01/2007 1144	11/02/2007 1815
720-11600-20	SB-14-3	Solid	11/01/2007 1255	11/02/2007 1815
720-11600-21	SB-14-10	Solid	11/01/2007 1300	11/02/2007 1815
720-11600-22	SB-14-15	Solid	11/01/2007 1325	11/02/2007 1815
720-11600-23	SB-14-GW 13	Water	11/01/2007 1330	11/02/2007 1815
720-11600-25	SB-15-5	Solid	11/01/2007 1347	11/02/2007 1815
720-11600-26	SB-15-10	Solid	11/01/2007 1353	11/02/2007 1815
720-11600-27	SB-15-15	Solid	11/01/2007 1357	11/02/2007 1815
720-11600-28	SB-15-19	Solid	11/01/2007 1411	11/02/2007 1815
720-11600-29	SB-16-GW 15	Water	11/01/2007 1500	11/02/2007 1815
720-11600-30	SB-916-GW 15	Water	11/01/2007 1500	11/02/2007 1815
720-11600-31	SB-17-GW 15	Water	11/01/2007 1530	11/02/2007 1815
720-11600-32	EQUIPMENT BLANK 3	Water	11/01/2007 1600	11/02/2007 1815

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-12-25

Lab Sample ID: 720-11600-12

Client Matrix: Solid

Date Sampled: 11/01/2007 1019

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28389	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-28353	Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 5.20 g
Date Analyzed:	11/08/2007 1646		Final Weight/Volume: 10.00 mL
Date Prepared:	11/08/2007 0915		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Ethylbenzene		ND		0.0048
Toluene		ND		0.0048
Xylenes, Total		ND		0.0096
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		97		70 - 130
1,2-Dichloroethane-d4 (Surr)		96		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-14-15

Lab Sample ID: 720-11600-22

Date Sampled: 11/01/2007 1325

Client Matrix: Solid

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28389	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-28353	Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 1.62 g
Date Analyzed:	11/08/2007 1923		Final Weight/Volume: 10.00 mL
Date Prepared:	11/08/2007 0915		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.015
Ethylbenzene		ND		0.015
Toluene		ND		0.015
Xylenes, Total		ND		0.031
Gasoline Range Organics (GRO)-C5-C12		30		0.77

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	102	70 - 130
1,2-Dichloroethane-d4 (Surr)	96	60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-14-GW 13

Lab Sample ID: 720-11600-23
 Client Matrix: Water

Date Sampled: 11/01/2007 1330
 Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28463	Instrument ID: Varian 3900D
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/10/2007 1747		Final Weight/Volume: 40 mL
Date Prepared:	11/10/2007 1747		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	1.1		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	2.8		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	1.6		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-14-GW 13

Lab Sample ID: 720-11600-23
 Client Matrix: Water

Date Sampled: 11/01/2007 1330
 Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28463	Instrument ID: Varian 3900D
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/10/2007 1747		Final Weight/Volume: 40 mL
Date Prepared:	11/10/2007 1747		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	1.6		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	1.6		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	2.3		0.50
1,3,5-Trimethylbenzene	0.70		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	7.3		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	121	83 - 127
1,2-Dichloroethane-d4 (Surr)	102	86 - 129
Toluene-d8 (Surr)	119	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-14-GW 13

Lab Sample ID: 720-11600-23

Date Sampled: 11/01/2007 1330

Client Matrix: Water

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28440

Instrument ID: Varian 3900C

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 2.0

Initial Weight/Volume: 40 mL

Date Analyzed: 11/09/2007 1558

Final Weight/Volume: 40 mL

Date Prepared: 11/09/2007 1558

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		1.0
TAME	ND		1.0
TBA	ND		10
DIPE	ND		2.0
Gasoline Range Organics (GRO)-C5-C12	1600		100
Ethyl tert-butyl ether	ND		1.0
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	125		73 - 130
Toluene-d8 (Surr)	107		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-15-15

Lab Sample ID: 720-11600-27

Client Matrix: Solid

Date Sampled: 11/01/2007 1357

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28513	Instrument ID: Varian 3900A
Preparation:	5030B-Medium	Prep Batch: 720-28480	Lab File ID: c:\saturnws\data\200711\11
Dilution:	200		Initial Weight/Volume: 5.45 g
Date Analyzed:	11/12/2007 1141		Final Weight/Volume: 10.00 mL
Date Prepared:	11/12/2007 0827		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.92
Ethylbenzene		ND		0.92
Toluene		ND		0.92
Xylenes, Total		ND		1.8
Gasoline Range Organics (GRO)-C5-C12		1100		46
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		113		50 - 130
1,2-Dichloroethane-d4 (Surr)		99		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-15-19

Lab Sample ID: 720-11600-28
Client Matrix: Solid

Date Sampled: 11/01/2007 1411
Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28483 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-28484 Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 3.78 g
Date Analyzed: 11/11/2007 2139 Final Weight/Volume: 10 mL
Date Prepared: 11/11/2007 0959

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0066
Ethylbenzene		0.019		0.0066
Toluene		ND		0.0066
Xylenes, Total		ND		0.013
Gasoline Range Organics (GRO)-C5-C12		7.9		0.33
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		100		70 - 130
1,2-Dichloroethane-d4 (Surr)		103		60 - 140

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-16-GW 15

Lab Sample ID: 720-11600-29
 Client Matrix: Water

Date Sampled: 11/01/2007 1500
 Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28403	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\satumws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/09/2007 0122		Final Weight/Volume: 40 mL
Date Prepared:	11/09/2007 0122		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	29		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	31		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-16-GW 15

Lab Sample ID: 720-11600-29
Client Matrix: Water

Date Sampled: 11/01/2007 1500
Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28403	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/09/2007 0122		Final Weight/Volume: 40 mL
Date Prepared:	11/09/2007 0122		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	16		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	0.56		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	118	83 - 127
1,2-Dichloroethane-d4 (Surr)	110	86 - 129
Toluene-d8 (Surr)	109	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-16-GW 15

Lab Sample ID: 720-11600-29

Date Sampled: 11/01/2007 1500

Client Matrix: Water

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28467

Instrument ID: Varian 3900E

Preparation: 5030B

Lab File ID: c:\varianws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/10/2007 2349

Final Weight/Volume: 10 mL

Date Prepared: 11/10/2007 2349

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	73 - 130
Toluene-d8 (Surr)	97	77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-916-GW 15

Lab Sample ID: 720-11600-30
 Client Matrix: Water

Date Sampled: 11/01/2007 1500
 Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28463	Instrument ID: Varian 3900D
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/10/2007 1819		Final Weight/Volume: 40 mL
Date Prepared:	11/10/2007 1819		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	26		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	35		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-916-GW 15

Lab Sample ID: 720-11600-30
Client Matrix: Water

Date Sampled: 11/01/2007 1500
Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B	Analysis Batch: 720-28463	Instrument ID: Varian 3900D
Preparation: 5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0		Initial Weight/Volume: 40 mL
Date Analyzed: 11/10/2007 1819		Final Weight/Volume: 40 mL
Date Prepared: 11/10/2007 1819		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	18		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	0.63		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	121	83 - 127
1,2-Dichloroethane-d4 (Surr)	97	86 - 129
Toluene-d8 (Surr)	110	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-916-GW 15

Lab Sample ID: 720-11600-30
Client Matrix: Water

Date Sampled: 11/01/2007 1500
Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-28467	Instrument ID: Varian 3900E
Preparation:	5030B		Lab File ID: c:\varianws\data\200711\11
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	11/10/2007 2327		Final Weight/Volume: 10 mL
Date Prepared:	11/10/2007 2327		

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	220		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		73 - 130
Toluene-d8 (Surr)	93		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-17-GW 15

Lab Sample ID: 720-11600-31
Client Matrix: Water

Date Sampled: 11/01/2007 1530
Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-28463 Instrument ID: Varian 3900D
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 20 Initial Weight/Volume: 40 mL
Date Analyzed: 11/10/2007 1714 Final Weight/Volume: 40 mL
Date Prepared: 11/10/2007 1714

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		100
Acetone	ND		1000
Benzene	ND		10
Dichlorobromomethane	ND		10
Bromobenzene	ND		20
Chlorobromomethane	ND		20
Bromoform	ND		20
Bromomethane	ND		20
2-Butanone (MEK)	ND		1000
n-Butylbenzene	ND		20
sec-Butylbenzene	ND		20
tert-Butylbenzene	ND		20
Carbon disulfide	ND		100
Carbon tetrachloride	ND		10
Chlorobenzene	ND		10
Chloroethane	ND		20
Chloroform	ND		20
Chloromethane	ND		20
2-Chlorotoluene	ND		10
4-Chlorotoluene	ND		10
Chlorodibromomethane	ND		10
1,2-Dichlorobenzene	ND		10
1,3-Dichlorobenzene	ND		10
1,4-Dichlorobenzene	ND		10
1,3-Dichloropropane	ND		20
1,1-Dichloropropene	ND		10
1,2-Dibromo-3-Chloropropane	ND		20
Ethylene Dibromide	ND		10
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	170		10
1,2-Dichloroethane	ND		10
1,1-Dichloroethene	740		10
cis-1,2-Dichloroethene	ND		10
trans-1,2-Dichloroethene	ND		10
1,2-Dichloropropane	ND		10
cis-1,3-Dichloropropene	ND		10
trans-1,3-Dichloropropene	ND		10
Ethylbenzene	ND		10
Hexachlorobutadiene	ND		20
2-Hexanone	ND		1000
Isopropylbenzene	ND		10
4-Isopropyltoluene	ND		20
Methylene Chloride	ND		100

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-17-GW 15

Lab Sample ID: 720-11600-31
 Client Matrix: Water

Date Sampled: 11/01/2007 1530
 Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28463	Instrument ID: Varian 3900D
Preparation:	5030B		Lab File ID: c:\saturnws\data\200711\11
Dilution:	20		Initial Weight/Volume: 40 mL
Date Analyzed:	11/10/2007 1714		Final Weight/Volume: 40 mL
Date Prepared:	11/10/2007 1714		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		1000
Naphthalene	ND		20
N-Propylbenzene	ND		20
Styrene	ND		10
1,1,1,2-Tetrachloroethane	ND		10
1,1,2,2-Tetrachloroethane	ND		10
Tetrachloroethene	ND		10
Toluene	ND		10
1,2,3-Trichlorobenzene	ND		20
1,2,4-Trichlorobenzene	ND		20
1,1,1-Trichloroethane	ND		10
1,1,2-Trichloroethane	ND		10
Trichloroethene	ND		10
Trichlorofluoromethane	ND		20
1,2,3-Trichloropropane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10
1,2,4-Trimethylbenzene	ND		10
1,3,5-Trimethylbenzene	ND		10
Vinyl acetate	ND		1000
Vinyl chloride	14		10
Xylenes, Total	ND		20
2,2-Dichloropropane	ND		10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	83 - 127
1,2-Dichloroethane-d4 (Surr)	90	86 - 129
Toluene-d8 (Surr)	101	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-17-GW 15

Lab Sample ID: 720-11600-31

Date Sampled: 11/01/2007 1530

Client Matrix: Water

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28469

Instrument ID: Saturn 3900B

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 11/10/2007 1844

Final Weight/Volume: 40 mL

Date Prepared: 11/10/2007 1844

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	540		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		73 - 130
Toluene-d8 (Surr)	108		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: EQUIPMENT BLANK 3

Lab Sample ID: 720-11600-32
 Client Matrix: Water

Date Sampled: 11/01/2007 1600
 Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28450	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110907\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/09/2007 2013		Final Weight/Volume: 40 mL
Date Prepared:	11/09/2007 2013		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: EQUIPMENT BLANK 3

Lab Sample ID: 720-11600-32
Client Matrix: Water

Date Sampled: 11/01/2007 1600
Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-28450	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200711\110907\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/09/2007 2013		Final Weight/Volume: 40 mL
Date Prepared:	11/09/2007 2013		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	122		83 - 127
1,2-Dichloroethane-d4 (Surr)	105		86 - 129
Toluene-d8 (Surr)	105		82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: EQUIPMENT BLANK 3

Lab Sample ID: 720-11600-32

Date Sampled: 11/01/2007 1600

Client Matrix: Water

Date Received: 11/02/2007 1815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-28440

Instrument ID: Varian 3900C

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 11/09/2007 1933

Final Weight/Volume: 40 mL

Date Prepared: 11/09/2007 1933

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		73 - 130
Toluene-d8 (Surr)	103		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-14-GW 13

Lab Sample ID: 720-11600-23

Date Sampled: 11/01/2007 1330

Client Matrix: Water

Date Received: 11/02/2007 1815

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/07/2007 1402		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	80		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	96		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-16-GW 15

Lab Sample ID: 720-11600-29

Date Sampled: 11/01/2007 1500

Client Matrix: Water

Date Received: 11/02/2007 1815

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/07/2007 1428		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	105		50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-916-GW 15

Lab Sample ID: 720-11600-30

Date Sampled: 11/01/2007 1500

Client Matrix: Water

Date Received: 11/02/2007 1815

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/07/2007 1454		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	106	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-17-GW 15

Lab Sample ID: 720-11600-31

Date Sampled: 11/01/2007 1530

Client Matrix: Water

Date Received: 11/02/2007 1815

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-28325	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-28194	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	11/07/2007 1520		Final Weight/Volume: 1 mL
Date Prepared:	11/05/2007 1308		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	160		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	84	50 - 130

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-13-5

Lab Sample ID: 720-11600-15

Date Sampled: 11/01/2007 1121

Client Matrix: Solid

Date Received: 11/02/2007 1815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 720-28253	Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 720-28213	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.04 g
Date Analyzed:	11/06/2007 1934		Final Weight/Volume:	50 mL
Date Prepared:	11/05/2007 1605			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.9
Arsenic		5.5		0.96
Barium		190		0.96
Beryllium		1.7		0.48
Cadmium		ND		0.48
Chromium		310		0.96
Cobalt		6.1		0.96
Copper		77		0.96
Lead		36		0.96
Molybdenum		7.1		0.96
Nickel		32		0.96
Selenium		7.8		1.9
Silver		2.7		0.96
Thallium		16		0.96
Vanadium		480		0.96
Zinc		320		0.96

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 720-28292	Instrument ID:	FIMS 100
Preparation:	7471A	Prep Batch: 720-28239	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.01 g
Date Analyzed:	11/07/2007 0711		Final Weight/Volume:	50 mL
Date Prepared:	11/06/2007 1156			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.050

Analytical Data

Client: The Source Group

Job Number: 720-11600-1

Client Sample ID: SB-13-10

Lab Sample ID: 720-11600-16
Client Matrix: Solid

Date Sampled: 11/01/2007 1124
Date Received: 11/02/2007 1815

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B Analysis Batch: 720-28538 Instrument ID: Varian ICP
Preparation: 3050B Prep Batch: 720-28213 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.05 g
Date Analyzed: 11/12/2007 1854 Final Weight/Volume: 50 mL
Date Prepared: 11/05/2007 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.9
Arsenic		4.0		0.95
Barium		140		0.95
Beryllium		0.50		0.48
Cadmium		ND		0.48
Chromium		37		0.95
Cobalt		11		0.95
Copper		21		0.95
Lead		4.6		0.95
Molybdenum		ND		0.95
Nickel		27		0.95
Selenium		ND		1.9
Silver		ND		0.95
Thallium		ND		0.95
Vanadium		40		0.95
Zinc		32		0.95

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A Analysis Batch: 720-28292 Instrument ID: FIMS 100
Preparation: 7471A Prep Batch: 720-28239 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 11/07/2007 0715 Final Weight/Volume: 50 mL
Date Prepared: 11/06/2007 1156

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.056		0.050

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11600-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-28301					
LCS 720-28301/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28301/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28301/1-A	Method Blank	T	Solid	5030B	
720-11600-15	SB-13-5	T	Solid	5030B	
720-11600-16	SB-13-10	T	Solid	5030B	
720-11622-A-1-M MS	Matrix Spike	T	Solid	5030B	
720-11622-A-1-N MSD	Matrix Spike Duplicate	T	Solid	5030B	
Prep Batch: 720-28352					
LCS 720-28352/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28352/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28352/1-A	Method Blank	T	Solid	5030B	
720-11600-10	SB-12-15	T	Solid	5030B	
720-11600-17	SB-13-15	T	Solid	5030B	
720-11600-19	SB-13-25	T	Solid	5030B	
Prep Batch: 720-28353					
LCS 720-28353/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28353/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28353/1-A	Method Blank	T	Solid	5030B	
720-11600-2	SB-11-5	T	Solid	5030B	
720-11600-9	SB-12-10	T	Solid	5030B	
720-11600-9MS	Matrix Spike	T	Solid	5030B	
720-11600-9MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-11600-12	SB-12-25	T	Solid	5030B	
720-11600-20	SB-14-3	T	Solid	5030B	
720-11600-22	SB-14-15	T	Solid	5030B	
Analysis Batch:720-28374					
LCS 720-28301/2-A	Lab Control Spike	T	Solid	8260B	720-28301
LCSD 720-28301/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28301
MB 720-28301/1-A	Method Blank	T	Solid	8260B	720-28301
720-11600-15	SB-13-5	T	Solid	8260B	720-28301
720-11600-16	SB-13-10	T	Solid	8260B	720-28301
720-11622-A-1-M MS	Matrix Spike	T	Solid	8260B	720-28301
720-11622-A-1-N MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28301

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28389					
LCS 720-28353/2-A	Lab Control Spike	T	Solid	8260B	720-28353
LCSD 720-28353/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28353
MB 720-28353/1-A	Method Blank	T	Solid	8260B	720-28353
720-11600-2	SB-11-5	T	Solid	8260B	720-28353
720-11600-9	SB-12-10	T	Solid	8260B	720-28353
720-11600-9MS	Matrix Spike	T	Solid	8260B	720-28353
720-11600-9MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28353
720-11600-12	SB-12-25	T	Solid	8260B	720-28353
720-11600-20	SB-14-3	T	Solid	8260B	720-28353
720-11600-22	SB-14-15	T	Solid	8260B	720-28353
Analysis Batch:720-28403					
LCS 720-28403/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28403/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28403/3	Method Blank	T	Water	8260B	
720-11591-B-5 MS	Matrix Spike	T	Water	8260B	
720-11591-B-5 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-11600-29	SB-16-GW 15	T	Water	8260B	
Analysis Batch:720-28440					
LCS 720-28440/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28440/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28440/3	Method Blank	T	Water	8260B	
720-11600-23	SB-14-GW 13	T	Water	8260B	
720-11600-32	EQUIPMENT BLANK 3	T	Water	8260B	
720-11601-B-1 MS	Matrix Spike	T	Water	8260B	
720-11601-C-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-28450					
LCS 720-28450/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28450/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28450/3	Method Blank	T	Water	8260B	
720-11499-B-1 MS	Matrix Spike	T	Water	8260B	
720-11499-C-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-11600-32	EQUIPMENT BLANK 3	T	Water	8260B	
Analysis Batch:720-28463					
LCS 720-28463/2	Lab Control Spike	T	Water	8260B	
LCSD 720-28463/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28463/3	Method Blank	T	Water	8260B	
720-11600-23	SB-14-GW 13	T	Water	8260B	
720-11600-30	SB-916-GW 15	T	Water	8260B	
720-11600-31	SB-17-GW 15	T	Water	8260B	
720-11600-31MS	Matrix Spike	T	Water	8260B	
720-11600-31MSD	Matrix Spike Duplicate	T	Water	8260B	

TestAmerica San Francisco

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28467					
LCS 720-28467/8	Lab Control Spike	T	Water	8260B	
LCSD 720-28467/6	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28467/9	Method Blank	T	Water	8260B	
720-11600-29	SB-16-GW 15	T	Water	8260B	
720-11600-30	SB-916-GW 15	T	Water	8260B	
720-11612-A-3 MS	Matrix Spike	T	Water	8260B	
720-11612-A-3 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-28469					
LCS 720-28469/6	Lab Control Spike	T	Water	8260B	
LCSD 720-28469/5	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28469/7	Method Blank	T	Water	8260B	
720-11600-31	SB-17-GW 15	T	Water	8260B	
720-11665-B-5 MS	Matrix Spike	T	Water	8260B	
720-11665-C-5 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-28471					
LCS 720-28472/2-A	Lab Control Spike	T	Solid	8260B	720-28472
LCSD 720-28472/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28472
MB 720-28472/1-A	Method Blank	T	Solid	8260B	720-28472
720-11600-5	SB-11-20	T	Solid	8260B	720-28472
720-11600-5MS	Matrix Spike	T	Solid	8260B	720-28472
720-11600-5MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28472
720-11600-21	SB-14-10	T	Solid	8260B	720-28472
720-11600-25	SB-15-5	T	Solid	8260B	720-28472
720-11600-26	SB-15-10	T	Solid	8260B	720-28472
Prep Batch: 720-28472					
LCS 720-28472/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28472/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28472/1-A	Method Blank	T	Solid	5030B	
720-11600-5	SB-11-20	T	Solid	5030B	
720-11600-5MS	Matrix Spike	T	Solid	5030B	
720-11600-5MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-11600-21	SB-14-10	T	Solid	5030B	
720-11600-25	SB-15-5	T	Solid	5030B	
720-11600-26	SB-15-10	T	Solid	5030B	
Prep Batch: 720-28480					
LCS 720-28480/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28480/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28480/1-A	Method Blank	T	Solid	5030B	
720-11600-3	SB-11-10	T	Solid	5030B	
720-11600-27	SB-15-15	T	Solid	5030B	

TestAmerica San Francisco

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28483					
LCS 720-28484/2-A	Lab Control Spike	T	Solid	8260B	720-28484
LCSD 720-28484/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28484
MB 720-28484/1-A	Method Blank	T	Solid	8260B	720-28484
720-11600-28	SB-15-19	T	Solid	8260B	720-28484
720-11627-A-7-C MS	Matrix Spike	T	Solid	8260B	720-28484
720-11627-A-7-D MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28484
Prep Batch: 720-28484					
LCS 720-28484/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28484/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28484/1-A	Method Blank	T	Solid	5030B	
720-11600-28	SB-15-19	T	Solid	5030B	
720-11627-A-7-C MS	Matrix Spike	T	Solid	5030B	
720-11627-A-7-D MSD	Matrix Spike Duplicate	T	Solid	5030B	
Prep Batch: 720-28492					
LCS 720-28492/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-28492/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-28492/1-A	Method Blank	T	Solid	5030B	
720-11600-8	SB-12-5	T	Solid	5030B	
720-11671-A-1-C MS	Matrix Spike	T	Solid	5030B	
720-11671-A-1-D MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:720-28508					
LCS 720-28492/2-A	Lab Control Spike	T	Solid	8260B	720-28492
LCSD 720-28492/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28492
MB 720-28492/1-A	Method Blank	T	Solid	8260B	720-28492
720-11600-8	SB-12-5	T	Solid	8260B	720-28492
720-11671-A-1-C MS	Matrix Spike	T	Solid	8260B	720-28492
720-11671-A-1-D MSD	Matrix Spike Duplicate	T	Solid	8260B	720-28492
Analysis Batch:720-28512					
LCS 720-28352/2-A	Lab Control Spike	T	Solid	8260B	720-28352
LCSD 720-28352/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28352
MB 720-28352/1-A	Method Blank	T	Solid	8260B	720-28352
720-11600-10	SB-12-15	T	Solid	8260B	720-28352
720-11600-17	SB-13-15	T	Solid	8260B	720-28352
720-11600-19	SB-13-25	T	Solid	8260B	720-28352
Analysis Batch:720-28513					
LCS 720-28480/2-A	Lab Control Spike	T	Solid	8260B	720-28480
LCSD 720-28480/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-28480
MB 720-28480/1-A	Method Blank	T	Solid	8260B	720-28480
720-11600-3	SB-11-10	T	Solid	8260B	720-28480
720-11600-27	SB-15-15	T	Solid	8260B	720-28480

TestAmerica San Francisco

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

T = Total

GC Semi VOA

Prep Batch: 720-28194

LCS 720-28194/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-28194/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-28194/1-A	Method Blank	A	Water	3510C SGC	
720-11555-H-7-B MS	Matrix Spike	A	Water	3510C SGC	
720-11555-H-7-C MSD	Matrix Spike Duplicate	A	Water	3510C SGC	
720-11600-23	SB-14-GW 13	A	Water	3510C SGC	
720-11600-29	SB-16-GW 15	A	Water	3510C SGC	
720-11600-30	SB-916-GW 15	A	Water	3510C SGC	
720-11600-31	SB-17-GW 15	A	Water	3510C SGC	

Analysis Batch:720-28325

LCS 720-28194/2-A	Lab Control Spike	A	Water	8015B	720-28194
LCSD 720-28194/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-28194
MB 720-28194/1-A	Method Blank	A	Water	8015B	720-28194
720-11555-H-7-B MS	Matrix Spike	A	Water	8015B	720-28194
720-11555-H-7-C MSD	Matrix Spike Duplicate	A	Water	8015B	720-28194
720-11600-23	SB-14-GW 13	A	Water	8015B	720-28194
720-11600-29	SB-16-GW 15	A	Water	8015B	720-28194
720-11600-30	SB-916-GW 15	A	Water	8015B	720-28194
720-11600-31	SB-17-GW 15	A	Water	8015B	720-28194

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-28213					
LCS 720-28213/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-28213/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-28213/25-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-28213/1-A	Method Blank	T	Solid	3050B	
720-11588-A-5-J MS	Matrix Spike	T	Solid	3050B	
720-11588-A-5-K MSD	Matrix Spike Duplicate	T	Solid	3050B	
720-11600-15	SB-13-5	T	Solid	3050B	
720-11600-16	SB-13-10	T	Solid	3050B	
Prep Batch: 720-28239					
LCS 720-28239/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 720-28239/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 720-28239/1-A	Method Blank	T	Solid	7471A	
720-11574-A-1-F MS	Matrix Spike	T	Solid	7471A	
720-11574-A-1-G MSD	Matrix Spike Duplicate	T	Solid	7471A	
720-11600-15	SB-13-5	T	Solid	7471A	
720-11600-16	SB-13-10	T	Solid	7471A	
Analysis Batch:720-28253					
LCS 720-28213/2-A	Lab Control Spike	T	Solid	6010B	720-28213
LCSD 720-28213/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-28213
LCSSRM 720-28213/25-A	LCS-Standard Reference Material	T	Solid	6010B	720-28213
MB 720-28213/1-A	Method Blank	T	Solid	6010B	720-28213
720-11588-A-5-J MS	Matrix Spike	T	Solid	6010B	720-28213
720-11588-A-5-K MSD	Matrix Spike Duplicate	T	Solid	6010B	720-28213
720-11600-15	SB-13-5	T	Solid	6010B	720-28213
Analysis Batch:720-28292					
LCS 720-28239/2-A	Lab Control Spike	T	Solid	7471A	720-28239
LCSD 720-28239/3-A	Lab Control Spike Duplicate	T	Solid	7471A	720-28239
MB 720-28239/1-A	Method Blank	T	Solid	7471A	720-28239
720-11574-A-1-F MS	Matrix Spike	T	Solid	7471A	720-28239
720-11574-A-1-G MSD	Matrix Spike Duplicate	T	Solid	7471A	720-28239
720-11600-15	SB-13-5	T	Solid	7471A	720-28239
720-11600-16	SB-13-10	T	Solid	7471A	720-28239
Analysis Batch:720-28538					
720-11600-16	SB-13-10	T	Solid	6010B	720-28213

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28301

Lab Sample ID: MB 720-28301/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/07/2007 1050
 Date Prepared: 11/07/2007 1028

Analysis Batch: 720-28374
 Prep Batch: 720-28301
 Units: mg/Kg

**Method: 8260B
 Preparation: 5030B**

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		0.0050
Benzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
1,2-Dichloroethane-d4 (Surr)	93	60 - 140

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28301**

**Method: 8260B
 Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28301/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/07/2007 1006
 Date Prepared: 11/07/2007 1028

Analysis Batch: 720-28374
 Prep Batch: 720-28301
 Units: mg/Kg

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28301/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/07/2007 1028
 Date Prepared: 11/07/2007 1028

Analysis Batch: 720-28374
 Prep Batch: 720-28301
 Units: mg/Kg

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\11
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	95	88	69 - 129	7	20		
Toluene	97	94	70 - 130	3	20		
Gasoline Range Organics (GRO)-C5-C12	69	68	60 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	102		103		70 - 130		
1,2-Dichloroethane-d4 (Surr)	87		95		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28301**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11622-A-1-M MS Analysis Batch: 720-28374
 Client Matrix: Solid Prep Batch: 720-28301
 Dilution: 1.0
 Date Analyzed: 11/07/2007 1522
 Date Prepared: 11/07/2007 1028

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\
 Initial Weight/Volume: 5.12 g
 Final Weight/Volume: 10.00 mL

MSD Lab Sample ID: 720-11622-A-1-N MSD Analysis Batch: 720-28374
 Client Matrix: Solid Prep Batch: 720-28301
 Dilution: 1.0
 Date Analyzed: 11/07/2007 1544
 Date Prepared: 11/07/2007 1028

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\
 Initial Weight/Volume: 5.14 g
 Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	90	69 - 129	2	20		
Toluene	95	93	70 - 130	2	20		
Gasoline Range Organics (GRO)-C5-C12	63	55	60 - 130	11	20		F
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	99		100		70 - 130		
1,2-Dichloroethane-d4 (Surr)	62		93		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28352

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28352/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/08/2007 1158
Date Prepared: 11/08/2007 0913

Analysis Batch: 720-28512
Prep Batch: 720-28352
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		1.0
Benzene	ND		1.0
Toluene	ND		1.0
Xylenes, Total	ND		2.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	121	50 - 130
1,2-Dichloroethane-d4 (Surr)	115	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28352**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28352/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/08/2007 1026
Date Prepared: 11/08/2007 0913

Analysis Batch: 720-28512
Prep Batch: 720-28352
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28352/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/08/2007 1050
Date Prepared: 11/08/2007 0913

Analysis Batch: 720-28512
Prep Batch: 720-28352
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	116	69 - 129	11	20		
Toluene	109	114	70 - 130	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	98		98		50 - 130		
1,2-Dichloroethane-d4 (Surr)	87		86		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28353

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28353/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1403
Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
Prep Batch: 720-28353
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		0.0050
Benzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	97	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28353**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28353/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1258
Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
Prep Batch: 720-28353
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28353/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1328
Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
Prep Batch: 720-28353
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	96	69 - 129	3	20		
Toluene	103	98	70 - 130	5	20		
Gasoline Range Organics (GRO)-C5-C12	75	73	60 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		99		70 - 130		
1,2-Dichloroethane-d4 (Surr)	84		114		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28353**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11600-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1753
Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
Prep Batch: 720-28353

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.09 g
Final Weight/Volume: 10.00 mL

MSD Lab Sample ID: 720-11600-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/08/2007 1816
Date Prepared: 11/08/2007 0915

Analysis Batch: 720-28389
Prep Batch: 720-28353

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.33 g
Final Weight/Volume: 10.00 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	93	94	69 - 129	3	20		
Toluene	99	93	70 - 130	10	20		
Gasoline Range Organics (GRO)-C5-C12	69	67	60 - 130	7	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	103		97		70 - 130		
1,2-Dichloroethane-d4 (Surr)	93		102		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28403

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-28403/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/08/2007 1612
Date Prepared: 11/08/2007 1612

Analysis Batch: 720-28403
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28403

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28403/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/08/2007 1612
Date Prepared: 11/08/2007 1612

Analysis Batch: 720-28403
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	114	83 - 127	
1,2-Dichloroethane-d4 (Surr)	104	86 - 129	
Toluene-d8 (Surr)	105	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28403**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28403/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/08/2007 1505
Date Prepared: 11/08/2007 1505

Analysis Batch: 720-28403
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200711\110
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28403/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/08/2007 1539
Date Prepared: 11/08/2007 1539

Analysis Batch: 720-28403
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200711\110
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	99	69 - 129	0	20		
Chlorobenzene	101	103	61 - 121	1	20		
1,1-Dichloroethene	105	106	65 - 125	2	20		
Toluene	101	99	70 - 130	2	20		
Trichloroethene	94	95	74 - 134	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	105		109		83 - 127		
1,2-Dichloroethane-d4 (Surr)	100		102		86 - 129		
Toluene-d8 (Surr)	102		103		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28403**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11591-B-5 MS
Client Matrix: Water
Dilution: 10
Date Analyzed: 11/08/2007 1839
Date Prepared: 11/08/2007 1839

Analysis Batch: 720-28403
Prep Batch: N/A

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-11591-B-5 MSD
Client Matrix: Water
Dilution: 10
Date Analyzed: 11/08/2007 1913
Date Prepared: 11/08/2007 1913

Analysis Batch: 720-28403
Prep Batch: N/A

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	100	100	69 - 129	0	20		
Chlorobenzene	104	104	61 - 121	1	20		
1,1-Dichloroethene	106	106	65 - 125	0	20		
Toluene	98	100	70 - 130	2	20		
Trichloroethene	95	94	74 - 134	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	104		106		83 - 127		
1,2-Dichloroethane-d4 (Surr)	97		96		86 - 129		
Toluene-d8 (Surr)	94		96		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28440

Lab Sample ID: MB 720-28440/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1402
Date Prepared: 11/09/2007 1402

Analysis Batch: 720-28440
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Ethyl tert-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	101	77 - 121	
1,2-Dichloroethane-d4 (Surr)	125	73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28440**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28440/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1057
Date Prepared: 11/09/2007 1057

Analysis Batch: 720-28440
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\satumws\data\200711\110
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28440/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1124
Date Prepared: 11/09/2007 1124

Analysis Batch: 720-28440
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\satumws\data\200711\110
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	84	77	69 - 129	8	20		
Toluene	91	77	70 - 130	17	20		
MTBE	87	83	65 - 165	4	20		
Ethyl tert-butyl ether	86	76	60 - 120	12	25		
Gasoline Range Organics (GRO)-C5-C12	73	76	50 - 99	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	109		100		77 - 121		
1,2-Dichloroethane-d4 (Surr)	110		114		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28440**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11601-B-1 MS Analysis Batch: 720-28440
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 11/09/2007 1812
Date Prepared: 11/09/2007 1812

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-11601-C-1 MSD Analysis Batch: 720-28440
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 11/09/2007 1839
Date Prepared: 11/09/2007 1839

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	90	114	69 - 129	24	20		F
Toluene	97	118	70 - 130	19	20		
MTBE	99	121	65 - 165	20	20		
Ethyl tert-butyl ether	88	113	60 - 120	24	20		F
Gasoline Range Organics (GRO)-C5-C12	97	148	60 - 130	23	20		F
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
Toluene-d8 (Surr)		111	110			77 - 121	
1,2-Dichloroethane-d4 (Surr)		115	120			73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28450

Lab Sample ID: MB 720-28450/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1228
Date Prepared: 11/09/2007 1228

Analysis Batch: 720-28450
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110907\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28450

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28450/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1228
Date Prepared: 11/09/2007 1228

Analysis Batch: 720-28450
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110907\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	125	83 - 127	
1,2-Dichloroethane-d4 (Surr)	91	86 - 129	
Toluene-d8 (Surr)	109	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28450**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28450/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1121
Date Prepared: 11/09/2007 1121

Analysis Batch: 720-28450
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110907\LS-
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28450/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2007 1155
Date Prepared: 11/09/2007 1155

Analysis Batch: 720-28450
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200711\110907\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	93	95	69 - 129	2	20		
Chlorobenzene	111	114	61 - 121	2	20		
1,1-Dichloroethene	98	96	65 - 125	3	20		
Toluene	91	97	70 - 130	6	20		
Trichloroethene	88	92	74 - 134	4	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	113		114		83 - 127		
1,2-Dichloroethane-d4 (Surr)	88		88		86 - 129		
Toluene-d8 (Surr)	95		100		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28450**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11499-B-1 MS Analysis Batch: 720-28450
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 11/09/2007 1906
 Date Prepared: 11/09/2007 1906

Instrument ID: Saturn 2K3
 Lab File ID: d:\data\200711\110907\SA-
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-11499-C-1 MSD Analysis Batch: 720-28450
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 11/09/2007 1940
 Date Prepared: 11/09/2007 1940

Instrument ID: Saturn 2K3
 Lab File ID: d:\data\200711\110907\SA-
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	93	96	69 - 129	4	20		
Chlorobenzene	116	111	61 - 121	4	20		
1,1-Dichloroethene	102	93	65 - 125	8	20		
Toluene	94	98	70 - 130	4	20		
Trichloroethene	89	88	74 - 134	1	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		123	116			83 - 127	
1,2-Dichloroethane-d4 (Surr)		103	102			86 - 129	
Toluene-d8 (Surr)		110	108			82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28463

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28463/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1233
Date Prepared: 11/10/2007 1233

Analysis Batch: 720-28463
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28463

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28463/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1233
Date Prepared: 11/10/2007 1233

Analysis Batch: 720-28463
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\11'
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	120	83 - 127	
1,2-Dichloroethane-d4 (Surr)	100	86 - 129	
Toluene-d8 (Surr)	111	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28463**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28463/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1127
Date Prepared: 11/10/2007 1127

Analysis Batch: 720-28463
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\satumws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28463/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1200
Date Prepared: 11/10/2007 1200

Analysis Batch: 720-28463
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\satumws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	92	92	69 - 129	1	20		
Chlorobenzene	99	99	61 - 121	0	20		
1,1-Dichloroethene	102	94	65 - 125	8	20		
Toluene	95	94	70 - 130	1	20		
Trichloroethene	85	81	74 - 134	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	113		121		83 - 127		
1,2-Dichloroethane-d4 (Surr)	92		99		86 - 129		
Toluene-d8 (Surr)	105		112		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28463**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11600-31
Client Matrix: Water
Dilution: 20
Date Analyzed: 11/10/2007 1608
Date Prepared: 11/10/2007 1608

Analysis Batch: 720-28463
Prep Batch: N/A

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-11600-31
Client Matrix: Water
Dilution: 20
Date Analyzed: 11/10/2007 1641
Date Prepared: 11/10/2007 1641

Analysis Batch: 720-28463
Prep Batch: N/A

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	77	88	69 - 129	13	20		
Chlorobenzene	87	102	61 - 121	16	20		
1,1-Dichloroethene	100	119	65 - 125	6	20		
Toluene	80	96	70 - 130	17	20		
Trichloroethene	73	83	74 - 134	13	20	F	
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	115		122		83 - 127		
1,2-Dichloroethane-d4 (Surr)	94		95		86 - 129		
Toluene-d8 (Surr)	104		115		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28467

Lab Sample ID: MB 720-28467/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1527
Date Prepared: 11/10/2007 1527

Analysis Batch: 720-28467
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Ethyl tert-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	95	77 - 121	
1,2-Dichloroethane-d4 (Surr)	90	73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28467**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-28467/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1407
Date Prepared: 11/10/2007 1407

Analysis Batch: 720-28467
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\111
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28467/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1430
Date Prepared: 11/10/2007 1430

Analysis Batch: 720-28467
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\111
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	98	69 - 129	5	20		
Toluene	108	107	70 - 130	1	20		
MTBE	83	87	65 - 165	4	20		
Ethyl tert-butyl ether	80	85	60 - 120	7	25		
Gasoline Range Organics (GRO)-C5-C12	56	57	50 - 99	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		98		77 - 121		
1,2-Dichloroethane-d4 (Surr)	83		83		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28467**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11612-A-3 MS Analysis Batch: 720-28467
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 11/10/2007 1758
 Date Prepared: 11/10/2007 1758

Instrument ID: Varian 3900E
 Lab File ID: c:\varianws\data\200711\11
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-11612-A-3 MSD Analysis Batch: 720-28467
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 11/10/2007 1821
 Date Prepared: 11/10/2007 1821

Instrument ID: Varian 3900E
 Lab File ID: c:\varianws\data\200711\11
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	-176	-730	69 - 129	12	20	4	4
Toluene	102	97	70 - 130	3	20		
MTBE	87	84	65 - 165	2	20		
Ethyl tert-butyl ether	84	86	60 - 120	2	20		
Gasoline Range Organics (GRO)-C5-C12	53	55	60 - 130	2	20	F	F
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
Toluene-d8 (Surr)		99	97			77 - 121	
1,2-Dichloroethane-d4 (Surr)		90	87			73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28469

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28469/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1249
Date Prepared: 11/10/2007 1249

Analysis Batch: 720-28469
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	107	77 - 121	
1,2-Dichloroethane-d4 (Surr)	97	73 - 130	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28469**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28469/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1129
Date Prepared: 11/10/2007 1129

Analysis Batch: 720-28469
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28469/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1156
Date Prepared: 11/10/2007 1156

Analysis Batch: 720-28469
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	95	103	69 - 129	9	20		
Toluene	97	106	70 - 130	8	20		
Gasoline Range Organics (GRO)-C5-C12	70	76	50 - 99	9	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	106		110		77 - 121		
1,2-Dichloroethane-d4 (Surr)	110		109		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28469**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11665-B-5 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1657
Date Prepared: 11/10/2007 1657

Analysis Batch: 720-28469
Prep Batch: N/A

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-11665-C-5 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2007 1724
Date Prepared: 11/10/2007 1724

Analysis Batch: 720-28469
Prep Batch: N/A

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	96	87	69 - 129	10	20		
Toluene	98	86	70 - 130	12	20		
Gasoline Range Organics (GRO)-C5-C12	66	62	60 - 130	6	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	106		103		77 - 121		
1,2-Dichloroethane-d4 (Surr)	96		87		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28472

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28472/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2007 1300
Date Prepared: 11/09/2007 0718

Analysis Batch: 720-28471
Prep Batch: 720-28472
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		0.0050
Benzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	97	70 - 130	
1,2-Dichloroethane-d4 (Surr)	111	60 - 140	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28472**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28472/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2007 1046
Date Prepared: 11/09/2007 0718

Analysis Batch: 720-28471
Prep Batch: 720-28472
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28472/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2007 1108
Date Prepared: 11/09/2007 0718

Analysis Batch: 720-28471
Prep Batch: 720-28472
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	91	80	69 - 129	12	20		
Toluene	94	83	70 - 130	13	20		
Gasoline Range Organics (GRO)-C5-C12	69	61	60 - 130	12	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	98		97		70 - 130		
1,2-Dichloroethane-d4 (Surr)	86		96		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28472**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11600-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2007 1514
Date Prepared: 11/09/2007 0718

Analysis Batch: 720-28471
Prep Batch: 720-28472

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.15 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-11600-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2007 1536
Date Prepared: 11/09/2007 0718

Analysis Batch: 720-28471
Prep Batch: 720-28472

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	83	89	69 - 129	7	20		
Toluene	85	89	70 - 130	4	20		
Gasoline Range Organics (GRO)-C5-C12	67	68	60 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	98		98		70 - 130		
1,2-Dichloroethane-d4 (Surr)	98		106		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28480

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28480/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/12/2007 1110
Date Prepared: 11/12/2007 0827

Analysis Batch: 720-28513
Prep Batch: 720-28480
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		1.0
Benzene	ND		1.0
Toluene	ND		1.0
Xylenes, Total	ND		2.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	115	50 - 130
1,2-Dichloroethane-d4 (Surr)	109	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28480**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28480/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/12/2007 1048
Date Prepared: 11/12/2007 0827

Analysis Batch: 720-28513
Prep Batch: 720-28480
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28480/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 11/12/2007 1025
Date Prepared: 11/12/2007 0827

Analysis Batch: 720-28513
Prep Batch: 720-28480
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	96	69 - 129	3	20		
Toluene	96	97	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	112		112		50 - 130		
1,2-Dichloroethane-d4 (Surr)	105		103		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28484

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28484/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2007 1256
Date Prepared: 11/11/2007 0959

Analysis Batch: 720-28483
Prep Batch: 720-28484
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		0.0050
Benzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
<hr/>			
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	99	70 - 130	
1,2-Dichloroethane-d4 (Surr)	95	60 - 140	

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28484**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28484/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2007 1149
Date Prepared: 11/11/2007 0959

Analysis Batch: 720-28483
Prep Batch: 720-28484
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-28484/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/11/2007 1211
Date Prepared: 11/11/2007 0959

Analysis Batch: 720-28483
Prep Batch: 720-28484
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\111
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	98	98	69 - 129	0	20		
Toluene	100	98	70 - 130	2	20		
Gasoline Range Organics (GRO)-C5-C12	74	70	60 - 130	6	20		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		99		70 - 130		
1,2-Dichloroethane-d4 (Surr)	95		102		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28484**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11627-A-7-C MS Analysis Batch: 720-28483
 Client Matrix: Solid Prep Batch: 720-28484
 Dilution: 1.0
 Date Analyzed: 11/11/2007 1351
 Date Prepared: 11/11/2007 0959

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\1
 Initial Weight/Volume: 5.16 g
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-11627-A-7-D MSD Analysis Batch: 720-28483
 Client Matrix: Solid Prep Batch: 720-28484
 Dilution: 1.0
 Date Analyzed: 11/11/2007 1414
 Date Prepared: 11/11/2007 0959

Instrument ID: Varian 3900A
 Lab File ID: c:\saturnws\data\200711\1
 Initial Weight/Volume: 5.10 g
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	81	91	69 - 129	12	20		
Toluene	84	94	70 - 130	12	20		
Gasoline Range Organics (GRO)-C5-C12	57	64	60 - 130	14	20	F	
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		97		70 - 130		
1,2-Dichloroethane-d4 (Surr)	86		104		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28492

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28492/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/12/2007 1336
Date Prepared: 11/12/2007 1153

Analysis Batch: 720-28508
Prep Batch: 720-28492
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\111207\mb
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	Result	Qual	RL
Ethylbenzene	ND		0.0050
Benzene	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
1,2-Dichloroethane-d4 (Surr)	109	60 - 140

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28492**

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28492/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/12/2007 1243
Date Prepared: 11/12/2007 1153

Analysis Batch: 720-28508
Prep Batch: 720-28492
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\111207\ls-s
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

LCSD Lab Sample ID: LCSD 720-28492/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/12/2007 1310
Date Prepared: 11/12/2007 1153

Analysis Batch: 720-28508
Prep Batch: 720-28492
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200711\111207\ld-sc
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	101	108	69 - 129	6	20		
Toluene	97	111	70 - 130	13	20		
Gasoline Range Organics (GRO)-C5-C12	65	73	60 - 130	12	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	96		96		70 - 130		
1,2-Dichloroethane-d4 (Surr)	99		96		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28492**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11671-A-1-C MS Analysis Batch: 720-28508
 Client Matrix: Solid Prep Batch: 720-28492
 Dilution: 1.0
 Date Analyzed: 11/12/2007 1808
 Date Prepared: 11/12/2007 1153

Instrument ID: Saturn 2100
 Lab File ID: d:\data\200711\111207\sa-
 Initial Weight/Volume: 5.16 g
 Final Weight/Volume: 10.00 mL

MSD Lab Sample ID: 720-11671-A-1-D MSD Analysis Batch: 720-28508
 Client Matrix: Solid Prep Batch: 720-28492
 Dilution: 1.0
 Date Analyzed: 11/12/2007 1834
 Date Prepared: 11/12/2007 1153

Instrument ID: Saturn 2100
 Lab File ID: d:\data\200711\111207\sa-
 Initial Weight/Volume: 5.20 g
 Final Weight/Volume: 10.00 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	81	69 - 129	12	20		
Toluene	80	71	70 - 130	13	20		
Gasoline Range Organics (GRO)-C5-C12	37	34	60 - 130	10	20	F	F
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	85		87		70 - 130		
1,2-Dichloroethane-d4 (Surr)	124		135		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28194

Lab Sample ID: MB 720-28194/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1318
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	78		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28194**

LCS Lab Sample ID: LCS 720-28194/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1344
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-28194/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 11/06/2007 1436
 Date Prepared: 11/05/2007 1308

Analysis Batch: 720-28325
 Prep Batch: 720-28194
 Units: ug/L

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	65	63	50 - 130	3	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		77	75			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28194**

**Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup**

MS Lab Sample ID: 720-11555-H-7-B MS Analysis Batch: 720-28325
Client Matrix: Water Prep Batch: 720-28194
Dilution: 1.0
Date Analyzed: 11/06/2007 1644
Date Prepared: 11/05/2007 1308

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 720-11555-H-7-C MSD Analysis Batch: 720-28325
Client Matrix: Water Prep Batch: 720-28194
Dilution: 1.0
Date Analyzed: 11/06/2007 1710
Date Prepared: 11/05/2007 1308

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	55	47	50 - 130	13	30		F
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
p-Terphenyl		66	56			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28213

Lab Sample ID: MB 720-28213/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1814
Date Prepared: 11/05/2007 1605

Analysis Batch: 720-28253
Prep Batch: 720-28213
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	ND		2.0
Arsenic	ND		1.0
Barium	ND		1.0
Beryllium	ND		0.50
Cadmium	ND		0.50
Chromium	ND		1.0
Cobalt	ND		1.0
Copper	ND		1.0
Lead	ND		1.0
Molybdenum	ND		1.0
Nickel	ND		1.0
Selenium	ND		2.0
Silver	ND		1.0
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

LCS-Standard Reference Material - Batch: 720-28213

Method: 6010B

Preparation: 3050B

Lab Sample ID: LCSSRM 720-28213/25-A

Analysis Batch: 720-28253

Instrument ID: Varian ICP

Client Matrix: Solid

Prep Batch: 720-28213

Lab File ID: N/A

Dilution: 1.0

Units: mg/Kg

Initial Weight/Volume: 1.02 g

Date Analyzed: 11/06/2007 2012

Final Weight/Volume: 50 mL

Date Prepared: 11/05/2007 1605

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	27.4	24	86	14 - 96	
Arsenic	22.7	21	93	72 - 128	
Barium	145	120	86	80 - 120	
Beryllium	1.09	0.94	86	65 - 134	
Cadmium	42.2	38	91	80 - 120	
Chromium	246	230	93	80 - 120	
Cobalt	65.1	63	97	72 - 128	
Copper	58.5	55	93	80 - 120	
Lead	44.1	39	87	75 - 126	
Molybdenum	61.0	58	95	62 - 138	
Nickel	96.8	86	89	80 - 120	
Selenium	165	150	90	80 - 120	
Silver	79.5	74	93	72 - 127	
Thallium	55.9	53	95	79 - 121	
Vanadium	56.7	54	94	63 - 137	
Zinc	44.0	37	84	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28213**

**Method: 6010B
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-28213/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1817
Date Prepared: 11/05/2007 1605

Analysis Batch: 720-28253
Prep Batch: 720-28213
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-28213/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2007 1821
Date Prepared: 11/05/2007 1605

Analysis Batch: 720-28253
Prep Batch: 720-28213
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Antimony	93	97	80 - 120	4	20		
Arsenic	97	100	80 - 120	3	20		
Barium	89	92	80 - 120	3	20		
Beryllium	97	99	80 - 120	3	20		
Cadmium	96	98	80 - 120	3	20		
Chromium	97	99	80 - 120	3	20		
Cobalt	96	99	80 - 120	3	20		
Copper	97	99	80 - 120	3	20		
Lead	96	98	80 - 120	2	20		
Molybdenum	97	101	80 - 120	3	20		
Nickel	95	97	80 - 120	3	20		
Selenium	95	99	80 - 120	3	20		
Silver	99	101	80 - 120	3	20		
Thallium	96	98	80 - 120	2	20		
Vanadium	96	99	80 - 120	3	20		
Zinc	95	98	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-28213

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 720-11588-A-5-J MS Analysis Batch: 720-28253
Client Matrix: Solid Prep Batch: 720-28213
Dilution: 1.0
Date Analyzed: 11/06/2007 1825
Date Prepared: 11/05/2007 1605

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-11588-A-5-K MSD Analysis Batch: 720-28253
Client Matrix: Solid Prep Batch: 720-28213
Dilution: 1.0
Date Analyzed: 11/06/2007 1829
Date Prepared: 11/05/2007 1605

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	37	35	75 - 125	9	20		
Arsenic	78	70	75 - 125	14	20		
Barium	71	59	75 - 125	12	20		
Beryllium	79	74	75 - 125	10	20		
Cadmium	73	67	75 - 125	11	20		
Chromium	76	70	75 - 125	10	20		
Cobalt	74	68	75 - 125	11	20		
Copper	80	80	75 - 125	2	20		
Lead	72	67	75 - 125	8	20		
Molybdenum	72	65	75 - 125	12	20		
Nickel	75	66	75 - 125	14	20		
Selenium	75	69	75 - 125	11	20		
Silver	75	69	75 - 125	10	20		
Thallium	71	66	75 - 125	10	20		
Vanadium	77	71	75 - 125	8	20		
Zinc	75	77	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

Method Blank - Batch: 720-28239

Lab Sample ID: MB 720-28239/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/07/2007 0700
 Date Prepared: 11/06/2007 1156

Analysis Batch: 720-28292
 Prep Batch: 720-28239
 Units: mg/Kg

**Method: 7471A
 Preparation: 7471A**

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 1 g
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-28239**

LCS Lab Sample ID: LCS 720-28239/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/07/2007 0701
 Date Prepared: 11/06/2007 1156

Analysis Batch: 720-28292
 Prep Batch: 720-28239
 Units: mg/Kg

**Method: 7471A
 Preparation: 7471A**

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 1 g
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-28239/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/07/2007 0702
 Date Prepared: 11/06/2007 1156

Analysis Batch: 720-28292
 Prep Batch: 720-28239
 Units: mg/Kg

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 1 g
 Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	99	98	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11600-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28239**

**Method: 7471A
Preparation: 7471A**

MS Lab Sample ID: 720-11574-A-1-F MS Analysis Batch: 720-28292
Client Matrix: Solid Prep Batch: 720-28239
Dilution: 1.0
Date Analyzed: 11/07/2007 0704
Date Prepared: 11/06/2007 1156

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-11574-A-1-G MSD Analysis Batch: 720-28292
Client Matrix: Solid Prep Batch: 720-28239
Dilution: 1.0
Date Analyzed: 11/07/2007 0705
Date Prepared: 11/06/2007 1156

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	115	114	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

720 Quarry Lane

San Jose, CA 94556
phone 925-484-1919 fax 925-484-1096

Chain of Custody Record

720-11600-revised

JIL

Sevens Trent Laboratories, Inc.

P. 17
FAX NO. 5106328035
NOV-05-2007 MON 08:26 AM AB&I FOUNDRY

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 11/1/07		COC No. 9		
The Science Group, Inc.		Tel/Fax: (925) 944-2856 x326		Lab Contact:		Carrier:		1 of 3 COCs		
2457-C Vincent Road		Analysis Turnaround Time		<input type="checkbox"/> TP16 & VOI's (24h) <input type="checkbox"/> Availability <input type="checkbox"/> CI, NO3, SO4 <input type="checkbox"/> Dissolved Ni & Pb <input type="checkbox"/> Barren Iron <input type="checkbox"/> Medication based/diuretic <input type="checkbox"/> Daily uride <input type="checkbox"/> TP16 BTEX <input type="checkbox"/> Office Gel Cleanup <input checked="" type="checkbox"/> VOI's <input checked="" type="checkbox"/> TP16 BTEX (24h)		Job No. 01AS-C01		SDG No.		
Pleasant Hill, California		Calendar (C) or Work Days (W)				Sample Specific Notes				
(925) 944-2859 x326 Phone		FAC if different from below								
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
Project Name: AB&I Foundry										
Site: AB&I Foundry										
PO # 01-AB-C0175										
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.					
1 SB-11-3	11/1/07	757	Grnd	S-1	1					X
2 SB-11-5		755								X
3 SB-11-10		759								X
4 SB-11-15		803								X
5 SB-11-20		825								X
6 SB-11-25		620								X
7 SB-12-3		944								X
8 SB-12-5		943								X
9 SB-12-10		948								X
10 SB-12-15		954								X
11 SB-12-20		1001								X
12 SB-12-25		11019								X
Preservation Used: 1=Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other <input type="checkbox"/> Non-Hazardous <input type="checkbox"/> Hazardous <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poisonous <input type="checkbox"/> Unknown <input type="checkbox"/> Return To Client <input type="checkbox"/> Decant By Lab <input type="checkbox"/> Archive For Months										
Special Instructions/ QC Requirements & Comments: Please report data in EDD and PDF format										
Requested by: <i>MG</i>	Company: <i>SGI</i>	Date/Time: <i>11/1/07 1420</i>	Received by: <i>Ron</i>	Company: <i>World</i>	Date/Time: <i>11/2/07 1700</i>					
Requested by:	Company:	Date/Time:	Received by:	Company:	Date/Time:					
Requested by:	Company:	Date/Time:	Received by:	Company:	Date/Time:					

JLL

123 Quarry Lane

Fresno, CA 94366
Phone 525-42-1919 fax 525-43-1096

Chain of Custody Record

720-11600-revised

Severn Trent Laboratories, Inc.

P. 18

FAX NO. 5106328035

NOV-06-2007 MON 08:26 AM AB&I FOUNDRY

Client Contact		Project Manager: Kear Reynolds		Site Contact: Nathan Cohen		Date: 11/16/07		COE No. 16								
The Sauga Group, Inc.		Tel/Fax: 525-944-2826 x336		Lab Contact:		Carrier:		2 of 3 COCs								
3451-C Vincent Road		Analysis Turnaround Time						Job No. 92-AB-001								
Peasent H.E. California		Calendar: C or Work Days (W)						SCG No.								
625, 543-2559 x326 Phone		TAT: <input type="checkbox"/> 2 weeks														
325 543-2552 FAX		<input type="checkbox"/> 1 week														
Project Name: AB&I Foundry		<input type="checkbox"/> 2 days														
Site: AB&I Foundry		<input type="checkbox"/> 1 day														
PO# 01-AB-001/75																
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TPH & VOCs (B&H)	Alkalinity	U, NO3, SO4	Dissolved Mo & Pb	Mercury Free	Manganese/Lead/Cadmium	Patty acids	TPHA B&H	Silica Gel Cleanup	Handwritten Notes	Sample Specific Notes
13 SB-12-25	11/16/07	1819	Conts	Soil	1										Handwritten notes in column	
14 CB-13-3		1122														
15 SB-13-5		1121														
16 SB-13-10		1124														
17 SB-13-15		1131														
18 SB-13-20		1135														
19 SB-13-25		1134														
20 SB-14-3		1203														
21 SB-14-10		1300														
22 SB-14-15		1305														
23 SB-14-GW13		1300	G	GW	7	X										
24 SB-15-3		1249			1											

100 Quarry Lane

Pleasanton, CA 94566
Phone 925-434-1519 Fax 925-434-1256

Chain of Custody Record

720-11600-revised

DIL

Sevens Trent Laboratories, Inc.

Client Contact:		Project Manager: Kent Reynolds		Site Contact: Nathan Coffee		Date: 11/1/07		COC No: 11			
The Source Group, Inc.		Tel/Fax: (925) 944-2856 x325		Lab Contact:		Carrier:		1 of 3 COCs			
3451-C Vincent Road		Analysis Turnaround Time						Job No. 01-ABI-001			
Pleasanton, CA, California		Calendar (C) or Work Days (W)						SDG No.			
(925) 644-2858	Phone	TAT: <input type="checkbox"/> 2 weeks									
(925) 644-2858	FAX	<input checked="" type="checkbox"/> 1 week									
Project Name: ABB Foundry		<input type="checkbox"/> 2 days									
Site: ABB Foundry		<input type="checkbox"/> 1 day									
P O # 01-ABI-001/75											
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	<input type="checkbox"/> TITR & VOCs (MOSH) <input type="checkbox"/> Alkalinity <input type="checkbox"/> (P, NO ₃), SO ₄ <input type="checkbox"/> Dissolved Mn & Pb <input type="checkbox"/> Ferrrous Iron <input type="checkbox"/> Methylenetetrahydrochloride <input type="checkbox"/> Phos acids <input type="checkbox"/> TYPICAL W/LEM <input type="checkbox"/> Silica Gel Cleanup <input checked="" type="checkbox"/> H ₂ O <input checked="" type="checkbox"/> TPH ₄ BTEX (BGS) <input checked="" type="checkbox"/> Fuel Oils	Sample Specific Notes:			
75	SB-15-5	11/1/07	1817	Grnd Soil		1					
76	SB-15-10		1853								
27	SB-15-15		1857								
78	SB-15-18		1911		↓	↓					
29	SB-16-GW15		1500	GW		7	X	X	X		
30	SB-16-GW-15		4590	GW		7	X	X	X		
31	SB-16-GW-15		11530	GW		7	X	X	X		
32	Equipment Blank 2		1600	Bl		0	X				
Preservation Code: 1=Ice 2=HCl 3=ESCA 4=ENOS 5=NaOH 6=Other <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Hazardous <input type="checkbox"/> Solvent <input type="checkbox"/> Poison 2 <input type="checkbox"/> Unknown											
Special Instructions: QC Requirements & Comments: Please report data in EDD and EDS format.											
Relinquished by: <i>J. White</i>		Company: <i>SGT</i>		Date/Time: <i>11/1/07 10:00</i>		Received by: <i>Don Norman</i>		Company: <i>Worl</i>		Date/Time: <i>11/2/07 1:00</i>	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	

Chain of Custody Record

720-11600

Client Contact		Project Manager: Kent Reynolds				Site Contact: Nathan Colton				Date: 11/1/07		COC No: 9				
The Source Group, Inc.		Tel/Fax: (925) 944-2856 x326				Lab Contact:				Carrier:		1 of 3 COCs				
3451-C Vincent Road		Analysis Turnaround Time				Filtered Sample TPHg & VOCs 8260B Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup TSP						Job No. 01-ABI-001				
Pleasant Hill, California		Calendar (C) or Work Days (W)										SDG No.				
(925) 944-2856 x326 Phone		TAT if different from Below _____										Sample Specific Notes:				
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day														
Project Name: AB&I Foundry																
Site: AB&I Foundry																
P O # 01-ABI-001/T5																
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.										
SB-11-3		11/1/07	757	Grab	Soil	1	X									
SB-11-5			755													
SB-11-10			759													
SB-11-15			803													
SB-11-20			825													
SB-11-25			830													
SB-12-3			944													
SB-12-5			943													
SB-12-10			948													
SB-12-15			954													
SB-12-20			1001													
SB-12-25			1019													
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Possible Hazard Identification							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Temp 5.9°C				
[Signature]		SGI		11/2/07 1640		Ron Benjamin		World		11/2/07 1700						
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						
Ron Benjamin		World		11/2/07 1800		Jim Buhl		TAC SF		11/2/07 1815						
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						

Chain of Custody Record

720-11600

107978

STL

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds			Site Contact: Nathan Colton			Date: 11/16/07		COC No: 10					
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326			Lab Contact:			Carrier:		2 of 2 COCs					
3451-C Vincent Road		Analysis Turnaround Time			Filtered Sample TPHg & VOCs 8260B Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrous Iron Methane/ethane/ethene Fatty acids TPHd 8015M Silica Gel Cleanup HPLC					Job No. 01-ABI-001					
Pleasant Hill, California		Calendar (C) or Work Days (W)								SDG No.					
(925) 944-2856 x326 Phone		TAT if different from Below _____								Sample Specific Notes:					
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day													
Project Name: AB&I Foundry															
Site: AB&I Foundry															
P O # 01-ABI-001/T5															
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TPHg & VOCs 8260B	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHd 8015M	Silica Gel Cleanup	HPLC
SB-912-25	11/16/07	1019	Grub	Sol	1										
SB-13-3		1122													
SB-13-5		1121													
SB-13-10		1124													
SB-13-15		1131													
SB-13-20		1138													
SB-13-25		1144													
SB-14-3		1255													
SB-14-10		1300													
SB-14-15		1325													
SB-14-GW13		1330	C	GW	7	X						XX			
SB-15-3		1349		Sol	1										X
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format															
Relinquished by: [Signature]		Company: SCZ		Date/Time: 11/21/07 1640		Received by: [Signature]		Company: WORLD		Date/Time: 11/21/07 1700					
Relinquished by: [Signature]		Company: WORLD		Date/Time: 11/20/07 1815		Received by: [Signature]		Company: TALSIF		Date/Time: 11/21/07					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					

Chain of Custody Record

720-11600

STL

107978

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds				Site Contact: Nathan Colton				Date: 11/1/07		COC No: 11															
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326				Lab Contact:				Carrier:		1 of 3 COCs															
3451-C Vincent Road		Analysis Turnaround Time				Filtered Sample		TPHg & VOCs 8260B		Alkalinity		Cl, NO3, SO4		Dissolved Mn & Pb		Ferrous Iron		Methane/ethane/ethene		Fatty acids		TPHd 8015M		Silica Gel Cleanup		H ₂ O	
Pleasant Hill, California		Calendar (C) or Work Days (W) _____																									
(925) 944-2856 x326 Phone		TAT if different from Below _____																									
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks																									
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week																									
Site: AB&I Foundry		<input type="checkbox"/> 2 days																									
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day																									
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Sample Specific Notes:																				
SB-15-5		11/1/07	1347	Gms	S.S.T	1																					
SB-15-10			1353																								
SB-15-15			1357																								
SB-15-19			1411																								
SB-16-GW15			1500		GW	7	X																				
SB 916-GW-15			1500		GW	7	X X X X																				
SB 17-GW15 SB-17-GW15			1530		GW	7	X X X X																				
Equipment Blank 3			1600		BL	6	X																				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____																											
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)															
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown												<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months															
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format																											
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					
[Signature]		SGT		11/2/07 10:40		Ken Herman		WORLD		11/2/07 12:00		Ken Herman		WORLD		11/2/07 18:15		[Signature]		TAL-SF		11/2/07 18:15					
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:					
[Signature]		WORLD		11/2/07 18:15		[Signature]		TAL-SF		11/2/07 18:15		[Signature]		TAL-SF		11/2/07 18:15		[Signature]		TAL-SF		11/2/07 18:15					

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11600-1

Login Number: 11600
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11601-2

Job Description: AB&I Foundry

For:

The Source Group

3451-C Vincent Road

Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Designee for
Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/20/2007

Job Narrative
720-J11601-2

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS Semi VOA

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #28645 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not applicable: 720-11601-16.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11601-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11601-16	SB-26-4				
Naphthalene		2100	130	mg/Kg	8270C
Acenaphthene		1300	130	mg/Kg	8270C
Fluorene		1300	130	mg/Kg	8270C
Phenanthrene		4500	130	mg/Kg	8270C
Anthracene		1300	130	mg/Kg	8270C
Fluoranthene		3100	130	mg/Kg	8270C
Pyrene		2400	130	mg/Kg	8270C
Benzo[a]anthracene		1100	660	mg/Kg	8270C
Chrysene		1300	130	mg/Kg	8270C
Benzo[b]fluoranthene		1000	130	mg/Kg	8270C
Benzo[k]fluoranthene		450	130	mg/Kg	8270C
Benzo[a]pyrene		960	130	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		460	130	mg/Kg	8270C
Benzo[g,h,i]perylene		380	130	mg/Kg	8270C
2-Methylnaphthalene		630	130	mg/Kg	8270C
Dibenz(a,h)anthracene		140	130	mg/Kg	8270C
720-11601-17	SB-26-10				
Naphthalene		0.76	0.066	mg/Kg	8270C
Acenaphthene		0.65	0.066	mg/Kg	8270C
Fluorene		0.57	0.066	mg/Kg	8270C
Phenanthrene		2.0	0.066	mg/Kg	8270C
Anthracene		0.42	0.066	mg/Kg	8270C
Fluoranthene		1.2	0.066	mg/Kg	8270C
Pyrene		0.92	0.066	mg/Kg	8270C
Benzo[a]anthracene		0.38	0.33	mg/Kg	8270C
Chrysene		0.26	0.066	mg/Kg	8270C
Benzo[b]fluoranthene		0.29	0.066	mg/Kg	8270C
Benzo[k]fluoranthene		0.090	0.066	mg/Kg	8270C
Benzo[a]pyrene		0.23	0.066	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.10	0.066	mg/Kg	8270C
Benzo[g,h,i]perylene		0.084	0.066	mg/Kg	8270C
2-Methylnaphthalene		0.32	0.066	mg/Kg	8270C
720-11601-18	SB-26-15				
Phenanthrene		0.15	0.067	mg/Kg	8270C
Fluoranthene		0.12	0.067	mg/Kg	8270C
Pyrene		0.085	0.067	mg/Kg	8270C

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11601-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11601-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11601-16	SB-26-4	Solid	11/02/2007 1140	11/02/2007 1815
720-11601-17	SB-26-10	Solid	11/02/2007 1133	11/02/2007 1815
720-11601-18	SB-26-15	Solid	11/02/2007 1135	11/02/2007 1815

Analytical Data

Client: The Source Group

Job Number: 720-11601-2

Client Sample ID: SB-26-4

Lab Sample ID: 720-11601-16
Client Matrix: Solid

Date Sampled: 11/02/2007 1140
Date Received: 11/02/2007 1815

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-28753	Instrument ID: Sat 2K2
Preparation:	3550B	Prep Batch: 720-28645	Lab File ID: c:\saturnws\epdata\data\200
Dilution:	200		Initial Weight/Volume: 30.03 g
Date Analyzed:	11/17/2007 0040		Final Weight/Volume: 10 mL
Date Prepared:	11/15/2007 0749		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Naphthalene		2100		130
Acenaphthylene		ND		130
Acenaphthene		1300		130
Fluorene		1300		130
Phenanthrene		4500		130
Anthracene		1300		130
Fluoranthene		3100		130
Pyrene		2400		130
Benzo[a]anthracene		1100		660
Chrysene		1300		130
Benzo[b]fluoranthene		1000		130
Benzo[k]fluoranthene		450		130
Benzo[a]pyrene		960		130
Indeno[1,2,3-cd]pyrene		460		130
Benzo[g,h,i]perylene		380		130
2-Methylnaphthalene		630		130
Dibenz(a,h)anthracene		140		130

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	0	X	23 - 120
2-Fluorobiphenyl	376	X	30 - 115
Terphenyl-d14	232	X	18 - 137

Analytical Data

Client: The Source Group

Job Number: 720-11601-2

Client Sample ID: SB-26-10

Lab Sample ID: 720-11601-17
Client Matrix: Solid

Date Sampled: 11/02/2007 1133
Date Received: 11/02/2007 1815

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-28710 Instrument ID: Sat 2K2
Preparation: 3550B Prep Batch: 720-28645 Lab File ID: c:\saturnws\lepdata\data\200
Dilution: 1.0 Initial Weight/Volume: 30.35 g
Date Analyzed: 11/15/2007 1812 Final Weight/Volume: 1 mL
Date Prepared: 11/15/2007 0749 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Naphthalene		0.76		0.066
Acenaphthylene		ND		0.066
Acenaphthene		0.65		0.066
Fluorene		0.57		0.066
Phenanthrene		2.0		0.066
Anthracene		0.42		0.066
Fluoranthene		1.2		0.066
Pyrene		0.92		0.066
Benzo[a]anthracene		0.38		0.33
Chrysene		0.26		0.066
Benzo[b]fluoranthene		0.29		0.066
Benzo[k]fluoranthene		0.090		0.066
Benzo[a]pyrene		0.23		0.066
Indeno[1,2,3-cd]pyrene		0.10		0.066
Benzo[g,h,i]perylene		0.084		0.066
2-Methylnaphthalene		0.32		0.066
Dibenz(a,h)anthracene		ND		0.066

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	57	23 - 120
2-Fluorobiphenyl	65	30 - 115
Terphenyl-d14	67	18 - 137

Analytical Data

Client: The Source Group

Job Number: 720-11601-2

Client Sample ID: SB-26-15

Lab Sample ID: 720-11601-18
Client Matrix: Solid

Date Sampled: 11/02/2007 1135
Date Received: 11/02/2007 1815

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-28753	Instrument ID: Sat 2K2
Preparation:	3550B	Prep Batch: 720-28645	Lab File ID: c:\saturnws\lepdata\data\200
Dilution:	1.0		Initial Weight/Volume: 30.20 g
Date Analyzed:	11/17/2007 0008		Final Weight/Volume: 1 mL
Date Prepared:	11/15/2007 0749		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Naphthalene		ND		0.067
Acenaphthylene		ND		0.067
Acenaphthene		ND		0.067
Fluorene		ND		0.067
Phenanthrene		0.15		0.067
Anthracene		ND		0.067
Fluoranthene		0.12		0.067
Pyrene		0.085		0.067
Benzo[a]anthracene		ND		0.33
Chrysene		ND		0.067
Benzo[b]fluoranthene		ND		0.067
Benzo[k]fluoranthene		ND		0.067
Benzo[a]pyrene		ND		0.067
Indeno[1,2,3-cd]pyrene		ND		0.067
Benzo[g,h,i]perylene		ND		0.067
2-Methylnaphthalene		ND		0.067
Dibenz(a,h)anthracene		ND		0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	53	23 - 120
2-Fluorobiphenyl	59	30 - 115
Terphenyl-d14	54	18 - 137

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11601-2

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	X	Surrogate exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11601-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-28645					
LCS 720-28645/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-28645/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-28645/1-A	Method Blank	T	Solid	3550B	
720-11601-16	SB-26-4	T	Solid	3550B	
720-11601-17	SB-26-10	T	Solid	3550B	
720-11601-17MS	Matrix Spike	T	Solid	3550B	
720-11601-17MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-11601-18	SB-26-15	T	Solid	3550B	
Analysis Batch:720-28710					
LCS 720-28645/2-A	Lab Control Spike	T	Solid	8270C	720-28645
LCSD 720-28645/3-A	Lab Control Spike Duplicate	T	Solid	8270C	720-28645
MB 720-28645/1-A	Method Blank	T	Solid	8270C	720-28645
720-11601-17	SB-26-10	T	Solid	8270C	720-28645
720-11601-17MS	Matrix Spike	T	Solid	8270C	720-28645
720-11601-17MSD	Matrix Spike Duplicate	T	Solid	8270C	720-28645
Analysis Batch:720-28753					
720-11601-16	SB-26-4	T	Solid	8270C	720-28645
720-11601-18	SB-26-15	T	Solid	8270C	720-28645

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11601-2

Method Blank - Batch: 720-28645

**Method: 8270C
Preparation: 3550B**

Lab Sample ID: MB 720-28645/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/15/2007 1739
 Date Prepared: 11/15/2007 0749

Analysis Batch: 720-28710
 Prep Batch: 720-28645
 Units: mg/Kg

Instrument ID: Sat 2K2
 Lab File ID: c:\saturnws\lepdata\data\20
 Initial Weight/Volume: 30.24 g
 Final Weight/Volume: 1 mL
 Injection Volume:

Analyte	Result	Qual	RL
Naphthalene	ND		0.066
Acenaphthylene	ND		0.066
Acenaphthene	ND		0.066
Fluorene	ND		0.066
Phenanthrene	ND		0.066
Anthracene	ND		0.066
Fluoranthene	ND		0.066
Pyrene	ND		0.066
Benzo[a]anthracene	ND		0.33
Chrysene	ND		0.066
Benzo[b]fluoranthene	ND		0.066
Benzo[k]fluoranthene	ND		0.066
Benzo[a]pyrene	ND		0.066
Indeno[1,2,3-cd]pyrene	ND		0.066
Benzo[g,h,i]perylene	ND		0.066
2-Methylnaphthalene	ND		0.066
Dibenz(a,h)anthracene	ND		0.066
Surrogate	% Rec	Acceptance Limits	
Nitrobenzene-d5	68	23 - 120	
2-Fluorobiphenyl	76	30 - 115	
Terphenyl-d14	67	18 - 137	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11601-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28645**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-28645/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/15/2007 1633
Date Prepared: 11/15/2007 0749

Analysis Batch: 720-28710
Prep Batch: 720-28645
Units: mg/Kg

Instrument ID: Sat 2K2
Lab File ID: c:\satumws\lepdata\data\20
Initial Weight/Volume: 30.35 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-28645/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/15/2007 1706
Date Prepared: 11/15/2007 0749

Analysis Batch: 720-28710
Prep Batch: 720-28645
Units: mg/Kg

Instrument ID: Sat 2K2
Lab File ID: c:\satumws\lepdata\data\200
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Naphthalene	59	67	21 - 133	12	35		
Acenaphthylene	71	90	33 - 145	24	35		
Acenaphthene	58	74	47 - 145	25	35		
Fluorene	64	75	59 - 121	16	35		
Phenanthrene	79	84	10 - 130	6	35		
Anthracene	75	78	27 - 133	5	35		
Fluoranthene	76	76	26 - 137	1	35		
Pyrene	87	81	52 - 115	7	35		
Benzo[a]anthracene	87	80	33 - 143	8	35		
Chrysene	76	62	17 - 168	19	35		
Benzo[b]fluoranthene	83	89	24 - 159	8	35		
Benzo[k]fluoranthene	70	71	11 - 162	2	35		
Benzo[a]pyrene	85	90	17 - 163	6	35		
Indeno[1,2,3-cd]pyrene	89	89	9 - 171	0	35		
Benzo[g,h,i]perylene	81	83	9 - 219	3	35		
2-Methylnaphthalene	65	69	10 - 130	6	35		
Dibenz(a,h)anthracene	86	88	10 - 130	3	35		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Nitrobenzene-d5	61		66		23 - 120		
2-Fluorobiphenyl	50		67		30 - 115		
Terphenyl-d14	85		80		18 - 137		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11601-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-28645**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 720-11601-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/15/2007 1845
Date Prepared: 11/15/2007 0749

Analysis Batch: 720-28710
Prep Batch: 720-28645

Instrument ID: Sat 2K2
Lab File ID: c:\saturnws\lepdata\data2
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 720-11601-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/15/2007 1918
Date Prepared: 11/15/2007 0749

Analysis Batch: 720-28710
Prep Batch: 720-28645

Instrument ID: Sat 2K2
Lab File ID: C:\SaturnWS\EPData\DAT,
Initial Weight/Volume: 30.15 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Naphthalene	67	65	21 - 133	3	35		
Acenaphthylene	80	80	33 - 145	0	35		
Acenaphthene	67	61	47 - 145	6	35		
Fluorene	89	74	59 - 121	12	35		
Phenanthrene	102	90	10 - 130	6	35		
Anthracene	86	84	27 - 133	2	35		
Fluoranthene	82	86	26 - 137	3	35		
Pyrene	108	118	52 - 115	6	35		F
Benzo[a]anthracene	84	82	33 - 143	2	35		
Chrysene	64	65	17 - 168	1	35		
Benzo[b]fluoranthene	85	91	24 - 159	5	35		
Benzo[k]fluoranthene	76	62	11 - 162	20	35		
Benzo[a]pyrene	89	87	17 - 163	2	35		
Indeno[1,2,3-cd]pyrene	84	84	9 - 171	0	35		
Benzo[g,h,i]perylene	75	77	9 - 219	1	35		
2-Methylnaphthalene	61	63	10 - 130	3	35		
Dibenz(a,h)anthracene	82	76	10 - 130	8	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	60	68	23 - 120
2-Fluorobiphenyl	58	63	30 - 115
Terphenyl-d14	86	82	18 - 137

Calculations are performed before rounding to avoid round-off errors in calculated results.

1233 Quays Lane

Fremont, CA 94536

Phone 925-484-1919 Fax 925-484-1056

Chain of Custody Record

720-11601-revised-2

SIL

Soils & Environmental Laboratories, Inc.

Client Contact The Source Group, Inc. 5451-C Vincent Road Fremont, N.J. 07624 (925) 944-2806 FAX Project Name: A981 Foundry Site: A981 Foundry P.O. # 01-A91-001/TS		Project Manager: Kent Reynolds Tel: Fax: (925) 944-2856 x226		Site Contact: Nicholas Colton Lab Contact:		Date: Carrier:		COC No.: 7 Job No.: 01-A91-001 SDG No.:	
Analysis Parameters Table Colorimetric (C) or Work Days (W) TAT & Release Date: <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Date		Sample Time	Sample Type	Microliters	# of Containers	Sample Specific Name	
13	SB-24-15	11/6/07	1917	Grnd	30ml	1	1	X	X
14	SB-24-20		1027	Grnd	30ml	1	1	X	X
15	SB-25-GW10		1100	Grnd	30ml	1	1	X	X
16	SB-26-4		1198	Grnd	30ml	1	1	X	X
17	SB-26-10		1183	Grnd	30ml	1	1	X	X
18	SB-28-15		1185	Grnd	30ml	1	1	X	X
19	SB-26-GW10		1145	Grnd	30ml	1	1	X	X
20	SB-26-5		1205	Grnd	30ml	1	1	X	X
21	SB-22-GW20		1205	Grnd	30ml	1	1	X	X
22	SB-30-3		1357	Grnd	30ml	1	1	X	X
23	SB-30-5		1357	Grnd	30ml	1	1	X	X
24	SB-30-10		1427	Grnd	30ml	1	1	X	X

12 11/15/07 10:00 AM

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11601-2

Login Number: 11601
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Add'tl req. for PAH's on water SB-25-GW10, Hcl Amber 1L
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-11935-1

Job Description: AB&I Foundry

For:

The Source Group
3451-C Vincent Road
Pleasant Hill, CA 94523

Attention: Mr. Kent Reynolds



Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
12/05/2007

Job Narrative
720-J11935-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Sample foamed during preparation. Elevated reporting limit is provided.

Method(s) 8260B: Surrogate 1,2-DCA-d4 was outside the control limit.

Method(s) 8260B: The following volatiles sample(s) was diluted due to half sediment in the vial: SB-34-GW 15 (720-11935-5). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-11935-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11935-2	SB-36-GW 11.5				
Chloroethane		1.6	1.0	ug/L	8260B
1,1-Dichloroethane		0.53	0.50	ug/L	8260B
720-11935-3	SB-37-GW 16.5				
Methyl tert-butyl ether		11	5.0	ug/L	8260B
MTBE		9.1	0.50	ug/L	8260B
Toluene		0.89	0.50	ug/L	8260B
720-11935-4	SB-937-GW 16.5				
Methyl tert-butyl ether		11	5.0	ug/L	8260B
Toluene		0.91	0.50	ug/L	8260B
720-11935-5	SB-34-GW 15				
Toluene		2.2	1.0	ug/L	8260B
Xylenes, Total		2.4	2.0	ug/L	8260B
720-11935-6	SB-32-GW 15				
Ethylbenzene		0.62	0.50	ug/L	8260B
Toluene		1.9	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		1.6	0.50	ug/L	8260B
Xylenes, Total		3.3	1.0	ug/L	8260B
720-11935-7	SB-33-GW 15				
Ethylbenzene		0.61	0.50	ug/L	8260B
Toluene		3.0	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.59	0.50	ug/L	8260B
Xylenes, Total		3.4	1.0	ug/L	8260B

METHOD SUMMARY

Client: The Source Group

Job Number: 720-11935-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap for Aqueous Samples/Unpreserved	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap for Aqueous Samples/Unpreserved	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: The Source Group

Job Number: 720-11935-1

Method	Analyst	Analyst ID
SW846 8260B	Ali, Badri	BA
SW846 8260B	Chen, Amy	AC
SW846 8260B	Le, Lien	LL
SW846 8260B	Zhao, June	JZ
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-11935-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11935-1	SB-35-GW 11.5	Water	11/26/2007 1215	11/27/2007 1620
720-11935-2	SB-36-GW 11.5	Water	11/26/2007 1345	11/27/2007 1620
720-11935-3	SB-37-GW 16.5	Water	11/27/2007 0720	11/27/2007 1620
720-11935-4	SB-937-GW 16.5	Water	11/27/2007 0720	11/27/2007 1620
720-11935-5	SB-34-GW 15	Water	11/27/2007 0930	11/27/2007 1620
720-11935-6	SB-32-GW 15	Water	11/27/2007 0830	11/27/2007 1620
720-11935-7	SB-33-GW 15	Water	11/27/2007 1000	11/27/2007 1620
720-11935-8TB	TRIP BLANK	Water	11/27/2007 0000	11/27/2007 1620

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-35-GW 11.5

Lab Sample ID: 720-11935-1
Client Matrix: Water

Date Sampled: 11/26/2007 1215
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1712		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1712		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-35-GW 11.5

Lab Sample ID: 720-11935-1
Client Matrix: Water

Date Sampled: 11/26/2007 1215
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation: 5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution: 1.0		Initial Weight/Volume: 40 mL
Date Analyzed: 12/03/2007 1712		Final Weight/Volume: 40 mL
Date Prepared: 12/03/2007 1712		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	108		83 - 127
1,2-Dichloroethane-d4 (Surr)	104		86 - 129
Toluene-d8 (Surr)	101		82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-35-GW 11.5

Lab Sample ID: 720-11935-1

Date Sampled: 11/26/2007 1215

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29173

Instrument ID: Varian 3900A

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1603

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1603

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		73 - 130
Toluene-d8 (Surr)	102		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-36-GW 11.5

Lab Sample ID: 720-11935-2
Client Matrix: Water

Date Sampled: 11/26/2007 1345
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29215	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/04/2007 1216		Final Weight/Volume: 40 mL
Date Prepared:	12/04/2007 1216		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	1.6		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	0.53		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-36-GW 11.5

Lab Sample ID: 720-11935-2
Client Matrix: Water

Date Sampled: 11/26/2007 1345
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29215	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/04/2007 1216		Final Weight/Volume: 40 mL
Date Prepared:	12/04/2007 1216		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	98	83 - 127
1,2-Dichloroethane-d4 (Surr)	121	86 - 129
Toluene-d8 (Surr)	102	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-36-GW 11.5

Lab Sample ID: 720-11935-2

Date Sampled: 11/26/2007 1345

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29173

Instrument ID: Varian 3900A

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1626

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1626

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		73 - 130
Toluene-d8 (Surr)	99		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-37-GW 16.5

Lab Sample ID: 720-11935-3
Client Matrix: Water

Date Sampled: 11/27/2007 0720
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29171 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200712\12
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 12/03/2007 1819 Final Weight/Volume: 40 mL
Date Prepared: 12/03/2007 1819

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	11		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-37-GW 16.5

Lab Sample ID: 720-11935-3
Client Matrix: Water

Date Sampled: 11/27/2007 0720
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1819		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1819		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	0.89		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	83 - 127
1,2-Dichloroethane-d4 (Surr)	104	86 - 129
Toluene-d8 (Surr)	102	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-37-GW 16.5

Lab Sample ID: 720-11935-3

Date Sampled: 11/27/2007 0720

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29160

Instrument ID: Varian 3900E

Preparation: 5030B

Lab File ID: c:\varianws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1647

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1647

Analyte	Result (ug/L)	Qualifier	RL
MTBE	9.1		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		73 - 130
Toluene-d8 (Surr)	95		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-937-GW 16.5

Lab Sample ID: 720-11935-4
Client Matrix: Water

Date Sampled: 11/27/2007 0720
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1852		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1852		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	11		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-937-GW 16.5

Lab Sample ID: 720-11935-4
Client Matrix: Water

Date Sampled: 11/27/2007 0720
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1852		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1852		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	0.91		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	83 - 127
1,2-Dichloroethane-d4 (Surr)	106	86 - 129
Toluene-d8 (Surr)	106	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-937-GW 16.5

Lab Sample ID: 720-11935-4

Date Sampled: 11/27/2007 0720

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29173

Instrument ID: Varian 3900A

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1648

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1648

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		73 - 130
Toluene-d8 (Surr)	96		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-34-GW 15

Lab Sample ID: 720-11935-5
Client Matrix: Water

Date Sampled: 11/27/2007 0930
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	2.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1318		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1318		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		10
Acetone	ND		100
Benzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromobenzene	ND		2.0
Chlorobromomethane	ND		2.0
Bromoform	ND		2.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		100
n-Butylbenzene	ND		2.0
sec-Butylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		2.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		2.0
1,1-Dichloropropene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		2.0
Ethylene Dibromide	ND		1.0
Dibromomethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		2.0
2-Hexanone	ND		100
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		2.0
Methylene Chloride	ND		10

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-34-GW 15

Lab Sample ID: 720-11935-5
 Client Matrix: Water

Date Sampled: 11/27/2007 0930
 Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	2.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1318		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1318		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		100
Naphthalene	ND		2.0
N-Propylbenzene	ND		2.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Tetrachloroethene	ND		1.0
Toluene	2.2		1.0
1,2,3-Trichlorobenzene	ND		2.0
1,2,4-Trichlorobenzene	ND		2.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		2.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl acetate	ND		100
Vinyl chloride	ND		1.0
Xylenes, Total	2.4		2.0
2,2-Dichloropropane	ND		1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	83 - 127
1,2-Dichloroethane-d4 (Surr)	101	86 - 129
Toluene-d8 (Surr)	103	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-34-GW 15

Lab Sample ID: 720-11935-5

Date Sampled: 11/27/2007 0930

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29173

Instrument ID: Varian 3900A

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1710

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1710

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		73 - 130
Toluene-d8 (Surr)	97		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-32-GW 15

Lab Sample ID: 720-11935-6
Client Matrix: Water

Date Sampled: 11/27/2007 0830
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29171 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200712\12
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 12/03/2007 1926 Final Weight/Volume: 40 mL
Date Prepared: 12/03/2007 1926

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	0.62		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-32-GW 15

Lab Sample ID: 720-11935-6
Client Matrix: Water

Date Sampled: 11/27/2007 0830
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation: 5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution: 1.0		Initial Weight/Volume: 40 mL
Date Analyzed: 12/03/2007 1926		Final Weight/Volume: 40 mL
Date Prepared: 12/03/2007 1926		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	1.9		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	1.6		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	3.3		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	83 - 127
1,2-Dichloroethane-d4 (Surr)	103	86 - 129
Toluene-d8 (Surr)	98	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-32-GW 15

Lab Sample ID: 720-11935-6

Date Sampled: 11/27/2007 0830

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29173

Instrument ID: Varian 3900A

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1732

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1732

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		73 - 130
Toluene-d8 (Surr)	97		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-33-GW 15

Lab Sample ID: 720-11935-7
Client Matrix: Water

Date Sampled: 11/27/2007 1000
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1244		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1244		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	0.61		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-33-GW 15

Lab Sample ID: 720-11935-7
Client Matrix: Water

Date Sampled: 11/27/2007 1000
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29171 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200712\12
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 12/03/2007 1244 Final Weight/Volume: 40 mL
Date Prepared: 12/03/2007 1244

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	3.0		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	0.59		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	3.4		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	83 - 127
1,2-Dichloroethane-d4 (Surr)	104	86 - 129
Toluene-d8 (Surr)	101	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-33-GW 15

Lab Sample ID: 720-11935-7

Date Sampled: 11/27/2007 1000

Client Matrix: Water

Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-29173

Instrument ID: Varian 3900A

Preparation: 5030B

Lab File ID: c:\saturnws\data\200711\11

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 11/30/2007 1755

Final Weight/Volume: 10 mL

Date Prepared: 11/30/2007 1755

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		73 - 130
Toluene-d8 (Surr)	103		77 - 121

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-11935-8TB
Client Matrix: Water

Date Sampled: 11/27/2007 0000
Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29171 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200712\12
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 12/03/2007 1211 Final Weight/Volume: 40 mL
Date Prepared: 12/03/2007 1211

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-11935-8TB
 Client Matrix: Water

Date Sampled: 11/27/2007 0000
 Date Received: 11/27/2007 1620

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-29171	Instrument ID: Varian 3900G
Preparation:	5030B		Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/03/2007 1211		Final Weight/Volume: 40 mL
Date Prepared:	12/03/2007 1211		

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	83 - 127
1,2-Dichloroethane-d4 (Surr)	101	86 - 129
Toluene-d8 (Surr)	105	82 - 126

Analytical Data

Client: The Source Group

Job Number: 720-11935-1

Client Sample ID: SB-37-GW 16.5

Lab Sample ID: 720-11935-3

Date Sampled: 11/27/2007 0720

Client Matrix: Water

Date Received: 11/27/2007 1620

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-29191	Instrument ID: Varian DRO4
Preparation:	3510C SGC	Prep Batch: 720-29075	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	12/03/2007 1923		Final Weight/Volume: 1 mL
Date Prepared:	11/29/2007 1246		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	75		50 - 130

DATA REPORTING QUALIFIERS

Client: The Source Group

Job Number: 720-11935-1

Lab Section	Qualifier	Description
GC/MS VOA	X	Surrogate exceeds the control limits

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-29160					
LCS 720-29160/3	Lab Control Spike	T	Water	8260B	
LCSD 720-29160/2	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-29160/4	Method Blank	T	Water	8260B	
720-11926-A-5 MS	Matrix Spike	T	Water	8260B	
720-11926-A-5 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-11935-3	SB-37-GW 16.5	T	Water	8260B	
Analysis Batch:720-29171					
LCS 720-29171/2	Lab Control Spike	T	Water	8260B	
LCSD 720-29171/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-29171/3	Method Blank	T	Water	8260B	
720-11935-1	SB-35-GW 11.5	T	Water	8260B	
720-11935-3	SB-37-GW 16.5	T	Water	8260B	
720-11935-4	SB-937-GW 16.5	T	Water	8260B	
720-11935-5	SB-34-GW 15	T	Water	8260B	
720-11935-6	SB-32-GW 15	T	Water	8260B	
720-11935-7	SB-33-GW 15	T	Water	8260B	
720-11935-7MS	Matrix Spike	T	Water	8260B	
720-11935-7MSD	Matrix Spike Duplicate	T	Water	8260B	
720-11935-8TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:720-29173					
LCS 720-29173/3	Lab Control Spike	T	Water	8260B	
MB 720-29173/4	Method Blank	T	Water	8260B	
720-11931-A-1 MS	Matrix Spike	T	Water	8260B	
720-11931-A-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-11935-1	SB-35-GW 11.5	T	Water	8260B	
720-11935-2	SB-36-GW 11.5	T	Water	8260B	
720-11935-4	SB-937-GW 16.5	T	Water	8260B	
720-11935-5	SB-34-GW 15	T	Water	8260B	
720-11935-6	SB-32-GW 15	T	Water	8260B	
720-11935-7	SB-33-GW 15	T	Water	8260B	
Analysis Batch:720-29215					
LCS 720-29215/2	Lab Control Spike	T	Water	8260B	
LCSD 720-29215/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-29215/3	Method Blank	T	Water	8260B	
720-11935-2	SB-36-GW 11.5	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-29075					
LCS 720-29075/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-29075/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-29075/1-A	Method Blank	A	Water	3510C SGC	
720-11935-3	SB-37-GW 16.5	A	Water	3510C SGC	
Analysis Batch:720-29191					
LCS 720-29075/2-A	Lab Control Spike	A	Water	8015B	720-29075
LCSD 720-29075/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-29075
MB 720-29075/1-A	Method Blank	A	Water	8015B	720-29075
720-11935-3	SB-37-GW 16.5	A	Water	8015B	720-29075

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29160

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-29160/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1628
Date Prepared: 11/30/2007 1628

Analysis Batch: 720-29160
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\11
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	93	73 - 130	
Toluene-d8 (Surr)	95	77 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-29160**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-29160/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1516
Date Prepared: 11/30/2007 1516

Analysis Batch: 720-29160
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\113
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-29160/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1541
Date Prepared: 11/30/2007 1541

Analysis Batch: 720-29160
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200711\113
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	94	94	69 - 129	1	20		
Toluene	97	106	70 - 130	9	20		
MTBE	83	91	65 - 165	9	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	90		96		73 - 130		
Toluene-d8 (Surr)	98		98		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-29160**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11926-A-5 MS Analysis Batch: 720-29160
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 11/30/2007 1857
 Date Prepared: 11/30/2007 1857

Instrument ID: Varian 3900E
 Lab File ID: c:\varianws\data\200711\11
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-11926-A-5 MSD Analysis Batch: 720-29160
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 11/30/2007 1921
 Date Prepared: 11/30/2007 1921

Instrument ID: Varian 3900E
 Lab File ID: c:\varianws\data\200711\11
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	93	91	69 - 129	2	20		
Toluene	104	99	70 - 130	5	20		
MTBE	111	107	65 - 165	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	91		94		73 - 130		
Toluene-d8 (Surr)	96		95		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29171

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-29171/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2007 1104
Date Prepared: 12/03/2007 1104

Analysis Batch: 720-29171
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\12
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29171

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-29171/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2007 1104
Date Prepared: 12/03/2007 1104

Analysis Batch: 720-29171
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\112
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	107	83 - 127	
1,2-Dichloroethane-d4 (Surr)	99	86 - 129	
Toluene-d8 (Surr)	101	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-29171**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-29171/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2007 0958
Date Prepared: 12/03/2007 0958

Analysis Batch: 720-29171
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200712\11:
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-29171/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2007 1031
Date Prepared: 12/03/2007 1031

Analysis Batch: 720-29171
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\satumws\data\200712\12C
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	82	69 - 129	4	20		
Chlorobenzene	99	96	61 - 121	3	20		
1,1-Dichloroethene	87	90	65 - 125	3	20		
Toluene	90	87	70 - 130	4	20		
Trichloroethene	85	81	74 - 134	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	99		103		83 - 127		
1,2-Dichloroethane-d4 (Surr)	91		98		86 - 129		
Toluene-d8 (Surr)	92		96		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-29171**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11935-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2007 1425
Date Prepared: 12/03/2007 1425

Analysis Batch: 720-29171
Prep Batch: N/A

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-11935-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/03/2007 1458
Date Prepared: 12/03/2007 1458

Analysis Batch: 720-29171
Prep Batch: N/A

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	92	91	69 - 129	2	20		
Chlorobenzene	110	110	61 - 121	0	20		
1,1-Dichloroethene	97	97	65 - 125	0	20		
Toluene	99	97	70 - 130	2	20		
Trichloroethene	100	92	74 - 134	9	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	109		103		83 - 127		
1,2-Dichloroethane-d4 (Surr)	104		105		86 - 129		
Toluene-d8 (Surr)	107		103		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29173

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-29173/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1100
Date Prepared: 11/30/2007 1100

Analysis Batch: 720-29173
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
<hr/>			
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	94	73 - 130	
Toluene-d8 (Surr)	98	77 - 121	

Lab Control Spike - Batch: 720-29173

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-29173/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 0937
Date Prepared: 11/30/2007 0937

Analysis Batch: 720-29173
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.40	5.19	96	69 - 129	
Toluene	40.3	38.7	96	70 - 130	
<hr/>					
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	109		73 - 130		
Toluene-d8 (Surr)	99		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-29173**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-11931-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1242
Date Prepared: 11/30/2007 1242

Analysis Batch: 720-29173
Prep Batch: N/A

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-11931-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1305
Date Prepared: 11/30/2007 1305

Analysis Batch: 720-29173
Prep Batch: N/A

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200711\
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	94	95	69 - 129	1	20		
Toluene	102	101	70 - 130	0	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	100		59	X	73 - 130		
Toluene-d8 (Surr)	100		102		77 - 121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29215

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-29215/3
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 12/04/2007 1056
 Date Prepared: 12/04/2007 1056

Analysis Batch: 720-29215
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Varian 3900F
 Lab File ID: c:\saturnws\data\200712\12
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29215

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-29215/3
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 12/04/2007 1056
 Date Prepared: 12/04/2007 1056

Analysis Batch: 720-29215
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Varian 3900F
 Lab File ID: c:\saturnws\data\200712\112
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	98	83 - 127	
1,2-Dichloroethane-d4 (Surr)	116	86 - 129	
Toluene-d8 (Surr)	105	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-29215**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-29215/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/04/2007 0950
Date Prepared: 12/04/2007 0950

Analysis Batch: 720-29215
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\satumws\data\200712\11:
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-29215/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/04/2007 1023
Date Prepared: 12/04/2007 1023

Analysis Batch: 720-29215
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\satumws\data\200712\12C
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	80	93	69 - 129	15	20		
Chlorobenzene	89	99	61 - 121	11	20		
1,1-Dichloroethene	81	95	65 - 125	16	20		
Toluene	80	95	70 - 130	17	20		
Trichloroethene	76	86	74 - 134	12	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	98		99		83 - 127		
1,2-Dichloroethane-d4 (Surr)	113		119		86 - 129		
Toluene-d8 (Surr)	105		106		82 - 126		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: The Source Group

Job Number: 720-11935-1

Method Blank - Batch: 720-29075

Lab Sample ID: MB 720-29075/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 12/03/2007 1157
 Date Prepared: 11/29/2007 1246

Analysis Batch: 720-29191
 Prep Batch: 720-29075
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	99		50 - 130

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-29075**

LCS Lab Sample ID: LCS 720-29075/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 12/03/2007 1104
 Date Prepared: 11/29/2007 1246

Analysis Batch: 720-29191
 Prep Batch: 720-29075
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-29075/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 12/03/2007 1130
 Date Prepared: 11/29/2007 1246

Analysis Batch: 720-29191
 Prep Batch: 720-29075
 Units: ug/L

Instrument ID: Varian DRO4
 Lab File ID: N/A
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 1 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	59	60	50 - 130	2	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		87	83			50 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL San Francisco
1220 Quarr Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

Chain of Custody Record
720-11935

Revised

STL

108330

Severn Trent Laboratories, Inc.

Client Contact		Project Manager: Kent Reynolds		Site Contact: Nathan Colton		Date: 11/26/07		COC No: 15							
The Source Group, Inc.		Tel/Fax:(925) 944-2856 x326		Lab Contact:		Carrier:		1 of 1 COCs							
3451-C Vincent Road		Analysis Turnaround Time		Filtrated Sample TPHig & VOCs 8260B * Alkalinity Cl, NO3, SO4 Dissolved Mn & Pb Ferrous Iron Methane/ethane/ethene Fatty acids TPHid 801SM Silica Gel Cleanup #5 fuel oxys				Job No. 01-ABI-001							
Pleasant Hill, California		Calendar (C) or Work Days (W)						SDG No.							
(925) 944-2856 x326 Phone		TAT if different from Below						Sample Specific Notes							
(925) 944-2859 FAX		<input type="checkbox"/> 2 weeks													
Project Name: AB&I Foundry		<input checked="" type="checkbox"/> 1 week													
Site: AB&I Foundry		<input type="checkbox"/> 2 days													
P O # 01-ABI-001/T5		<input type="checkbox"/> 1 day													
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TPHig & VOCs 8260B *	Alkalinity	Cl, NO3, SO4	Dissolved Mn & Pb	Ferrous Iron	Methane/ethane/ethene	Fatty acids	TPHid 801SM	Silica Gel Cleanup	Sample Specific Notes
1 SB-35-GW11.5	11/26/07	1215	Grab	Water	6	X									
2 SB-36-GW11.5	11/26/07	1345			6	X									
3 SB-37-GW16.5	11/27/07	720			7	X						XX	X		
4 SB-937-GW16.5	11/27/07	720			6	X									
5 SB-34-GW15	11/27/07	930			6	X									Large sealed
6 SB-32-GW15	11/27/07	830			6	X									
7 SB-33-GW15	11/27/07	1000			5	X									
8 Trip Blank	11/27/07				2	X									VOCs only
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other															
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Special Instructions/QC Requirements & Comments: Please report data in EDD and EDF format															
include excel table with data															
Relinquished by: <i>J.W.G.</i>	Company: SGZ	Date/Time: 11/27/07 1500	Received by: <i>[Signature]</i>	Company: WL SF	Date/Time: 11/27/07 15:00	Temp. 2.3°C									
Relinquished by: <i>[Signature]</i>	Company: TAL- SF	Date/Time: 11/27/07 1620	Received by: <i>[Signature]</i>	Company: TAL SF	Date/Time: 11/27/07 1620										
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:										

Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-11935-1

Login Number: 11935
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	