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Alameda County
Environmental Health

September 25, 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 Additional Site Investigation Report – AB&I Foundry, 7825 San Leandro Street, Oakland, California 94621

Dear Mr Wickham:

AB&I respectfully submits the attached Additional 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 is true and correct to the best of my knowledge.

Sincerely,

AB&I
Dave Robinson
Environmental Manager

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

REPORT FOR
ADDITIONAL SITE INVESTIGATION

AB&I Foundry
7825 San Leandro Street
Oakland, California

01-ABI-001

Prepared For:

7825 San Leandro Street
Oakland, California

Prepared By:

THE SOURCE GROUP, INC.

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September 25, 2008

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

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.

Jon Philipp, P.G., C.HG.
Senior Hydrogeologist
The Source Group, Inc.
California Professional Geologist No. 7945

9/25/08
Date

1.0 INTRODUCTION

This report presents results of additional 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, "*Work Plan for Additional Site Investigation*" (Work Plan), prepared by SGI, dated June 6, 2008. The Work Plan was approved by the Alameda County Department of Environmental Health (ACEH) in a letter, dated July 3, 2008.

2.0 BACKGROUND

2.1 Site Description

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 tracks are located immediately adjacent to the western edge of the Site. Elmhurst Creek is located at the southeast corner of the Site (Figure 2). San Leandro Bay is located approximately one mile west of the Site.

2.2 Site History and Operations

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 recycles during manufacturing activities. The Site encompasses an area of approximately 11.8 acres. Previously, seven underground storage tanks (USTs) have been located on-site.

A water supply well is located along southwest perimeter of the Site. Information provided by AB&I indicate that the well is currently used in conjunction with East Bay Municipal Utility District (EBMUD) water as a source of process (cooling) water associated with plant operations.

2.3 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 one mile of the Site (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 interfingered lens of poorly sorted sand and gravel to the maximum depth explored (30 feet below ground surface [bgs]). 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.

Lithologic conditions reported for the Oakland Truck Stop facility located immediately adjacent to and east of the Site indicate that underlying sediments generally include silty clay to a depth of approximately 16 feet bgs, more permeable soil such as silty sand, sandy silt or gravelly sand from 16 feet bgs to 40 feet bgs, and low permeability silty clay from 40 feet bgs to the total depth explored of 50 feet bgs (ASE, 2007).

2.4 Previous Investigations

Various investigations have been conducted at the Site since 1991. Four of the investigations consisted of UST closure reports that were written as part of UST removals conducted at the Site between August 1991 and June 1992. In addition to the four USTs removed in the early 1990s, the three 10,000-gallon USTs were removed in 1982/1983. 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
- 12,000-gallon UST used for storing diesel fuel (removed 6/3/92).

Additional details regarding the UST removals are presented in the report titled *Site Investigation Report* prepared by SGI, dated February 14, 2008 (SGI 2008a).

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). Between 1993 and 1997, sampling results indicated the presence of petroleum hydrocarbons and chlorinated volatile organic compounds (chlorinated VOCs) in groundwater in the vicinity of the former USTs.

On July 14, 2006, groundwater samples were collected from each of the existing monitoring wells (MW-1, MW-3, and MW-4) and submitted for chemical analysis for polyaromatic hydrocarbons (PAHs) using EPA Method 8270C, total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) using EPA Method 8015M as well as benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8020. The three 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.

In August 2006, monitoring well MW-2 was destroyed and replaced with well MW-2R (BSK, 2007). In addition, five new groundwater monitoring wells (MW-5 through MW-9) were also installed.

Results of the July/August 2006 sampling event 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 for groundwater that is a current or potential source of drinking water (ESLs; BSK, 2007).

In October/November 2007, SGI conducted an investigation at the Site to further characterize the extent of petroleum hydrocarbon and chlorinated VOC-affected soil and groundwater associated with the former USTs. TPHg, TPHd, BTEX, methyl tert butyl ether (MTBE), tributyl alcohol (TBA), and chlorinated VOCs were detected in groundwater underlying the Site. Of the constituents detected, only vinyl chloride and 1,1-dichloroethane (1,1-DCA) exceeded their respective ESLs for groundwater where groundwater is not considered a current or potential source of drinking water. A review of historical groundwater data indicated that chlorinated VOC concentrations were stabilized or declining for certain compounds. As a result, SGI concluded that the Site was a low-risk release site and recommended that quarterly monitoring of all nine monitoring wells continue to confirm that concentrations are steady or declining (SGI 2008a).

In February 2008, groundwater samples were collected as part of the quarterly monitoring program required for the Site. Nine wells (MW-1 through MW-9) were sampled as part of the monitoring event. Generally, concentrations of TPHg, TPHd, BTEX, and chlorinated VOCs reported during the sampling event were consistent with those reported during the August 2006 and October 2007 sampling events with the exception of increased concentrations of chlorinated VOCs in well MW-8. SGI concluded that the increased concentrations of chlorinated VOCs reported in samples collected from well MW-8 may be a result of rising water levels since August 2006 (SGI 2008b). Historical groundwater quality data is included in Appendix A.

On March 27, 2008, ACEH issued a letter to AB&I (ACEH 2008a) requesting a work plan to include:

- Preparation of a conceptual site model that evaluates the potential sources, contaminant migration pathways, and potential receptors for the petroleum hydrocarbons and VOCs within the area of and downgradient of the former 8,000 gallon mineral spirits/1,1,1-TCA UST;
- Preparation of a conceptual site model that evaluates the potential sources, contaminant migration pathways, and potential receptors for the petroleum hydrocarbons within the area of and downgradient of the former three 10,000-Gallon USTs dispenser island area;

- Conducting further investigation to define the vertical extent of contamination in the area of the former three 10,000-Gallon USTs, former 550 gallon gasoline UST, and former 8,000 gallon mineral spirits/1,1,1-TCA UST;
- Evaluation of the potential for vapor intrusion to the office building located adjacent to the former 550 gallon gasoline UST Area;
- Evaluation of possible reasons for the discrepancy between soil gas and groundwater sample results in the vicinity of monitoring well MW-8; and
- Submittal of sampling results for VOCs and petroleum hydrocarbons in groundwater from the on-site water supply well.

On June 6, 2008, SGI submitted a work plan titled *Work Plan for Additional Site Investigation* (Work Plan) to ACEH to address the issues listed above (SGI 2008c). The Work Plan was approved by ACEH in a letter dated July 3, 2008 (ACEH 2008b).

3.0 PROJECT OBJECTIVES AND SCOPE OF WORK

3.1 Project Objectives

The objective of this investigation is to fill in data gaps associated with previous investigations conducted at the Site and to further delineate the extent of petroleum hydrocarbon and VOC contamination in groundwater underlying the Site. As indicated in the Work Plan, this data was needed to:

- Assess preferential groundwater flow and contaminant movement;
- Assess the discrepancy between soil gas and groundwater data in the vicinity of well MW-8;
- Evaluated the potential for vapor intrusion to the office building located adjacent to the former 550 gallon gasoline UST;
- Assess potential impacts to the onsite water supply well;
- Confirm that deeper groundwater has not been impacted by Site activities; and
- Evaluate the risk to human health associated with contaminant-affected media.

Additional soil gas data was also needed to assess the potential for vapor intrusion to the office building located adjacent to the former 550 gallon gasoline UST area and to further assess a discrepancy between soil gas and groundwater data in the vicinity of well MW-8.

3.2 Scope of Work

The following tasks were conducted to meet the project objectives:

1. Pre-field activities including permitting;
2. Sampling of all nine groundwater monitoring wells;
3. Soil and groundwater investigation including drilling and sampling 11 soil borings along with the advancement of four Electron Conductivity (EC) borings and five soil gas probes; and
4. Preparation of this report.

3.3 Prefield Activities

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. Underground Services Alert (USA) was also notified to mark utilities.

3.4 Field Activities

3.4.1 Groundwater Monitoring Well Sampling

On June 12 and 13, 2008, groundwater monitoring of the nine Site wells (MW-1, MW-2R, and MW-3 through MW-9) was conducted as part of the ongoing quarterly monitoring activities. Upon arrival at the Site, the wells were located, inspected, and judged to be secure and in good condition. The wells were then gauged for depth to water and total well depth using an electronic water level meter. The water level meter was properly decontaminated between successive wells. Current well gauging data are provided in Table 1 and Appendix C.

Prior to sampling, the wells were purged using low-flow (i.e., low stress) procedures. Purging and sampling was performed using a peristaltic pump with dedicated tubing. Flow rates were generally maintained in the range of 100-200 milliliters per minute. During purging, water quality parameters including pH, temperature, electrical conductivity, ORP, and DO were monitored to ensure that groundwater representative of the aquifer was entering the well. Convergence of these parameters on successive measurements was used as an indicator that the wells had been adequately purged. Copies of the Sampling Field Forms are included in Appendix C.

Nine wells (MW-1, MW-2R, and MW-3 through MW-9) were sampled during the Q2/08 sampling event. Groundwater samples were collected in laboratory-supplied containers, appropriate for the specified analysis. All containers were capped, labeled, placed on ice, and transported under chain-of-custody to the analytical laboratory. All samples were submitted to Advanced Technology Laboratories (ATL), Signal Hill, California and analyzed for VOCs, TPHg, and TPHd using EPA Methods 8260B and 8015M, respectively. One field duplicate sample was also collected from MW-8. An equipment blank and trip blank, analyzed for VOCs as a quality control measure, was also submitted to ATL.

In May 2008, all nine monitoring wells were resurveyed by Virgil Chavez Land Surveying, a California licensed surveyor. The wells were resurveyed to comply and be consistent with the State Water Resources Control Board Geotracker format requirements. Wells were surveyed to a common datum, referenced to mean sea level (msl). Well survey information is included in Table 1.

3.4.2 Soil Gas Survey

On July 7, 2008, soil gas samples were collected to assess the potential for vapor intrusion to the office building located adjacent to the former 550 gallon gasoline UST Area. Ten soil vapor samples were collected at the five locations shown on Figure 3 by TEG of Rancho Cordova, California. All soil vapor samples were collected from discrete depths utilizing a hydraulically-driven probe equipped with detachable drive points. Soil gas samples were collected at depths of five-feet bgs and from just below the concrete slab at a depth of 0.5-feet bgs. Once the drive point reached the target sample, it was

retracted to provide a void space where soil vapor could accumulate. All sample locations were allowed to equilibrate with the sampling probe in place for 30 minutes before soil vapor samples were collected.

Soil vapor samples were collected through polyethylene tubing using a calibrated syringe connected to a sampling port. The samples were immediately transferred to the onsite mobile laboratory for analysis, where they were logged onto the chain-of-custody form and assigned a laboratory identification number. The soil vapor samples were analyzed onsite by Transglobal Environmental Geochemistry (TEG), a California state-certified mobile laboratory, for EPA target list VOCs using EPA Method 8260B. All instrumentation was calibrated by TEG prior to sample collection. During the Investigation, a duplicate soil vapor sample was collected at SG-11.

3.4.2.1 Purge Volume Test

Prior to initiating the soil vapor investigation, tests were conducted to optimize the purge volume. Purge volume tests ensure the following:

- Stagnant or ambient air is removed from the sampling system; and
- Soil vapor samples are representative of subsurface conditions.

Every attempt was made to conduct the purge volume test in an area of suspected elevated contaminant concentrations. For the purge volume test, DTSC and California Regional Water Quality Control Board, Los Angeles Region recommend collecting three soil vapor samples (a soil vapor sample after one (1), three (3), and seven (7) tubing volumes of air are purged). Upon the analysis of each soil vapor sample, an appropriate purge volume can be identified based on the highest concentration for the contaminants detected during the purge volume tests.

Three soil vapor samples were collected at soil boring SG-11 after one (1), three (3), and seven (7) tubing volumes of air were purged. Concentrations of 1,1-DCA and 1,1-DCE were detected in all three samples at relatively similar concentrations. However, toluene was only detected in the sample collected following a single purge volume. The following table summarizes the soil vapor sample results.

Sample ID	SG-11	SG-11	SG-11
Date/Time	7-7-08 / 9:37	7-7-08 / 9:57	7-7-08 / 10:19
Sample Depth	5.0	5.0	5.0
Purge Volume	1	3	7
Units	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
1,1-DCA	190	190	190

Sample ID	SG-11	SG-11	SG-11
1,1-DCE	150	160	160
Other COCs[1]	230	ND	ND

$\mu g/m^3$ = Micrograms per cubic meter.
1,1-DCA = 1,1 - Dichloroethane
1,1-DCE = 1,1 - Dichloroethene
ND = Not detected.
COC = Chemical of concern.

Based on the results on the second and third purge volume tests, one (1) purge volume was identified as the number of volumes to be applied at all sampling points.

3.4.2.2 Boring Completion

After the soil vapor sampling was complete at each location, the sample rod was removed from the ground and the sampling hole was sealed to surface with neat cement. The remainder of the boring was filled with concrete or asphalt to be consistent with site surface conditions.

3.4.3 Soil and Grab Groundwater Sampling Activities

Between July 8 and 12, 2008, 14 direct-push technology (DPT) boreholes (SB-38 through SB-42 and SB-44 through SGI-52) were advanced by WDC Exploration and Wells, Inc. (WDC) on Site (all locations depicted on Figure 3). As indicated in the Work Plan, the soil borings were originally planned to be advanced using dual wall DPT to a depth of approximately 50 feet bgs. However, refusal or heaving sands were encountered in eleven of the borings (SB-38 through SB-48). To address the refusal and heaving sands issue, four borings (SB-49 through SB-52) were advanced using a direct push electrical conductivity (EC) probe. EC probes use electrical conductivity measurements to define the conductivity of the soil through which the probe passes. Generally, smaller particles like clay and silt exhibit lower permeability and have higher conductivities than that of larger particles such as sand or gravel, which exhibit higher permeability. Utilizing EC boring analysis of soil lithology, water-bearing zones were identified for subsequent groundwater sampling. Dual-wall borings (SB-38 through SB-42 and SB-44 through SB-48) were advanced to a maximum depth of approximately 45-feet bgs and EC borings (SB-49 through SB-52) were advanced to a maximum depth of approximately 60-feet bgs.

<u>Soil Sampling Activities</u>

Soil samples for lithological characterization were collected using the dual wall DPT system continuously to a maximum depth ranging from the surface to approximately 45-feet bgs A total of six soil samples were collected from three of the dual-wall DPT borings (SB-42, SB-44, and SB-45). Soil cores were collected in five-foot long sections of clear, acetate sleeves. Each soil sample consisted of a four to

six-inch long section of the core cut using a hack saw at selected depths for logging and chemical analyses. All soil cores 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) equipped with a photo-ionization detector. Boring and EC logs are included as Appendix D.

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 ATL and analyzed for TPHg and TPHd using EPA Method 8015M with silica gel cleanup and VOCs using EPA Method 8260B.

Grab Groundwater Sampling Activities

Nine grab groundwater samples, including one duplicate sample, were collected at seven boring locations (SB-38, SB-45, SB-46, and SB-49 through SB-52). Grab groundwater samples were collected from shallow (less than 30 feet bgs) and deep (greater than 40 bgs) groundwater bearing zones. For the deeper samples, high to moderate permeability soils were targeted for groundwater collection. Shallow groundwater samples were only collected from borings advanced in areas in which no shallow groundwater data existed. Shallow groundwater samples were collected from borings SB-38, SB-45, and SB-47 at depths of 25, 20, and 24 feet bgs, respectively. Deep groundwater samples were collected from borings SB-45, SB-46, SB-49, SB-50, SB-51, and SB-52 at depths of 45, 48, 42, 58, 44, and 51-feet bgs, respectively.

To collect groundwater at each location, samples were collected by one of two methods. If both shallow and deep groundwater samples were required from a boring location, one sample was collected through the dual wall DPT casing via a small diameter temporary polyvinyl chloride (PVC) well screen inserted into the borehole. Groundwater samples were then collected by placing a polyethylene tube with a bottom check valve into the screen. The tubing was gently moved up and down to minimize volatilization, resulting in water flow through the check valve and tubing to the ground surface. For the second sample, in order to minimize the potential for cross contamination, a second borehole was advanced and groundwater was collected via a Hydropunch sampler equipped with a retrievable stainless steel screen and expendable tip. In the cases where a Hydropunch sampler was used, higher permeable zones were selected based on the review of the adjacent boring logs and/or EC logs.

Groundwater samples submitted for chemical analysis were capped with Teflon septa, labeled, and placed on ice for transport to ATL under chain-of-custody procedures. Groundwater samples were analyzed for VOCs using EPA Method 8260, TPHg and TPHd using EPA Method 8015M with silica gel cleanup.

At the completion of boring activities, all borings were grouted with neat cement, immediately following sampling, from the bottom up using a tremmie pipe.

3.4.4 Decontamination Procedures

Disposable sampling equipment, such as small tools, hoses, and disposable gloves, were disposed of after each use. Equipment that was reused during sampling activities was decontaminated prior to additional sampling. 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.

3.4.5 Investigation-Derived Waste Management

Investigation derived waste (IDW) were placed in labeled and sealed DOT-approved 55-gallon drums for temporary storage at the Site. IDW consisted of soil cuttings, decon water, and purge water. IDW will be properly disposed of in accordance with the applicable Federal, State, and local regulations.

4.0 FIELD INVESTIGATION RESULTS

4.1 Soil Conditions

Soil encountered during this investigation consisted primarily of clay with interbeds of silt, silty sand, sands, and gravelly clays. The upper 3 to 4-feet of soil at the Site consists of an artificial fill. Beneath the artificial fill, in most locations, is a 5 to 10 foot thick silty clay/clay layer. Underlying the parking lot, a 3 to 4 foot layer of gravelly clay was observed at a depth of 15 feet bgs. At a depth of 32 feet underlying the location of the former 1,1,1-TCA UST and extending into the parking lot area, an approximately 7-foot thick layer of medium-grained sand was observed. Below this, a 15-foot thick layer of clay was observed. At 55 feet bgs, gravelly sand was encountered. In the 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 through 6. A cross section location map is presented in Figure 3.

4.2 Groundwater Flow and Gradient

On June 12, 2008, the depth to groundwater was measured in monitoring wells MW-1 through MW-9. Groundwater elevations ranged from approximately 3.84 feet mean sea level (msl) in MW-7 to 1.52 feet msl 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. The magnitude of the lateral hydraulic (groundwater) gradient was approximately 0.005 ft/ft. A potentiometric surface map for June 2008 is presented as Figure 7.

4.3 Soil Gas, Soil, and Groundwater Sample Results

4.3.1 Soil Gas Results

On July 7, 2008, ten soil gas samples were collected at five different locations by TEG to assess the potential for vapor intrusion to the office building located adjacent to the former 550-gallon gasoline UST Area. Four of the locations were on the ground floor of the warehouse, which is situated adjacent to the offices (Figure 7). The fifth soil gas sample location was advanced near well MW-8 to assess the discrepancy between the previous groundwater and soil gas sampling results. Of the four sample locations in the warehouse, two had no detectable concentrations of any compounds above laboratory

reporting limits. Of the two remaining locations, vinyl chloride was detected at a concentration of 2.1 µg/L in soil gas sample SG-12. Tetrachloroethene (PCE), trichloroethene (TCE), and m,p-xylnes were detected in sample SB-16A at concentrations of 0.2, 0.14, and 0.22 µg/L, respectively. In sample SG-16B collected from the same location as SB-16A but from a depth of 5-feet bgs, PCE, benzene, and vinyl chloride were detected at concentrations of 0.58, 0.17, and 3.7 µg/L, respectively. In the soil gas sample collected from the parking lot near well MW-8 (SB-11), 1,1-DCE, 1,1-DCA, and toluene were detected at concentrations of 0.15, 0.19, and 0.23 µg/L, respectively. Soil gas sample results are summarized in Table 2 and shown on Figure 8. Laboratory chemical analysis reports are included in Appendix E.

4.3.2 Soil Analytical Results

A total of six soil samples from three borings (SB-42, SB-44, and SB-45) were collected for the purpose of evaluating soil conditions in the vicinity of the warehouse and the vertical extent of contamination in the area of the former 550 gallon UST. Of the three borings, only two (SB-44 and SB-45) had samples with concentrations of contaminants of laboratory practical quantitation limits (PQLs). Sample SB-42-40 collected from boring SB-42 in the vicinity of the 550-gallon gasoline UST at a depth of 40 feet bgs had no compounds above laboratory PQLs. Of the two remaining borings, only four out of the five samples collected had concentrations of contaminants above laboratory PQLs. Of the two soil samples collected from boring SB-44 at depths of 15 feet bgs and 25 feet bgs, the 15-foot sample had much higher concentrations of TPHg, TPHd, benzene, isopropylbenzene, n-butylbenzene, and sec-butylbenzene compared to the 25-foot sample. In the 25-foot sample collected from boring SB-44, only TPHg and TPHd were detected at concentrations of 0.22 and 1.1 mg/kg, respectively. Two of three soil samples collected from boring SB-45 (SB-45-15 and SB-45-20), had concentrations of TPHg (66 and 360 mg/kg, respectively), and only sample SB-45-20 had concentrations of n-butylbenzene (0.25 mg/kg). The shallow sample, SB-SB45-5, had no compounds above laboratory PQLs. Soil sample results are summarized in Table 3.

4.3.3 Groundwater Analytical Results

Between July 8 and July 12, 2008, nine grab groundwater samples were collected to assess the vertical extent of TPH and VOC-impacted shallow and deep groundwater underlying the Site and to evaluate the potential for contaminated groundwater to impact the water supply well located on-site. In addition, all nine monitoring wells were sampled on June 11 and June 12, 2008. As indicated in Section 3.4.3, grab-groundwater samples were collected from two discrete zones, shallow (less than 30 feet bgs) and deep (greater than 40-feet bgs) groundwater zones. The following is a summary of the results by areas of concern (AOCs; Figure 2)). A summary of the samples collected and the results are included as Tables 4 and 5 and shown on Figures 9 and 10.

Former Three 10,000-Gallon USTs Area

Shallow zone groundwater samples were collected from well MW-9 and from borings SB-45 and SB-47 at depths of 20 and 24 feet bgs, respectively. Results from the sample collected at well MW-9 are generally consistent with historical results except for the presence of 1,1-DCE at a concentration of 1.4 µg/L, which was not reported above laboratory PQLs during the first quarter 2008 (Q1/08) sampling event. Groundwater in the vicinity of MW-9 continues to be impacted by TPHg, TPHd, BTEX, and naphthalene at concentrations ranging from 2,900 µg/L for TPHg to 2.1 µg/L for total xylenes. In addition, concentrations of n-propylbenzene, isopropylbenzene, and n-butylbenzene, detected in sample MW-9 during the Q1/08 sampling event, were not detected at or above laboratory PQLs during this sampling event. In the shallow groundwater sample collected from boring SB-45, concentrations of all compounds were at or below laboratory PQLs except for TPHg, which was detected at a concentration of 640 µg/L. In the shallow groundwater sample collected from boring SB-47, concentrations of all compounds were at or below laboratory PQLs except for TCE, which was detected at a concentration of 0.62 µg/L.

Three deep groundwater samples were collected from borings SB-45, SB-46, and SB-51 at depths of 45, 48, and 44 feet bgs, respectively. In the deep groundwater sample collected from boring SB-46, all compounds were at or below laboratory PQLs. TPHg, TPHd, and benzene were detected from the sample collected at boring SB-45, and TPHg, ethylbenzene, toluene, xylene, naphthalene, while a number of chlorinated VOCs were detected in the sample collected from boring SB-51.

Parking Lot Area

Shallow groundwater samples were obtained from wells MW-3, MW-5, MW-6, and MW-8. Results from groundwater samples are generally consistent with historical results. The main contaminants in all three wells located in the Parking Lot Area are chlorinated VOCs, mainly 1,1,1-TCA, 1,1-DCA, 1,1-DCE, chloroethane, and vinyl chloride. Concentrations are the highest in the sample collected from MW-8, the well closest to the suspected source area, the 1,1,1-TCA/Mineral Spirits UST. Concentrations of 1,1-DCA, 1,1-DCE, chloroethane, 1,1,1-TCA, and vinyl chloride detected in the sample from well MW-8 were 1,400, 3,200, 300, 2,700, and 19 µg/L, respectively. During the Q1/08 sampling event, TPHd was detected in the sample collected from well MW-8 at a concentration of 140 µg/L. However, during this sampling event, TPHd concentrations were below laboratory PQLs. For the samples collected in the other three wells, MW-3 had the second highest concentrations of chlorinated VOCs, followed by MW-5. The sample collected from well MW-6 had no chlorinated VOCs above laboratory PQLs. However, this sample was the only sample collected from the Parking Lot Area that had detectable levels of TPHd (54 µg/L). The cleanest well, well MW-6, is located downgradient of well MW-8 and near the northern boundary of the Site, suggesting that is unlikely that chlorinated VOCs are migrating offsite.

One deep groundwater sample was obtained from boring SB-49, located adjacent to well MW-8, at a depth of 42 feet bgs. No compounds exceeded laboratory PQLs except for 1,1-DCA, which was

detected at a concentration of 0.39 µg/L. However, the laboratory approximated this value as it between the PQL and calculated method detection limit (MDL). Based on the general lack of chlorinated VOCs detected in deep groundwater, it is unlikely that chlorinated VOC-affected groundwater from the shallow zone is impacting deeper groundwater in this area.

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

One shallow groundwater sample was obtained from well MW-2R. Shallow groundwater in the vicinity of well MW-2R had detectable levels of TPHg and 1,1-DCE at concentrations of 98 and 0.68 µg/L, respectively. TPHg concentrations are generally consistent with historical results. However, the absence of TPHd and the presence of 1,1-DCE during the sampling event are not. During the last sampling event, TPHd was detected in the groundwater sample collected from well MW-2R at a concentration of 200 µg/L whereas 1,1-DCE was not detected above laboratory PQLs. During this event, no TPHd was detected above PQLs. However, 1,1-DCE was detected just above PQLs at a concentration of 0.68 µg/L.

One deep groundwater sample was collected from boring SB-50, located adjacent to well MW-2R, at a depth of 58 feet bgs. Results from the sample indicate that deep groundwater in the vicinity of boring SB-50 contains TCE and naphthalene at concentrations of 6.3 and 1.5 µg/L, respectively.

Water Supply Well Area

Shallow groundwater was obtained from boring SB-38 at a depth of 25 feet bgs. Shallow groundwater collected from boring SB-38, located just north of the water supply well, had detectable concentrations of TPHg, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, TCE, and vinyl chloride.

One deep groundwater sample was obtained from boring SB-52 at a depth of 51 feet bgs. Boring SB-52 is located north of the water supply well, adjacent to boring SB-38. Results from the sample indicate that deep groundwater in the vicinity of boring SB-52 contains 1,2-DCA at a concentration of 2.2 µg/L. None of the compounds detected in shallow groundwater samples were detected in the deeper sample.

5.0 CONCEPTUAL SITE MODEL AND ENVIRONMENTAL SCREENING LEVELS

This section presents a description of the conceptual site model (CSM) and environmental screening levels (ESLs) used to assess the risk associated with contaminated media at the Site.

5.1 Conceptual Site Model

In order to develop a conceptual understanding for the Site and to evaluate impacts to human and ecological health from contaminated media, information regarding potential chemical sources, chemical release and transport mechanisms, locations of potentially exposed human receptors, and potential exposure routes must be assessed. The CSM associates sources of chemicals with potentially exposed human and ecological receptors along with associated complete exposure pathways.

5.1.1 Potential Sources

The potential source(s) of contaminants released into the environment are interpreted to be leaks associated with the operation of the former three 10,000-Gallon USTs, the former 8,000-gallon mineral spirits/1,1,1-TCA UST, the 550 gallon gasoline UST, and the 12,000 gallon diesel UST.

The migration of TPH and chlorinated VOCs at the Site is interpreted to occur as a result of groundwater flow. However, natural processes such as adsorption, dispersion, and natural degradation are expected to limit the horizontal and vertical extent of TPH and chlorinated VOCs. The primary source of the contaminants, leaks associated with discharges of TPH and chlorinated VOCs from the UST systems, have been terminated. Therefore, the only remaining sources are interpreted to be the affected soil beneath and downgradient of the USTs.

5.1.2 Contaminant Migration Pathways

TPH tends to sorb to soil particles and can be transported from surface soils at the Site via dust generation or in surface water runoff. More volatile organic chemicals detected at the Site (e.g., chlorinated solvents or gasoline-range petroleum hydrocarbons) would not be expected to be present in surface soils, but can migrate downward from shallow soils to deeper soils under the force of gravity. These volatile chemicals could also migrate upward through soil gas into the atmosphere. In addition, these types of chemicals can migrate to underlying groundwater through leaching.

5.1.3 Potential Receptors and Exposure Pathways

As discussed in SGI's report, "Site Investigation Report", the exposure pathways identified to be complete and significant for the Site include:

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

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

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

For the purpose of evaluating risk, the onsite water supply well was evaluated as a potential receptor in the event that there is a connection between the impacted shallow groundwater and deeper groundwater from which the well produces.

5.2 Environmental Screening Levels

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 updated May 2008 (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, 2008) 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:

<u>Surface Water and Groundwater:</u>

- Protection of drinking water resources;
- Protection of aquatic habitats;
- Protection against vapor intrusion into buildings; and
- 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; and
- 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 (SGI, 2007). 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 the Site.

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 the Site.

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

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 the Site.

For this analysis, 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. 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 receptor potentially exposed to chemicals via direct contact exposure pathways. Compounds in which the highest detected concentrations exceeded ESLs were identified as contaminants of potential concern (COPCs). The soil gas, soil, and groundwater screening levels used in this analysis are summarized in Tables 2, 3, and 4 through 5, respectively. A comparison of Site data screened against selected ESLs is provided in the following section.

6.0 EVALUATION OF FINDINGS

As mentioned in Section 3.1, the goal of this investigation related to TPH and VOC contaminants in soil and groundwater underlying the Site were to:

- Assess the discrepancy between soil gas and groundwater data in the vicinity of well MW-8;
- Evaluate the potential for vapor intrusion into the office building located adjacent to the former 550 gallon gasoline UST;
- Assess potential impacts to the onsite water supply well;
- Confirm that deeper groundwater has not been impacted by Site activities; and
- Evaluate the risk to human health associated with contaminant-affected media.

Evaluation of the discrepancy between soil gas results and groundwater data in the vicinity of well MW-8.

During the October/November 2007 investigation, soil gas sample SG-10 collected near well MW-8 contained benzene, toluene, and ethylbenzene at concentrations of 0.21, 0.26, and 0.28 µg/l, respectively (SGI 2007). However, groundwater collected from well MW-8 has never contained benzene, toluene, or ethylbenzene at concentrations above laboratory PQLs (SGI 2007, 2008). The most recent soil gas sample collected from the vicinity of well MW-8 (SG-11) did not have concentrations of benzene or ethylbenzene above laboratory reporting limits but did have toluene at a concentration of 0.23 µg/L. One possible reason for the discrepancy between soil gas and groundwater sample results of monitoring well MW-8 could be related to the difference in laboratory reporting limits between groundwater samples and soil gas samples. Laboratory PQLs for VOCs in groundwater samples collected at well MW-8 during past sampling events were 5 and 0.5 µg/L for the November 2007 and June 2008 sampling events, respectively. Both reporting limits were higher than the concentrations at which benzene, toluene, and ethylbenzene were detected in soil gas sample SG-10 and at which toluene was detected in soil gas sample SG-11. Due to higher laboratory reporting limits in groundwater samples, benzene, ethylbenzene, and toluene could be present in shallow groundwater in the vicinity of well MW-8 at concentrations below PQLs but at high enough concentrations to be detected soil gas samples collected just above the water table at approximately 5 feet bgs.

Evaluation of the potential risk to indoor air for vapor intrusion into the office building located downgradient of the 550 gallon gasoline UST

The layout of the office building is shown in Figure 8 and shows that the ground floor area of the building is located closest to the former 550 gallon gasoline UST is used for storage and inventory control. The south facing side of the ground floor is completely open to the outside environment. Though it does not represent an indoor environment, it will be treated as such for this evaluation. Other adjacent areas

include storage, the employee break room, two offices (human resources [HR] and safety), and the employee locker room. The main office facilities are located on the second floor overlying these areas.

The Site and surrounding areas are currently zoned for commercial/industrial use and they are expected to remain as such in the future. As discussed in section 5.3, the potential receptor relevant to the office building is the hypothetical indoor commercial/industrial worker. The hypothetical indoor commercial/industrial worker is a long-term receptor (i.e., 7 years to a lifetime [USEPA, 1989]) and 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. With the exception of the HR and safety office, the ground floor level is currently used by employees on a sporadic basis. Therefore, ESLs for vapor intrusion into indoor air were used for this evaluation.

Of the four sample locations located in the office building, two sample locations (SG-13 and SG-14) had no detectable concentrations of any compounds. Samples collected from the remaining two locations in the office building and detectable concentrations of PCE, TCE, vinyl chloride, and m,p-xylene. The concentrations of PCE detected in soil gas sample SG-16A at a depth of 0.5 feet below the concrete slab was above its respective ESL under both the residential and commercial exposure scenario. Vinyl chloride was identified at both the SG-16B location in the sample collected from a depth of 5-feet bgs and at the SG-12B location, also collected from a depth of 5-feet bgs. Both vinyl chloride concentrations were above their respective ESL under both the residential and commercial exposure scenarios. The presence of higher concentrations of PCE in shallow soil gas samples, along with the presence of daughter products from the breakdown of PCE in deeper soil gas samples, is interpreted by SGI to be related to isolated surface spills and unrelated to groundwater. None of the groundwater samples collected during past sampling events in the upgradient well, MW-4, had detectable concentrations of PCE or vinyl chloride. Furthermore, the presence of PCE, TCE, and vinyl chloride appear to be confined to the two sample locations collected within 4 feet of each other along the western portion of the warehouse (SB-12 and SB-16). Therefore, although the current maximum concentrations of PCE and vinyl chloride in soil gas exceed the ESLs, they are interpreted be localized and possibly related to surface spills. Soil gas ESLs are summarized in Table 2.

Nature and extent of impacted soil in the vicinity of the 550-Gallon gasoline UST

During this investigation, soil data was collected from three locations (SB-42, SB-44, and SB-45). The exposure pathways considered potentially complete and significant at the Site included direct contact with soil while performing soil invasive activities. The exposure receptor identified includes the hypothetical construction worker receptor and the hypothetical outdoor commercial/industrial worker receptor, future use scenario. Depth to the shallow water-bearing zone is approximately 6 feet bgs. During this investigation, six soil samples (SB-42-40, SB-44-15, SB-44-25, SB-45-5, SB-45-15, and SB-45-20) were collected onsite.

With the exception of two samples none exceeded the deep soil (>3 meters) CRWQCB ESL for both the residential and commercial land use exposure scenario. Only TPHg concentrations in soil sample SB-45-20 and TPHd concentrations in soil sample SB-44-15 exceeded the CRWQCB deep soil ESL for commercial land use of 180 mg/kg. However, both samples were collected within the groundwater zone. Therefore, the presence of TPHg and TPHd in soil is interpreted to be the result of absorption of TPHg and TPHd from affected groundwater and not from another source area.

Evaluation of potential impacts to the onsite water supply well

As indicated in section 2.4, ACEH requested that AB&I submit available sampling results for VOCs and petroleum hydrocarbons in groundwater from the onsite water supply well. AB&I participated in the Ground-Water Ambient Monitoring and Assessment (GAMA) program currently being implemented by the State Water Resource Control Board in coordination with the U.S. Geological Survey and Lawrence Livermore National Laboratory. Groundwater samples were collected from the onsite water supply well in June 2007 and analyzed for VOCs and other water quality parameters. The results of the organic analyses identified the presence of low concentrations (<2 ug/L) of PCE, TCE, and cis-1,2 DCE. The onsite water supply well produces water from depths greater than 300 feet bgs. The absence of chemicals used at the Site, (e.g., 1,1-DCA, 1,1-DCE, and 1,1,1-TCA) in the sample collected from the water supply well and the depths from which the well produces water, suggests that the presence of the VOCs in the water supply well groundwater sample is likely related to other regional, off-site sources of contamination.

Evaluation of potential Impacts to deep groundwater

TPHg, TPHd, 1,2-DCA, TCE, cis-1,2-DCE, and vinyl chloride were detected in deep groundwater underlying the Site. Of those compounds, TPHg, TPHd, TCE, cis-1,2-DCE, and vinyl chloride were also detected in shallow groundwater at the Site. Of the compounds detected in deep groundwater, one compound, 1,2-DCA, has never been detected in shallow groundwater at the Site. Based on the detection of contaminants in deep groundwater also found in shallow groundwater at the Site, contaminants from shallow groundwater may be affecting deep groundwater. However, the presence of 1,2-DCA in deep groundwater and its absence in shallow groundwater, suggests that offsite sources of contamination may also be contributing to deep groundwater impacts.

Sample results from deep groundwater samples were screened against ESLs for groundwater that is not a current or potential source of drinking water. Based on the results, none of the samples had ESL exceedences.

Discussion of shallow groundwater conditions

Shallow groundwater underlying the Site continues to be affected with chlorinated VOCs and TPH at concentrations that are generally stable and consistent with historical results. Groundwater downgradient

of the three former 10,000-gallon diesel USTs is impacted with TPHg, TPHd, and BTEX. Shallow groundwater in the vicinity of the former 8,000-gallon Mineral Spirits/1,1,1-TCA UST is impacted by TPHg and 1,1-DCE. However, TPHd was not detected in shallow groundwater in the vicinity of well MW-2R during the most recent sampling event. Chlorinated VOCs present in the groundwater underlying the parking lot in the vicinity of well MW-8 continue contain the highest concentration of chlorinated VOCs on the Site, which is interpreted by SGI to be related to a release from the former 8,000-Gallon Mineral Spirits/1,1,1-TCA UST, located upgradient of well MW-8. Peripheral wells (MW-3, MW-5, and MW-6) located in the parking lot have lower concentrations of chlorinated VOCs compared to MW-8. MW-6, located downgradient of well MW-8 and near the northern boundary of the Site, had no detectable concentrations of chlorinated VOCs. Shallow groundwater in the vicinity of boring SB-38 at a depth of 25 feet bgs had detectable concentrations of TPHg and chlorinated VOCs, suggesting that contaminant-affected groundwater may be migrating south towards the water supply well in the shallow groundwater zone. A review of lithology underlying the parking lot reveals a gravelly clay layer at a depth of 12 feet bgs to 16 feet bgs. A gravelly clay layer was also observed at boring SB-38 at a depth of 15 to 17 bgs (Figure 6), indicating that a shallow groundwater path may be present. However, deep groundwater in the vicinity of the water supply well is not affected with the same chlorinated VOCs observed in the shallow groundwater zone suggesting that the water supply well is unlikely to be drawing down contaminants from the shallow groundwater zone.

Evaluation of risk - Shallow Groundwater

During the June/July 2008 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 evaluated. Groundwater COPCs were identified by a comparison between maximum detected concentrations in groundwater and appropriate groundwater ESLs.

As mentioned in section 5, ingestion and dermal contact of groundwater is not considered to be a significant and complete exposure pathway for any of the receptors under the current use scenario. The inhalation of vapors in indoor air generated from contaminant-affected groundwater is considered the only significant and complete exposure pathway. Therefore, groundwater ESLs for vapor intrusion to indoor air were used for this evaluation.

The only complete and significant exposure pathway for the indoor commercial/industrial worker is the 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, only vinyl chloride was identified as a COPC in groundwater for the hypothetical indoor commercial/industrial worker receptor. Of the four groundwater monitoring wells located in the Parking Lot Area, vinyl chloride exceeded its respective ESL in the sample collected from monitoring wells MW-3 and MW-8 (Figure 9). Monitoring wells MW-3 and MW-8 are located in the parking lot area away from any buildings. Therefore, vapor intrusion into indoor

air is not expected to constitute a significant risk to the hypothetical indoor commercial/industrial worker receptor under the current exposure scenario. However vapor intrusion into indoor air may constitute a risk to the hypothetical indoor commercial/industrial worker receptor under the future exposure scenario.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the review of current and historical data obtained from soil gas, soil, and groundwater sampling, it is SGI's opinion that the extent of contaminant-affected soil and groundwater, and the risk associated with contaminant-affected media for the Site, has been adequately defined. Results from current and previous soil data indicate that the source areas have been removed and residual soil contamination is likely the result of absorption of contaminant mass from the saturated zone. TPH and chlorinated VOCs are present in shallow groundwater underlying the Site. Based on a comparison of Site data against ESLs for the identified exposure receptor, the hypothetical indoor commercial/industrial worker, no exceedences were identified. However, groundwater collected from two wells located in the parking lot had concentrations above ESLs for vinyl chloride, indicating that vapor intrusion into indoor air may constitute a risk to the hypothetical indoor commercial/industrial worker receptor under the future exposure scenario. Soil gas collected in the vicinity of the office building had exceedences in two locations for vinyl chloride at 5-feet bgs and for PCE in one location at 0.5-feet bgs. Based on the location and nature of contaminants, the presence of both compounds is interpreted by SGI to be related to surface spills and unrelated to contaminant-affected groundwater.

Deep groundwater underlying the Site contains concentrations of TPH and low concentrations of chlorinated VOCs, none of which are at concentrations that exceed ESLs. The presence of these compounds is interpreted by SGI to be related to a combination of site activities and onsite migration from offsite sources. Samples collected from the water supply well did not reveal the presence of a number of chlorinated VOCs detected in shallow groundwater at the Site (e.g., 1,1-DCA, 1,1-DCE, and 1,1,1-TCA) indicating that it is unlikely that contaminant-affected groundwater at the Site has impacted the water supply well.

Based on ESL exceedences in groundwater for the hypothetical indoor commercial/industrial worker receptor under the future exposure scenario, ESL exceedences for vinyl chloride and PCE in soil gas underlying the office building, and the potential for exposure of the hypothetical onsite construction worker receptor to affected media, SGI recommends the following:

- An additional soil gas survey from beneath the concrete slab located in the break room and adjacent areas of the office building to confirm that PCE and vinyl chloride exceedences in soil gas samples are localized and do not pose a threat to indoor air quality;
- The development of a risk management plan to address human health risks associated with the hypothetical indoor/outdoor commercial/industrial worker receptor under the future exposure scenario and the hypothetical onsite construction worker receptor under the current and future exposure scenarios; and
- An administrative control in the form of a deed restriction be implemented as part of Site closure. The deed restriction would specify that the area of soil and groundwater impact would limit the

Site to commercial use. The deed restriction would follow a format acceptable to ACEH and run with the land indefinitely.

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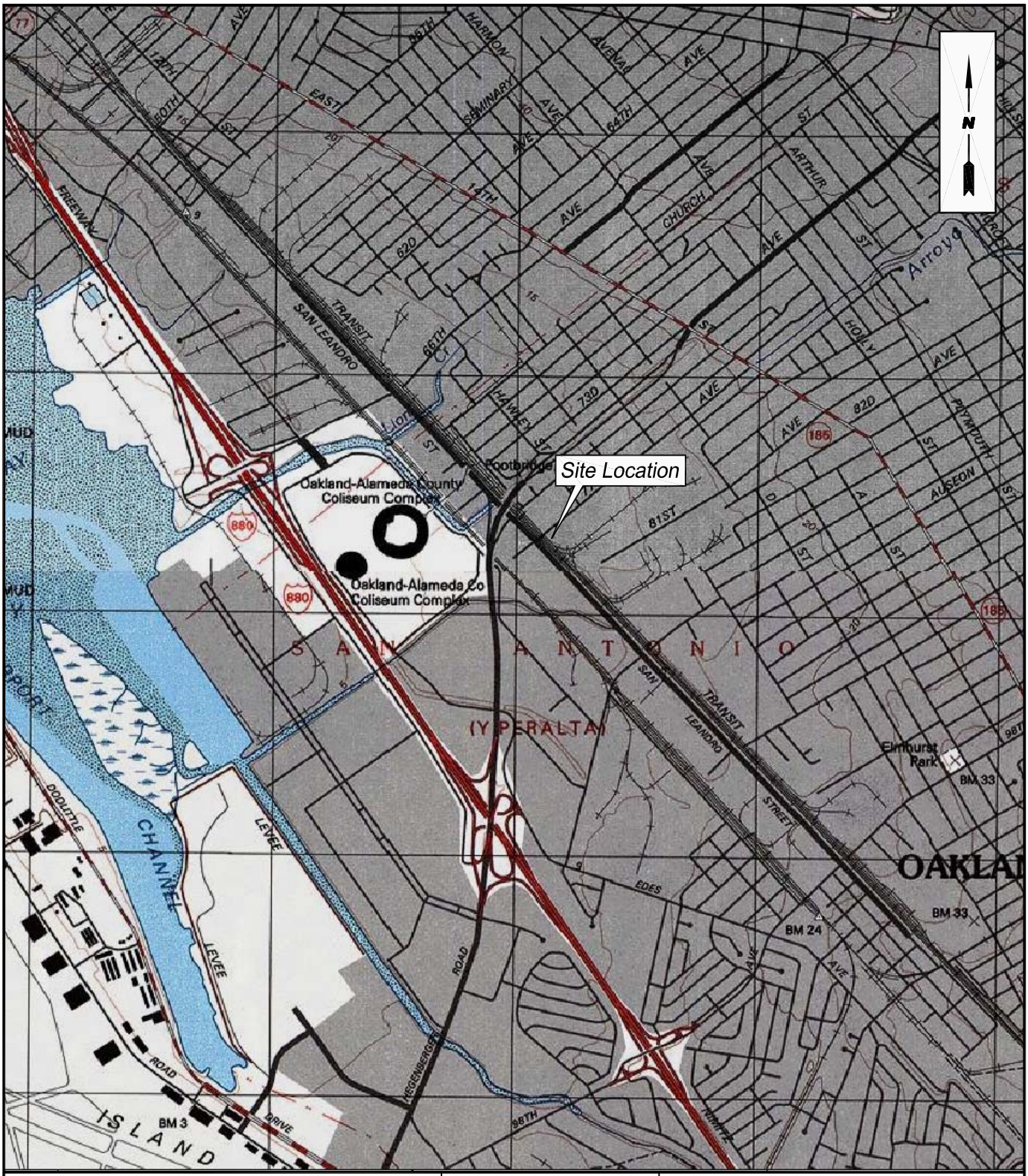
FIGURES



SGI environmental **THE SOURCE GROUP, INC.**

3451-C VINCENT ROAD
PLEASANT HILL, CA 94523

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

SCALE: 0 FEET 2000 SCALE

SITE LOCATION MAP

CLIENT: AB&I FOUNDRY

DATE: 6/27/07

LOCATION: 7825 San Leandro Street
Oakland, California

FIGURE: 1

SAN LEANDRO STREET

76TH AVENUE

Approximate Limits of Excavation

Former 550-gallon Gasoline UST

Former Fuel Dispenser Islands

Former Concrete Pad

Approximate location of three 10,000-gallon USTs

Fuel Dispenser

MW-6

MW-3

MW-5

MW-4

MW-9

Former 8,000-gallon Gasoline UST

Finished Goods Storage

Shipping Yard

MW-8

MW-2

Former 8,000-gallon Mineral Spirits/1,1,1-TCA UST

MW-2R

Approximate Limits of Excavation

Pattern Storage

Fuel Pump and Piping

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

Production Area

HEAVY EQUIPMENT AREA (INACCESSIBLE)

Former Three 10,000-Gallon USTs Area

Pipe Finishing

Parking Lot Area

Former 10,000-Gallon Diesel UST Area

MW-7

Former 10,000-gallon Diesel UST Area

Approximate Limits of Excavation

SHED

MW-1

1,000-gallon Diesel AST

Custom Finishing

Elmhurst Creek

SCRAP PILE AREA

HEAVY EQUIPMENT AREA (INACCESSIBLE)

Waste Sand Storage

Water Supply Well

Stormwater Treatment System

N

0 FEET 80

SCALE

UNION PACIFIC RAILROAD

Legend

MW-1	Existing Monitoring Well Location (BSK, 1993, 2006)
MW-1	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

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

Date: 1/19/08

Figure: 2

All figures.dwg

SAN LEANDRO STREET

UNION PACIFIC RAILROAD

Approximate Limits of Excavation
Former 550-gallon Gasoline UST
Former Fuel Dispenser Islands
Former Concrete Pad
Approximate location of three 10,000-gallon USTs
Former 8,000-gallon Gasoline UST
Fuel Dispenser
Former 8,000-gallon Mineral Spirits/1,1,1-TCA UST
Approximate Limits of Excavation
Finished Goods Storage
Pattern Storage
Shipping Yard
Fuel Pump and Piping
HEAVY EQUIPMENT AREA (INACCESSIBLE)
Pipe Finishing
Former 10,000-gallon Diesel UST Area
Approximate Limits of Excavation
1,000-gallon Diesel AST
SHED
SCRAP PILE AREA
Water Supply Well
Stormwater Treatment System
Elmhurst Creek

A A' B B' C C'

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9 SB-10 SB-11 SB-12 SB-13 SB-14 SB-15 SB-16 SB-17 SB-18 SB-19 SB-20 SB-21 SB-22 SB-23 SB-24 SB-25 SB-26 SB-27 SB-28 SB-29 SB-30 SB-31 SB-32 SB-33 SB-34 SB-35 SB-36 SB-37 SB-38 SB-39 SB-40 SB-41 SB-42 SB-44 SB-45 SB-46 SB-47 SB-48 SB-49 SB-50 SB-51 SB-52

MW-1 MW-2 MW-2R MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9

SG-1 SG-2 SG-3 SG-4 SG-5 SG-6 SG-7 SG-8 SG-9 SG-10 SG-11 SG-12 SG-13 A,B SG-14 SB16 A,B

0 FEET 70
SCALE

N

Legend

MW-7	Existing Monitoring Well Location (BSK, 1993, 2006)
MW-2	Abandoned Monitoring Well (BSK, 2006)
△	Soil Gas Sample Location (SGI, 2007, 2008)
▲	Soil Gas Sample Location (SGI 2008)
●	Soil Sample (SGI, 2007, 2008)
⊕	Grab Groundwater Sample (SGI, 2007)
⊕	Soil and Grab Groundwater Sample (SGI, 2007, 2008)
UST	Underground Storage Tank
1,1,1-TCA	1,1,1-trichloroethane
A —— A'	Cross Section

SAMPLE and CROSS SECTION LOCATION MAP

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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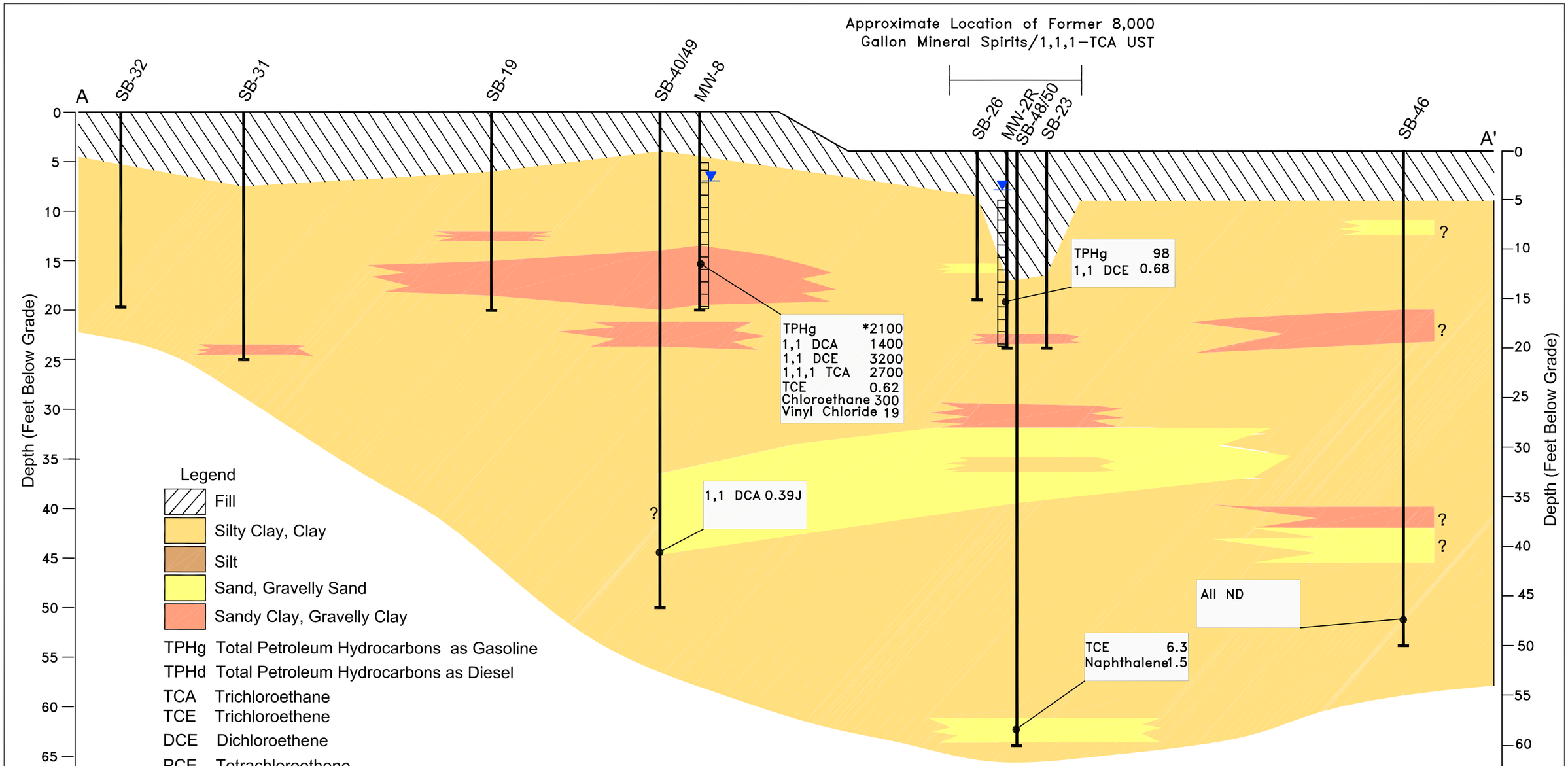
3451-C VINCENT ROAD
PLEASANT HILL, CA 94523

Date: 1/19/08

Figure: 3

All figures.dwg



Legend

- Fill
- Silty Clay, Clay
- Silt
- Sand, Gravelly Sand
- Sandy Clay, Gravelly Clay

TPHg Total Petroleum Hydrocarbons as Gasoline
TPHd Total Petroleum Hydrocarbons as Diesel
TCA Trichloroethane
TCE Trichloroethene
DCE Dichloroethene
PCE Tetrachloroethene
*2100 Reported due to the presence of discrete peaks
0.39j Estimated Value due to concentration approaching practical quantitation limit (PQL)
ND Analyte not detected
● Groundwater Sample (SGI, 2008)
Well Screen Interval
UST Underground Storage Tank
▼ Static Groundwater (SGI, June 2008)

Notes:

1. All concentrations reported in micrograms per liter (µg/L)
2. Compounds not shown were not detected at or below laboratory practical quantitation limits (PQLs) or were not analyzed (see Tables 4 & 5)
3. MW = monitoring well (BSK, 2006)
4. SB = soil boring
5. TPHg and TPHd analyzed using EPA Method 8015M
6. Volatile organic compounds (VOCs) analyzed using EPA method 8260B

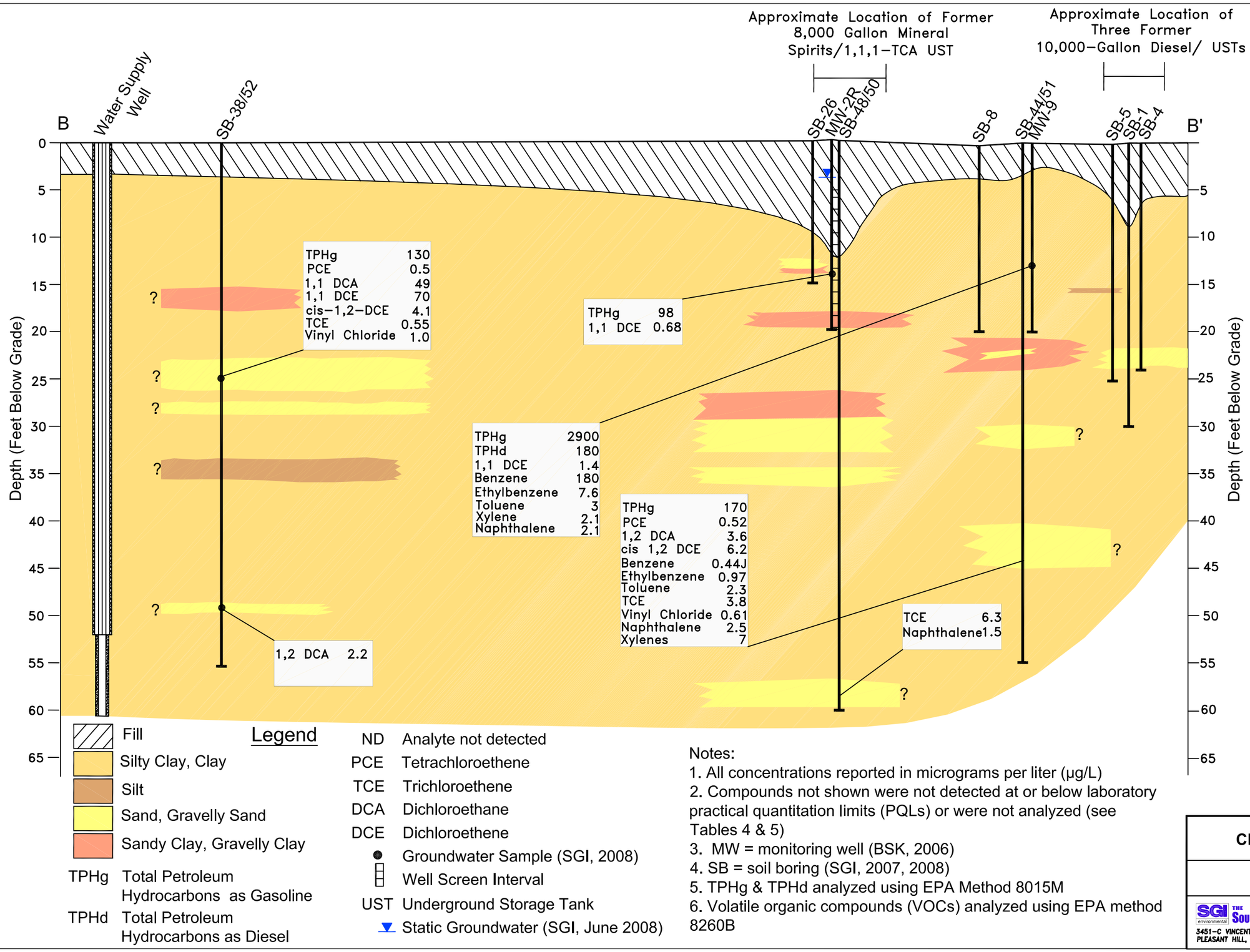
Scale:
Horizontal 1"=50'
Vertical 1"=10'

CROSS SECTION A-A'

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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

Date: 11/24/07
Figure: 4
All figures.dwg



Legend

- Fill
- Silty Clay, Clay
- Silt
- Sand, Gravelly Sand
- Sandy Clay, Gravelly Clay

TPHg Total Petroleum Hydrocarbons as Gasoline

TPHd Total Petroleum Hydrocarbons as Diesel

ND Analyte not detected
PCE Tetrachloroethene
TCE Trichloroethene
DCA Dichloroethane
DCE Dichloroethene
Groundwater Sample (SGI, 2008)
Well Screen Interval
UST Underground Storage Tank
Static Groundwater (SGI, June 2008)

Notes:
1. All concentrations reported in micrograms per liter (µg/L)
2. Compounds not shown were not detected at or below laboratory practical quantitation limits (PQLs) or were not analyzed (see Tables 4 & 5)
3. MW = monitoring well (BSK, 2006)
4. SB = soil boring (SGI, 2007, 2008)
5. TPHg & TPHd analyzed using EPA Method 8015M
6. Volatile organic compounds (VOCs) analyzed using EPA method 8260B

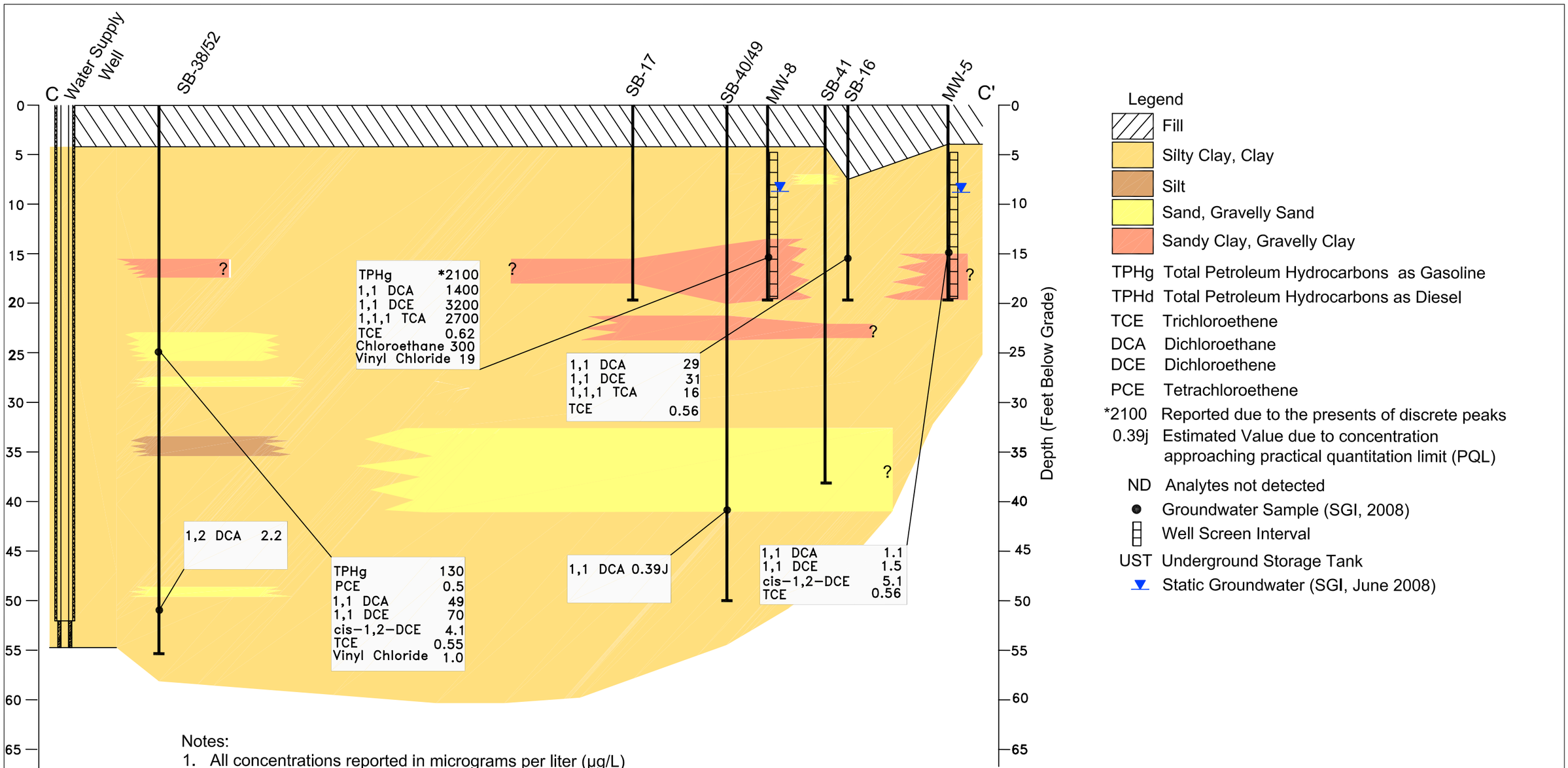
Scale:
Horizontal 1"=50'
Vertical 1"=10'

CROSS SECTION B-B'

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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

Date: 11/24/07
Figure: 5
All figures.dwg



Legend

- Fill
- Silty Clay, Clay
- Silt
- Sand, Gravelly Sand
- Sandy Clay, Gravelly Clay

TPHg Total Petroleum Hydrocarbons as Gasoline
TPHd Total Petroleum Hydrocarbons as Diesel
TCE Trichloroethene
DCA Dichloroethane
DCE Dichloroethene
PCE Tetrachloroethene
*2100 Reported due to the presents of discrete peaks
0.39j Estimated Value due to concentration approaching practical quantitation limit (PQL)
ND Analytes not detected
Groundwater Sample (SGI, 2008)
Well Screen Interval
UST Underground Storage Tank
Static Groundwater (SGI, June 2008)

Notes:

1. All concentrations reported in micrograms per liter (µg/L)
2. Compounds not shown were not detected at or below laboratory practical quantitation limits (PQLs) or were not analyzed (see Tables 4 & 5)
3. MW = monitoring well (BSK, 2006)
4. SB = soil boring (SGI, 2007, 2008)
5. TPHg and TPHd analyzed using EPA Method 8015M
6. Volatile organic compounds (VOCs) analyzed using EPA method 8260B

Scale:
Horizontal 1"=50'
Vertical 1"=10'

CROSS SECTION C-C'

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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

Date: 11/24/07
Figure: 6
All figures.dwg

SAN LEANDRO STREET

76TH AVENUE

Approximate Limits of Excavation
Former 550-gallon Gasoline UST
Former Fuel Dispenser Islands
Former Concrete Pad
Approximate location of three 10,000-gallon USTs
Fuel Dispenser
Finished Goods Storage
Shipping Yard
Former 8,000-gallon Gasoline UST
Former 8,000-gallon Mineral Spirits/1,1,1-TCA UST
Approximate Limits of Excavation
Pattern Storage
Fuel Pump and Piping
HEAVY EQUIPMENT AREA (INACCESSIBLE)
Pipe Finishing
Custom Finishing
Former 10,000-gallon Diesel UST Area
Approximate Limits of Excavation
1,000-gallon Diesel AST
SHED
SCRAP PILE AREA
Waste Sand Storage
Water Supply Well
Elmhurst Creek
Stormwater Treatment System

MW-6 (1.52)
MW-3 (2.30)
MW-5 (2.46)
MW-4 (3.12)
MW-9 (3.58)
MW-8 (2.77)
MW-2
MW-2R (3.20)
MW-7 (3.84)
MW-1 (3.38)

1.5
2.0
2.5
3.0
3.5

UNION PACIFIC RAILROAD

N

0 FEET 80
SCALE

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
	Groundwater Elevation Contour (in feet above mean sea level)
	Groundwater Flow Direction

POTENTOMETRIC SURFACE MAP
June 12, 2008

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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

Date: 1/20/08
Figure: 7
All figures.dwg

SG-12	
Depth	5'
PCE	<0.1
Vinyl Chloride	2.1
1,1-DCE	<0.1
Benzene	<0.08
Toluene	0.27
Ethylbenzene	<0.1
m,p-xylene	<0.2

SG-13		
Depth	A-0.5'	B-5'
PCE	<0.1	<0.1
Vinyl Chloride	<0.05	<0.05
Chloroethane	<0.1	<0.1
Benzene	<0.08	<0.08
Toluene	<0.1	<0.1
Ethylbenzene	<0.1	<0.1
m,p-xylene	<0.2	<0.2

SG-16		
Depth	A-0.5'	B-5'
PCE	3.2	0.58
Vinyl Chloride	<0.05	3.7
TCE	0.14	<0.1
Benzene	<0.08	0.17
Toluene	<0.1	<0.1
Ethylbenzene	<0.1	<0.1
m,p-xylene	2.2	<0.2

SG-14	
Depth	5'
PCE	<0.1
Vinyl Chloride	<0.05
Chloroethane	<0.1
Benzene	<0.08
Toluene	<0.1
Ethylbenzene	<0.1
m,p-xylene	<0.2

SG-11	
Depth	5'
PCE	<0.1
Vinyl Chloride	<0.05
1,1-DCA	0.19
1,1-DCE	0.15
Benzene	<0.08
Toluene	0.23
Ethylbenzene	<0.1
m,p-xylene	<0.2

Approximate Limits of Excavation
Former 550-gallon Gasoline UST
Former Fuel Dispenser Islands
Approximate location of three 10,000-gallon USTs
Former 8,000-gallon Gasoline UST
Former 8,000-gallon Mineral Spirits/1,1,1-TCA UST
Approximate Limits of Excavation
Finished Goods Storage
Pattern Storage
Fuel Dispenser

MW-2, MW-2R, MW-3, MW-4, MW-5, MW-8
SG-1, SG-2, SG-3, SG-4, SG-5, SG-6, SG-7, SG-8, SG-10, SG-11, SG-12, SG-13 A,B, SG-14
SB16 A,B

Janitors Closet, Front Entrance, Safety Training Area, Storage Area, Vending Machine Room, Locker Area, Shower Area, Circular Sink, Storage Area, Break Room, HR (office), Safety (office), Electrical Panel Room, Locker Area, Circular Sink

Legend

- MW-7 — *Existing Monitoring Well Location*
- MW-2 — *Abandoned Monitoring Well*
- △ — *Soil Gas Sample Location (SGI 2007)*
- ▲ — *Soil Gas Sample Location (SGI 2008)*
- *PCE* — *Tetrachloroethene*
- *UST* — *Underground Storage Tank*
- *1,1,1-TCA* — *1,1,1-trichloroethane*
- <0.20 — *Concentrations reported at or below the laboratory reporting limit of 0.20 (µg/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, updated May 2008, Table E.

N

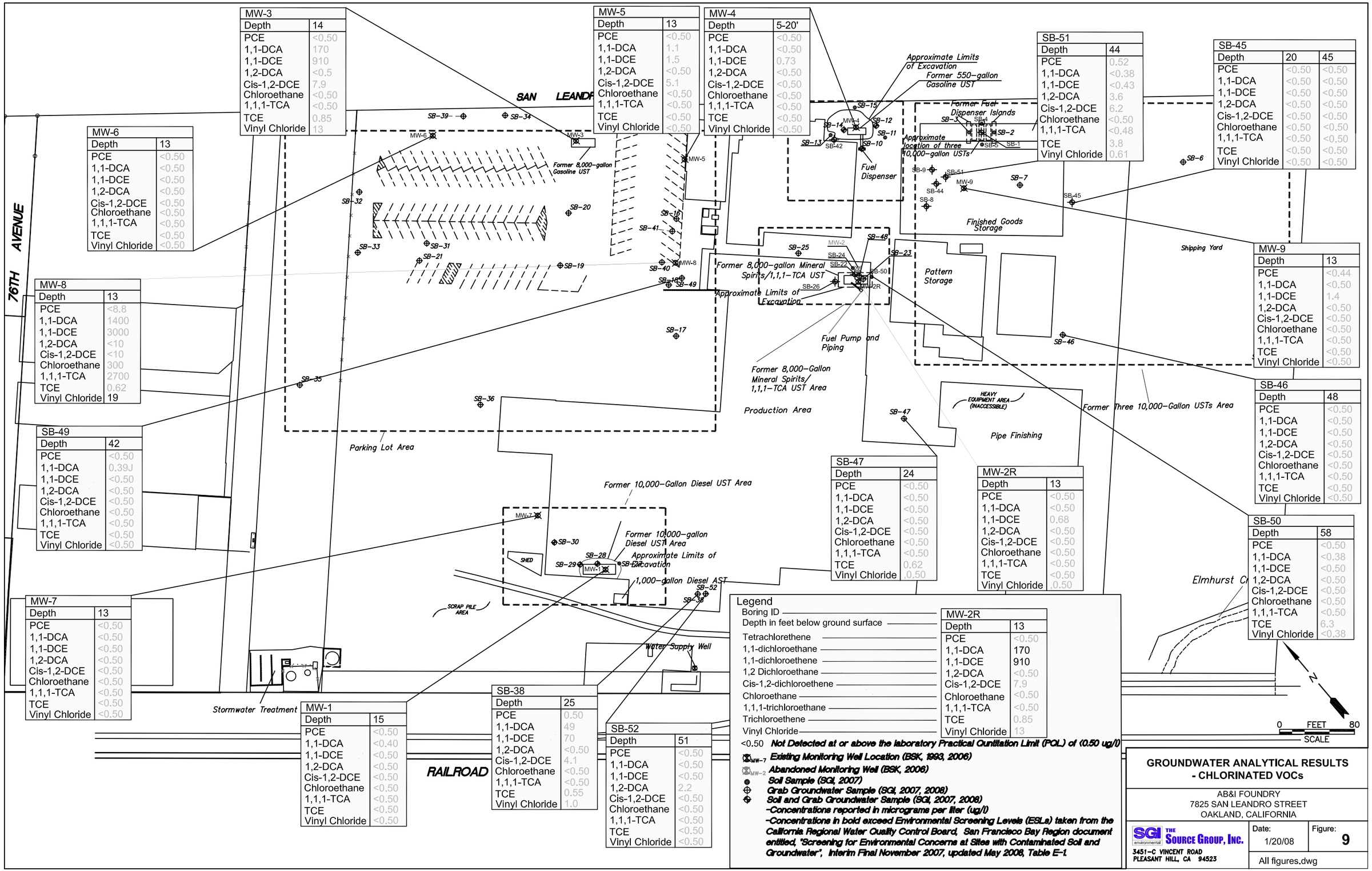
0 FEET 30
SCALE

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: 1/20/08
Figure: 8
All figures.dwg



MW-3	
Depth	14
PCE	<0.50
1,1-DCA	170
1,1-DCE	910
1,2-DCA	<0.5
Cis-1,2-DCE	7.9
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	0.85
Vinyl Chloride	13

MW-5	
Depth	13
PCE	<0.50
1,1-DCA	1.1
1,1-DCE	1.5
1,2-DCA	<0.50
Cis-1,2-DCE	5.1
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

MW-4	
Depth	5-20'
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	0.73
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

SB-51	
Depth	44
PCE	0.52
1,1-DCA	<0.38
1,1-DCE	<0.43
1,2-DCA	3.6
Cis-1,2-DCE	6.2
Chloroethane	<0.50
1,1,1-TCA	<0.48
TCE	3.8
Vinyl Chloride	0.61

SB-45		
Depth	20	45
PCE	<0.50	<0.50
1,1-DCA	<0.50	<0.50
1,1-DCE	<0.50	<0.50
1,2-DCA	<0.50	<0.50
Cis-1,2-DCE	<0.50	<0.50
Chloroethane	<0.50	<0.50
1,1,1-TCA	<0.50	<0.50
TCE	<0.50	<0.50
Vinyl Chloride	<0.50	<0.50

MW-6	
Depth	13
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

MW-8	
Depth	13
PCE	<8.8
1,1-DCA	1400
1,1-DCE	3000
1,2-DCA	<10
Cis-1,2-DCE	<10
Chloroethane	300
1,1,1-TCA	2700
TCE	0.62
Vinyl Chloride	19

MW-9	
Depth	13
PCE	<0.44
1,1-DCA	<0.50
1,1-DCE	1.4
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

SB-46	
Depth	48
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

SB-49	
Depth	42
PCE	<0.50
1,1-DCA	0.39J
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

SB-47	
Depth	24
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	0.62
Vinyl Chloride	0.50

MW-2R	
Depth	13
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	0.68
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	0.50

SB-50	
Depth	58
PCE	<0.50
1,1-DCA	<0.38
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	6.3
Vinyl Chloride	<0.38

MW-7	
Depth	13
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

MW-1	
Depth	15
PCE	<0.50
1,1-DCA	<0.40
1,1-DCE	<0.50
1,2-DCA	<0.50
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

SB-38	
Depth	25
PCE	0.50
1,1-DCA	49
1,1-DCE	70
1,2-DCA	<0.50
Cis-1,2-DCE	4.1
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	0.55
Vinyl Chloride	1.0

SB-52	
Depth	51
PCE	<0.50
1,1-DCA	<0.50
1,1-DCE	<0.50
1,2-DCA	2.2
Cis-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	<0.50
Vinyl Chloride	<0.50

Legend

Boring ID
Depth in feet below ground surface
Tetrachlorethene
1,1-dichloroethane
1,1-dichloroethene
1,2 Dichloroethane
Cis-1,2-dichloroethene
Chloroethane
1,1,1-trichloroethane
Trichloroethene
Vinyl Chloride

MW-2R	
Depth	13
PCE	<0.50
1,1-DCA	170
1,1-DCE	910
1,2-DCA	<0.50
Cis-1,2-DCE	7.9
Chloroethane	<0.50
1,1,1-TCA	<0.50
TCE	0.85
Vinyl Chloride	13

<0.50 ***Not Detected at or above the laboratory Practical Quantitation Limit (PQL) of (0.50 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, 2008)

Soil and Grab Groundwater Sample (SGI, 2007, 2008)

-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, updated May 2008, Table E-1.

GROUNDWATER ANALYTICAL RESULTS - CHLORINATED VOCs

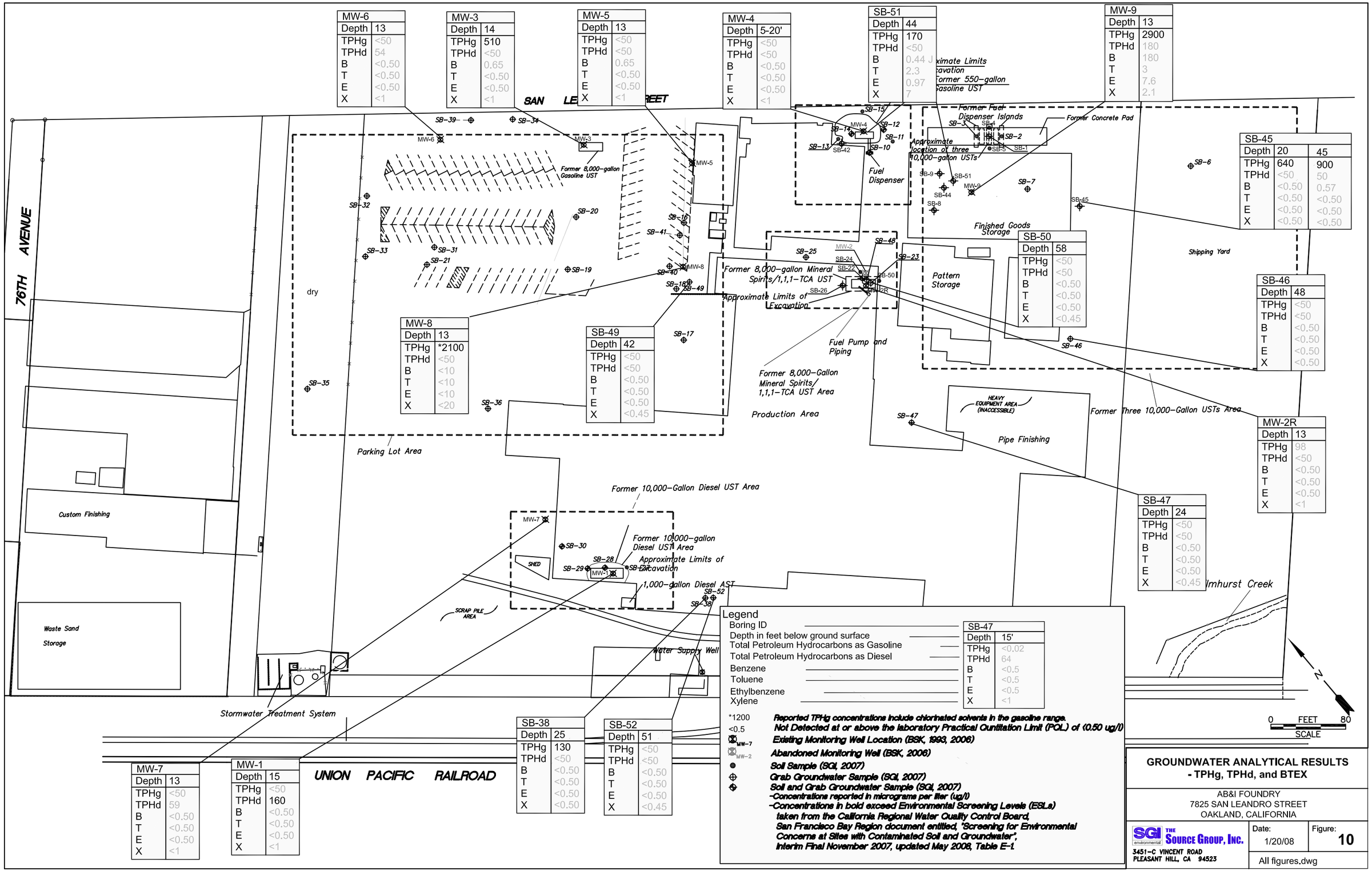
AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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

Date: 1/20/08

Figure: 9

All figures.dwg



GROUNDWATER ANALYTICAL RESULTS - TPHg, TPHd, and BTEX

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

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

Date: 1/20/08

Figure: 10

All figures.dwg

TABLES

Table 1

Well Construction Details[1] and Groundwater Elevation Data for June 2008

AB&I Foundry
7825 San Leandro Street
Oakland, California

Well Number	Total Depth[1]	Solid Casing[2]	Screened Interval[3]			Top of Casing *(feet, msl[4])*	Depth to Water *(feet, btoc[5])*	Groundwater Elevation *(feet, msl[6])*
MW-1	23	0-10	10.00	-	20.00	9.6	6.22	3.38
MW-2	17	0-8	8.00	-	17.00	NM	NM	Destroyed
MW-2R	20.5	0-5	5.00	-	20.00	7.49	4.29	3.20
MW-3	19.5	0-9	9.00	-	19.00	9.9	7.60	2.30
MW-4	26.5	0-10	10.00	-	25.00	10.49	7.37	3.12
MW-5	20.5	0-5	5.00	-	20.00	10.92	8.46	2.46
MW-6	20.5	0-5	5.00	-	20.00	10.19	8.67	1.52
MW-7	20.5	0-5	5.00	-	20.00	10.61	6.77	3.84
MW-8	20.5	0-5	5.00	-	20.00	11.19	8.42	2.77
MW-9	20.5	0-5	5.00	-	20.00	7.95	4.37	3.58

Notes:

1) All values describe construction details in feet below ground surface
2) All monitoring wells constructed with 2" I.D. schedule 40 PVC; monitoring well MW-2 constructed with 4" 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 June 12, 2008
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	Purge Volume	Depth (feet bgs)	Date	PCE	TCE	1,1-DCE	1,1,-DCA	Benzene	Toluene	Vinyl Chloride	m,p-xylene
RWQCB ESLs	**Residential**			**0.41**	**1.2**	**42**	**1.5**	**0.084**	**63**	**0.031**	**21**
	Commercial			**1.4**	**4.1**	**120**	**5.1**	**0.28**	**180**	**0.1**	**58**
SG-11	1	5.0	7/7/08	<0.1	<0.1	0.15	0.19	<0.08	0.23	<0.05	<0.2
SG-11	3	5.0	7/7/08	<0.1	<0.1	0.16	0.19	<0.08	<0.1	<0.05	<0.2
SG-11	7	5.0	7/7/08	<0.1	<0.1	0.16	0.19	<0.08	<0.1	<0.05	<0.2
SG-12	1	5.0	7/7/08	<0.1	<0.1	<0.1	<0.1	<0.08	0.27	**2.1**	<0.2
SG-12 (D)	1	5.0	7/7/08	<0.1	<0.1	<0.1	<0.1	<0.08	0.32	**2.9**	<0.2
SG-13A	1	Sub Slab	7/7/08	<0.1	<0.1	<0.1	<0.1	<0.08	<0.1	<0.05	<0.2
SG-13B	1	5.0	7/7/08	<0.1	<0.1	<0.1	<0.1	<0.08	<0.1	<0.05	<0.2
SG-14	1	5.0	7/7/08	<0.1	<0.1	<0.1	<0.1	<0.08	<0.1	<0.05	<0.2
SG-16A	1	Sub Slab	7/7/08	**3.2**	0.14	<0.1	<0.1	<0.08	<0.1	<0.05	0.22
SG-16B	1	5.0	7/7/08	0.58	<0.1	<0.1	<0.1	0.17	<0.1	**3.7**	<0.2

Notes:

- all concentrations expressed in micrograms per liter (µg/l)
(D) - Duplicate sample
feet bgs - feet below ground surface
PCE - Tetrachloroethene
TCE - Trichloroethene
1,1 - DCE - 1,1 - Dichloroethene
1,1 - DCA - 1,1 - Dichloroethane
1,1,1-TCA - 1,1,1-Trichloroethane
<0.10 - Not reported at or above laboratory's reporting limit of 0.10 µg/L
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, updated May 2008, Residential and Commercial/Industrial Land Use.
- Samples analyzed using EPA Method 8260B by Transglobal Environmental Geochemistry, Rancho Cordova, California
- Concentrations in bold exceed ESLs for indoor air vapor intrusion concerns - Commercial/Industrial Use

Table 3
Summary of Soil Sample Results - Organics
AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	Benzene	Isopropylbenzene	n-butylbenzene	sec-butylbenzene
Units	(feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RWQCB ESLs	**Residential**		**180**	**180**	**2**	**NE**	**NE**	**NE**
	Commercial		**180**	**180**	**2**	**NE**	**NE**	**NE**
Former Three 10,000-Gallon USTs								
SB-44-15	15	7/11/2008	150	**580**	0.11	0.45	0.47	0.27
SB-44-25	25	7/11/2008	0.22	1.1	<1.0	<0.80	<0.78	<0.68
SB-45-5	5	7/10/2008	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0
SB-45-15	15	7/10/2008	66	<1.0	<250	<250	<250	<250
SB-45-20	20	7/10/2008	**360**	<1.0	<250	<250	0.25	<250
Former 550-Gallon Gasoline UST								
SB-42-40	40	7/9/2008	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0

Notes:

(mg/kg) - all concentrations expressed in milligrams per kilogram (mg/Kg)

TPHg - Total Petroleum Hydrocarbons as Gasoline

TPHd - Total Petroleum Hydrocarbons as Diesel

-VOCs analyzed using EPA Method 8260B by Advanced Technology Laboratories (ATL), Signal Hill, California

-TPHg and TPHd analyzed using EPA Method 8015M with silica gel cleanup by Advanced Technology Laboratories (ATL), Signall Hill, 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, updated May 2008, Residential and Commercial/Industrial land use.

-Concentrations in bold exceed commercial ESLs for deep soil (greater than 3 meters).

Table 4
Summary of Groundwater Monitoring Well Sample Results
AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	PCE	1,1 - DCA	1,1 - DCE	1,2-DCA	trans 1,2-DCE	cis 1,2-DCE	Benzene	Chloroethane	Ethylbenzene	Toluene	1,1,1-TCA	TCE	Vinyl chloride	Naphthalene	Xylenes, Total
Units	(feet bgs)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
RWQCB ESLs[1]			**NE**	**NE**	**420**	**3,400**	**18,000**	**690**	**19,000**	**17,000**	**1,800**	**2,700**	**170,000**	**530,000**	**360,000**	**11,000**	**13.0**	**11,000**	**160,000**
RWQCB ESLs[2]			**NE**	**NE**	**120**	**1,000**	**6,300**	**200**	**6,700**	**6,200**	**540**	**820**	**170,000**	**350,000**	**130,000**	**530**	**3.8**	**3,200**	**160,000**
MISC																			
MW-1		6/13/2008	<50	160	<0.50	0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1
MW-2R		6/13/2008	98	<50	<0.50	<0.50	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1
MW-3		6/12/2008	*510	<50	<0.50	170	910	<0.50	0.54	7.9	0.65	<0.50	<0.50	<0.50	<0.50	0.85	**13**	<0.50	<1
MW-4		6/12/2008	<50	<50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1
MW-5		6/12/2008	<50	<50	<0.50	1.1	1.5	<0.50	2	5.1	0.65	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1
MW-6		6/12/2008	<50	54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1
MW-7		6/13/2008	<50	59	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1
MW-8		6/12/2008	*2100	<50	<8.8	1400	3200	<10	<10	<10	<10	300	<10	<10	2700	0.62	**19**	<10	<20
MW-8 (D)		6/12/2008	2100	<50	<8.8	1300	3000	<10	<10	<10	<10	310	<10	<10	2500	0.62	**19**	<10	<20
MW-9		6/12/2008	2900	180	<0.44	<0.50	1.4	<0.50	<0.50	<0.50	180	<0.50	7.6	3	<0.50	<0.50	<0.50	2.1	2.1

Notes:

NE	-value not established
feet bgs	- feet below ground surface
(D)	- Duplicate sample
*510	Reported due to the presence of discrete peaks
TPHg	- Total Petroleum Hydrocarbons as Gasoline
TPHd	- Total Petroleum Hydrocarbons as Diesel
PCE	- Tetrachloroethene
TCE	- Trichloroethene
1,1 - DCE	- 1,1 - Dichloroethene
1,1 - DCA	- 1,1 - Dichloroethane
1,1,1-TCA	- 1,1,1-Trichloroethane
1,2 - DCA	- 1,2-Dichloroethane
trans-1,2-DCE	- Trans-1,2-dichloroethene
cis-1,2-DCE	- Cis-1,2-dichloroethene
	- all concentrations expressed in micrograms per liter (µg/l)
<0.50	- Not reported at or above laboratory's reporting limit of 0.50 µg/L

RWQCB ESLs[1] ' - 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, updated May 2008, commercial land use.

RWQCB ESLs[2] ' - 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, updated May 2008, residential land use.

-TPHg, TPHd, and VOCs analyzed using EPA Methods 8015B(M) and 8260B by Advanced Technology Laboratories (ATL), Signal Hill, California

-Concentrations in bold exceed ESLs for vapor intrusion concearns - residential land use.

Table 5
Summary of Grab Groundwater Sample Results
AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Sampling Method	Depth	Date	TPHg	TPHd	PCE	1,1 - DCA	1,1 - DCE	1,2-DCA	trans 1,2-DCE	cis 1,2-DCE	Benzene	Chloroethane	Ethylbenzene	Toluene	1,1,1-TCA	TCE	Vinyl chloride	Naphthalene	Xylenes, Total
Units	PVC/HP	(feet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
RWQCB ESLs[1]				**NE**	**NE**	**420**	**3,400**	**18,000**	**690**	**19,000**	**17,000**	**1,800**	**2,700**	**170,000**	**530,000**	**360,000**	**11,000**	**13.0**	**11,000**	**160,000**
RWQCB ESLs[2]				**NE**	**NE**	**120**	**1,000**	**6,300**	**200**	**6,700**	**6,200**	**540**	**820**	**170,000**	**350,000**	**130,000**	**530**	**3.8**	**3,200**	**160,000**
Former Three 10,000-Gallon USTs																				
SB-51-GW44	PVC	44	7/12/2008	170	<50	0.52	<0.38	<0.43	3.6	<0.41	6.2	0.44J	<0.50	0.97	2.3	<0.48	3.8	0.61	2.5	7
SB-45-GW20	HP	20	7/10/2008	640	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-45-GW45	PVC	45	7/10/2008	900	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-46-GW48	HP	48	7/10/2008	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Former 8,000-Gallon Mineral Spirits/ 1,1,1-TCA UST																				
SB-50-GW58	HP	58	7/12/2008	<50	<50	<0.50	<0.38	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	<0.38	1.5	<0.45
Parking Lot Area																				
SB-49-GW42	HP	42	7/12/2008	<50	<50	<0.50	0.39J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.45
SB-949-GW42(D)	HP	42	7/12/2008	<50	<56	<0.50	0.38J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.43 J	<0.38	<0.50	<0.45
Water Supply Well Area																				
SB-52-GW51	HP	51	7/12/2008	<50	<50	<0.50	<0.50	<0.50	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.45
SB-47-GW24	PVC	24	7/11/2008	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<0.50	<0.50	<0.45
SB-38-GW25	PVC	25	7/8/2008	130	<50	0.50	49	70	<0.50	<0.50	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	1.0	<0.50	<0.50

Notes:

NE -value not established
(D) - duplicate sample
UST - Underground Storage Tank
TPHg - Total Petroleum Hydrocarbons as Gasoline
TPHd - Total Petroleum Hydrocarbons as Diesel
1,2 - DCA - 1,2-dichloroethane
trans-1,2-DCE - Trans-1,2-dichloroethene
cis-1,2-DCE - Cis-1,2-dichloroethene
1,1,1-TCA - 1,1,1-Trichloroethane
TCE - Trichloroethene
- all concentrations expressed in micrograms per liter (µg/l)
<0.50 - Not reported at or above laboratory's reporting limit of 0.50 µg/L
-TPHg, TPHd, and VOCs analyzed using EPA Methods 8015B(M) and 8260B by Advanced Technology Laboratories (ATL), Signal Hill, California
-Concentrations in bold exceed ESLs for vapor intrusion concerns - Residential Land Use
PVC - Polyvinyl chloride pipe
HP - Hydropunch

RWQCB ESLs[1] ' - 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, update May 2008, commerical land use.

RWQCB ESLs[2] ' - 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, updated May 2008, residential land use.

APPENDIX A

HISTORICAL GROUNDWATER DATA

Table A-1
Historical Water Level
AB&I Foundry
7825 San Leandro Street
Oakland, California

Well ID	Date	Groundwater Elevation (ft, msl)
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
	02/21/08	2.25
	06/12/08	3.38
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
	02/21/08	1.74
	06/12/08	3.20
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
	02/21/08	0.81
	06/12/08	2.30

Table A-1
Historical Water Level
AB&I Foundry
7825 San Leandro Street
Oakland, California

Well ID	Date	Groundwater Elevation (ft, msl)
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
	02/21/08	1.87
	06/12/08	3.12
MW-5	08/17/06	1.31
	10/24/07	0.47
	02/21/08	0.94
	06/12/08	2.46
MW-6	08/17/06	0.26
	10/24/07	-0.79
	02/21/08	0.24
	06/12/08	1.52
MW-7	08/17/06	0.60
	10/24/07	1.71
	02/21/08	2.89
	06/12/08	3.84
MW-8	08/17/06	1.36
	10/24/07	0.88
	02/21/08	1.39
	06/12/08	2.77
MW-9	08/23/06	1.86
	10/24/07	1.80
	02/21/08	2.33
	06/12/08	3.58

Notes:
NS -not sampled
msl -mean sea level
ft -feet

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	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	--	--	450	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
	02/22/08	--	--	560	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	02/22/08	--	--	560	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	160	<0.50	<50	<0.50	<0.50	<0.50	<10	--	--	--	--	--	<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	--	--	--	--	--	--

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	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
	07/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/13/08	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	--	--	<50	<1	150	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
	02/22/08	--	--	200	<1.0	120	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	02/22/08	--	--	200	<1.0	120	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	<50	<0.50	98	<0.50	<0.50	<0.50	<10	--	--	--	--	--	<0.50
MW-3	03/10/93	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	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	--	--	<50	<1	540	<5	<5	<5	<1	<5.0	<0.50	<0.50	<1.0	<5.0	<5.0
	02/21/08	--	--	110	<20	660	<5	<5	<5	<10	<50	--	--	--	--	<10
	02/21/08	--	--	110	<20	660	<5	<5	<5	<10	<50	--	--	--	--	<10
	06/13/08	--	--	<50	<0.50	510	0.7	<0.50	<0.50	<10	--	--	--	--	--	<0.50
MW-4	03/10/93	--	--	--	--	1,800	1.0	2.0	7.6	19	--	--	--	--	--	--
	08/20/93	--	--	--	--	350	5.6	4.9	7.5	22	--	--	--	--	--	--
	12/03/93	--	--	--	--	1,100	ND	ND	1.4	2.8	--	--	--	--	--	--
	03/04/94	--	--	--	--	50	ND	0.9	ND	1.1	--	--	--	--	--	--
	06/10/94	--	--	--	--	460	4.3	ND	1.8	4.3	--	--	--	--	--	--
	09/09/94	--	--	--	--	150	0.4	ND	0.7	1.3	--	--	--	--	--	--

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	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
	12/16/94	--	--	--	--	100	0.4	0.4	ND	1.2	--	--	--	--	--	--
	03/17/95	--	--	--	--	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	--	--	<50	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
	02/21/08	--	--	95	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	02/21/08	--	--	95	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	<50	<0.50	<50	<0.50	<0.50	<0.50	<10	--	--	--	--	--	<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	--	--	<50	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
	02/22/08	--	--	130	<1.0	<50	<0.5	<0.5	<0.5	<1	<5.0	--	--	--	--	<0.5
	02/22/08	--	--	130	<1.0	<50	<0.5	<0.5	<0.5	<1	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	<50	<0.50	<50	0.65	<0.50	<0.50	<10	--	--	--	--	--	<0.50
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	--	--	110	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
	02/21/08	--	--	150	<1.0	<50	<0.5	<0.5	<0.5	1.5	<5.0	--	--	--	--	<0.5
	02/21/08	--	--	150	<1.0	<50	<0.5	<0.5	<0.5	1.5	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	54	<0.50	<50	<0.50	<0.50	<0.50	<10	--	--	--	--	--	<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	--	--	370	<1	<50	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<0.50
	02/21/08	--	--	180	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	02/21/08	--	--	180	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	59	<0.50	<50	<0.50	<0.50	<0.50	<10	--	--	--	--	--	<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	--	--	<50	<1	1,200	<5	<5	<5	<1	<0.50	<0.50	<0.50	<1.0	<5.0	<25
	02/21/08	--	--	140	<50	2,500	<25	<25	<25	<25	<250	--	--	--	--	<25
	02/21/08	--	--	140	<50	2,500	<25	<25	<25	<25	<250	--	--	--	--	<25
	6/13/080	--	--	<50	<10	2,100	<10	<10	<10	<20	--	--	--	--	--	<10

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	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
MW-9	08/17/06	--	--	440	<40	7,400	250	11	51	14	<50	<50	<50	<50	<500	<40
	10/25/07	--	--	120	<1	1,300	89.0	2.0	6.0	<1	<0.50	<0.50	<0.50	<1.0	15.0	<1.0
	02/21/08	--	--	190	<4.0	2,600	170.0	2.8	9.1	<4.0	<20	--	--	--	--	<2.0
	06/13/08	--	--	180	2.1	2,900	180	3.0	7.6	2.1	--	--	--	--	--	<0.50

Notes:
-Historical data for samping events conducted prior to October 2007 obtained from Table 2, Preliminary Groundater Investigation Report, AB&I Foundry, BSK Associates, Inc., dated June 11, 2007.
ug/L = All concentrations reported in micrograms per liter (ug/L).
TPH = Total Petroleum Hydrocarbons
MTBE = methyl tert butyl ether
ETBE = ethyl tert butyl ether
TAME = tert-amyl methyl ether
DIPE = diisopropyl ether
TBA = tributyl alcohol
DCA = dichloroethane
ND = Not detected at or above laboratory reporting limit.
<50 = Not detected at or above laboratory reporting limit of 50 ug/L.
NS = Not sampled.
-- = Not analyzed.

Table A-3
Summary of Analytical Results
Volatile Organic Compounds and PAHs (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	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	--
	08/17/06	--	--	--	--	--	--	--	--	--	--	--	ND
	10/25/07	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	02/22/08	<1.0	<0.5	<1.0	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/13/08	<0.50	--	<0.50	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
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	--
	07/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--
	Well Abandoned												

Table A-3
Summary of Analytical Results
Volatile Organic Compounds and PAHs (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	Polycyclic Aromatic Hydrocarbons EPA 8270C
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
	10/25/07	<1.0	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	--
	02/22/08	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	--
	06/13/08	<0.50	<0.50	<0.50	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
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
	10/24/07	<10	<5.0	<10	180	680	5.0	<5	13.0	7.5	<5.0	<10	--
	02/21/08	<10	<5	<10	220	920	9.3	<5	<5	10.0	<5	<10	--
	06/12/08	<0.50	<0.50	<0.50	170	910	7.9	0.5	<0.50	13.0	<0.50	<0.50	--
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	--	--	--	--	--	--	--	--	--	--	--	--
	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	<0.5	<5.0	--

Table A-3
Summary of Analytical Results
Volatile Organic Compounds and PAHs (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	Polycyclic Aromatic Hydrocarbons EPA 8270C
	10/24/07	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	02/21/08	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/12/08	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-5	08/17/06	2.2	1.0	4.8	4.8	1.2	3.1	1.0	<5.0	<5.0	<5.0	<5.0	ND
	10/25/07	<1.0	<0.5	<1.0	2.0	1.5	1.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	02/22/08	<1.0	<0.5	<1.0	1.4	1.0	3.3	1.1	<0.5	<0.5	<0.5	<1.0	--
	06/12/08	<0.50	<0.50	<0.50	1.1	1.5	5.1	2.0	<0.50	<0.50	<0.50	<0.50	--
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
	10/24/07	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	02/21/08	<1.0	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/12/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
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
	10/25/07	<1.0	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	02/21/08	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/13/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
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
	10/25/07	<50	<25	290	1,600	1,600	<0.5	<25	1,700	<25	<25	<50	--
	02/21/08	<50	<25	290	1,800	2,300	<25	<25	2,500	<25	<25	<50	--
	06/12/08	<10	<10	300	1,400	3,200	<10	<10	2,700	19.0	<10	<10	--
MW-9	08/23/06	<40	<40	<40	<40	<40	<40	<40	<40	<40	53	62	ND
	10/25/07	<2.0	<1.0	<2.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<2.0	--
	02/21/08	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	23	24.0	--
	06/12/08	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	22	26	--

Notes:

-Historical data for samping events conducted prior to October 2007 obtained from Table 3, Preliminary Groundater Investigation Report, AB&I Foundry, BSK Associates, Inc., dated June 11, 2007.

ug/L = All concentrations reported in micrograms per liter (ug/L)
ND = Not detected at or above laboratory reporting limit.
<5.0 = Not detected at or above laboratory reporting limit of 5.0 ug/L.
NS = Not sampled.
-- = 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 07/08/2008 to 11/30/2008

Application Id: 1185403813879
City of Project Site: Oakland
Site Location: 7825 San Leandro Street
Oakland, CA 94621
Project Start Date: 08/06/2007
Completion Date: 08/15/2007
Requested Inspection:
Extension Start Date: 07/08/2008
Extension End Date: 11/30/2008
Extension Count: 4
Extended By: jamesy

Applicant: The Source Group, Inc. - Nathan Colton
3451-C Vincent Road, Pleasant Hill, CA 94523
Phone: 925-944-2856

Property Owner: Allan Boscacci
7825 San Leandro Street, Oakland, CA 94621
Phone: --

Client: Dave Robinson
7825 San Leandro Street, Oakland, CA 94621
Phone: --

Contact: Nathan Colton
Phone: 925-944-2856
Cell: 510-323-5705

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

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 27 Boreholes
Driller: WDC Exploration-C57-283326 - Lic #: 283326 - 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	27	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

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

FIELD GROUNDWATER SAMPLING FORMS

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

PROJECT NAME: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-1
PURGE DATE: 6/13/08
SAMPLE TIME: 1100
SAMPLE DATE: 6/13/08
PERSONNEL: N. Clifton (circle)

INITIAL DTW (ft): 6.25
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
6.32	1033	170	7.47	117.4	17.89	6.06	-91.4	gray	135.1	—
6.32	1038	170	7.43	117.5	17.89	5.68	-86.3	gray	88.4	—
6.30	1043	170	7.42	118.1	17.89	2.39	-78.5	gray	56.8	—
6.30	1050	170	7.41	117.3	17.89	2.01	-74.5	gray	37.1	—
6.32	1055	170	7.40	116.6	17.89	1.70	-77.4	gray	28.5	—

Total Gallons Purged: 2.0

Purging Method	2" Submersible Bladder Pump	12 Volt Pump	Peristaltic Pump	Bailer
			(circled)	

WELL SAMPLING:

DTW at Time of Sampling: 6.32

Sampling Method	2" Submersible Bladder Pump	12 Volt Pump	Peristaltic Pump	Bailer
			(circled)	

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: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.:
WELL ID: MW-2R
PURGE DATE: 6/13/08
SAMPLE TIME: 850
SAMPLE DATE: 6/13/08
PERSONNEL: N. Cotton (circle)

INITIAL DTW (ft): 4.21
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
4.25	823	250	6.96	142.4	19.15	1.51	-85.5	gray	106.5	-
4.25	828	160	6.96	144.3	19.20	1.19	-85.5	gray	96.4	-
4.25	833	160	6.95	143.6	19.26	1.16	-82.1	gray	73.4	-
4.25	838	160	6.96	141.8	19.32	1.16	-73.1	gray	52.6	-
4.26	848	160	6.97	133.8	19.41	1.14	-52.7	gray	22.7	-

Total Gallons Purged: 2.0

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

WELL SAMPLING:

DTW at Time of Sampling: 4.26

Sampling Method: 2" 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:

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

PROJECT NAME: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-3
PURGE DATE: 6/12/08
SAMPLE TIME: 1105
SAMPLE DATE: 6/12/08
PERSONNEL: M. Clark
(circle)

INITIAL DTW (ft): 7.60
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
7.72	1043	170	7.10	282.8	25.79	3.29	2.3	grey	-7.9	—
7.72	1048	170	7.03	277.6	25.27	2.65	31.1	clear	-3.6	—
7.72	1053	170	7.05	280.7	25.78	2.68	55.0	clear	-3.3	—
7.73	1058	170	7.04	275.2	24.70	2.02	83.8	clear	-1.9	—
7.75	1103	170	7.03	272.5	24.50	2.46	94.1	clear	-1.8	—

Total Gallons Purged: 1.5

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

WELL SAMPLING:

DTW at Time of Sampling: 7.75

Sampling Method	2" 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: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-4
PURGE DATE: 6/12/08
SAMPLE TIME: 1330
SAMPLE DATE: 6/12/08
PERSONNEL: N. Colton
(circle)

INITIAL DTW (ft): 7.39
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
7.61	1307	170	7.02	118.1	22.97	1.90	-164.9	grey	5.4	-
7.61	1312	170	7.02	126.1	23.32	1.76	-134.0	clear	4.4	-
7.61	1317	170	7.03	126.6	23.24	1.64	-111.1	clear	6.8	-
7.61	1322	170	6.99	124.0	23.05	1.49	-100.7	clear	11.6	-
7.62	1327									

Total Gallons Purged: 1.5 (2")

Purging Method	Submersible Bladder Pump	12 Volt Pump	Peristaltic Pump	Bailer

WELL SAMPLING:

DTW at Time of Sampling: 7.62

Sampling Method	2" 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: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-5
PURGE DATE: 6/12/08
SAMPLE TIME: 1155
SAMPLE DATE: 6/12/08
PERSONNEL: N. Colton
(circle)

INITIAL DTW (ft): 8.47
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
8.54	1134	200	6.88	153.9	23.18	1.79	-75.7	gray	74.2	-
8.56	1139	200	6.84	148.3	22.18	1.21	-67.7	gray	63.5	-
8.56	1144	200	6.85	147.6	22.00	1.17	-49.7	gry	42.8	-
8.56	1148	200	6.85	146.8	21.93	1.15	-14.4	gray	26.4	-

Total Gallons Purged: 1.5

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

WELL SAMPLING:

DTW at Time of Sampling: 8.56

Sampling Method: 2" 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: _____ TYPE: Rinsate Blank Duplicate Field Blank

COMMENTS:

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

PROJECT NAME: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-6
PURGE DATE: 6/12/08
SAMPLE TIME: 1015
SAMPLE DATE: 6/12/08
PERSONNEL: N. Clifton
(circle)

INITIAL DTW (ft): 8.65
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:

(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
8.81	947	150	7.34	321.2	23.61	3.54	-133.3	gray	49.3	–
8.75	952	150	7.23	312.2	24.01	3.20	-117.5	gray	38.2	–
8.75	957	150	7.18	310.8	24.47	2.95	-98.4	gray	30.2	–
8.76	1002	150	7.09	305.3	24.57	3.28	-81.6	gray	15.8	–
8.76	1007	150	7.04	300.4	24.59	3.14	-45.6	gry	8.6	–

Total Gallons Purged: 1.5

	2" Submersible Bladder Pump	12 Volt Pump	Peristaltic Pump	Bailer
Purging Method			(Peristaltic Pump)	

WELL SAMPLING:

DTW at Time of Sampling: 8.76

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

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
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-7
PURGE DATE: 6/13/08
SAMPLE TIME: ~~1015~~ 1005
SAMPLE DATE: 6/13/08
PERSONNEL: N.C.Hahn (circle)

INITIAL DTW (ft): 6.79
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
~~6.85~~	940	150	7.72	132.0	19.66	1.50	-139.8	gray	31.1	-
~~6.89~~	945	160	7.71	131.4	19.50	1.17	-136.2	gray	27.0	-
6.91	950	160	7.70	129.8	18.82	0.95	-142.3	gray	~~59.4~~	-
6.91	955	160	7.71	128.7	18.69	0.83	-130.5	gray	28.0	-
6.91	1000	160	7.72	128.5	18.77	0.79	-134.5	gray	19.2	-

Total Gallons Purged: 1.5

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

WELL SAMPLING:

DTW at Time of Sampling: _____

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 Equipment Blank

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

COMMENTS:

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

PROJECT NAME: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.: _____
WELL ID: MW-8
PURGE DATE: 6/12/08
SAMPLE TIME: 1535
SAMPLE DATE: 6/12/08
PERSONNEL: N.C. (circle)

INITIAL DTW (ft): 8.43
DEPTH TO BOTTOM (ft): _____
WELL DIAM. (in): _____
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
8.57	1510	170	6.91	189.6	21.86	1.04	-49.3	gray	72.5	-
8.58	1515	170	6.89	191.1	22.46	0.90	-31.1	gray	43.9	-
8.53	1520	160	6.88	190.7	22.06	0.84	-20.4	gray	35.7	-
8.53	1525	160	6.90	189.6	21.80	0.78	-13.4	gray	26.4	-
8.53	1530									

Total Gallons Purged: 2.0

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-98 TYPE: Rinsate Blank (Duplicate) Field Blank

COMMENTS:

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

PROJECT NAME: AB&I
PROJECT NO.: 01-ABI-001
TASK NO.:
WELL ID: MW-9
PURGE DATE: 6/12/08
SAMPLE TIME: 1430
SAMPLE DATE: 6/12/08
PERSONNEL: N. Colton
(circle)

INITIAL DTW (ft): 4.41
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
4.56	1400	170	6.86	144.7	21.58	2.53	-179.6	clear	22.1	-
4.57	1405	170	6.84	140.0	20.31	1.92	-170.6	clear	13.5	-
4.57	1410	170	6.84	138.6	19.89	1.69	-167.2	clear	10.6	-
4.58	1415	170	6.84	138.0	19.79	1.16	-148.6	clear	30.1	-
4.58	1420	170	6.86	137.9	19.75	1.15	-147.0	clear	32.0	-

Total Gallons Purged: 2.0

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

WELL SAMPLING:

DTW at Time of Sampling: 4.58

Sampling Method	2" 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:

APPENDIX D

BORING LOGS

SGI environmental	THE SOURCE GROUP, INC.	BORING/WELL ID: SB-38

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/8/08 900	**FINISH DATE/ TIME**	7/8/08 1300
FIRST WATER (BGS):	19.5'	**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	44'	**BORING DIAMETER/DEPTH:**	4" 44'

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		Silty Clay, trace gravel (concrete?), dark gray, soft, moderate plasticity, faint odor (petroleum?)	
					3			
					4			
		0.3			5		Clay, dark gray, moist, soft, moderate plasticity, no odor	
					6			
					7			
					8		Clay, olive brown, moist, soft, moderate plasticity, no odor	
		1.4			9			
					10			
					11			
					12		same as above, moist to wet	
					13			
					14			
		0.3			15		Sandy Clay, olive brown, some gravel, 1/4" subangular, well graded, med-grained, no odor	
		3.6			16		Clay, olive brown, moist, stiff, low plasticity, no odor	
					17			
					18			
					19	▼		
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-38**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/8/08 900	**FINISH DATE/ TIME**	7/8/08 1300
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	44'	**BORING DIAMETER/DEPTH:**	4" 44'

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
					20			
		1.9			21			
					22		Silty Clay, olive brown, moist, soft, low plasticity, no odor	
					23		Silty Sand, olive brown, medium-grained, some gravel, 1/2" subangular, well graded, no odor	
					24			
					25			
					26			
					27		Clay, olive brown, some gravel, 1/4" subangular, moist, stiff, low plasticity, no odor	
					28			
					29		Gravelly Sand, medium grained, 1/2" subangular, moist, well graded, no odor	
					30		Clay, medium brown, wet, stiff, moderate plasticity, no odor	
					31			
					32		Silt, medium brown, wet, soft, no odor	
					33		Clay, light gray, moist, stiff, moderate plasticity, no odor	
					34			
					35			
					36		same as above, soft, moist to wet	
					37			
					38			
					39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-38**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/8/08 900	**FINISH DATE/ TIME**	7/8/08 1300
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	44'	**BORING DIAMETER/DEPTH:**	4" 44'

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 OTHER	Well construction details
					40			
		1.9			41			
					42			
					43			
					44		**Refusal at 44'**	
					45			
					46			
					47			
					48			
					49			
					50			
					51			
					52			
					53			
					54			
					55			
					56			
					57			
					58			
					59			
					60			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-39**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/8/08 1355	**FINISH DATE/ TIME**	7/8/08 1645
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	43'	**BORING DIAMETER/DEPTH:**	4" 43'

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			
					2			
					3			
					4			
					5			
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19	▼		
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-39**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/8/08 1355	**FINISH DATE/ TIME**	7/8/08 1645
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	43'	**BORING DIAMETER/DEPTH:**	4" 43'

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
		7			20		Clay, olive brown to med. Brown, moist, stiff, low plasticity, no odor	
					21			
					22			
					23			
					24			
		2			25		Clay, black, moist, soft, moderate plasticity, no odor	
					26		same as above, bluish gray, very stiff	
					27			
					28			
					29			
					30			
		4.4			31		Sandy Clay, medium brown, fine-grained, wet, no odor	
					32		Clay, medium brown, moist, stiff, moderate plasticity, no odor	
					33			
					34			
		2			35			
					36			
					37			
					38		Silty Clay, olive brown, moist, stiff, moderate platicity, no odor	
					39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-39**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/8/08 1355	**FINISH DATE/ TIME**	7/8/08 1645
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	43'	**BORING DIAMETER/DEPTH:**	4" 43'

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 OTHER	Well construction details
		0.5			40		Clay, dark brown, very stiff (tough drilling), moist, moderate plasticity, no odor	
					41			
					42			
					43		**Refusal at 43'**	
					44			
					45			
					46			
					47			
					48			
					49			
					50			
					51			
					52			
					53			
					54			
					55			
					56			
					57			
					58			
					59			
					60			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-40**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/9/08 640	**FINISH DATE/ TIME**	7/9/08 900
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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		asphalt	
			80		1		Clay, orangish brown, some gravel, 1/2" - 3/4" subangular, stiff, low plasticity, no odor. FILL	
					2			
					3			
					4		Sandy Clay, bluish gray, fine-grained sands, loose, no odor.	
					5			
					6		Clay, dark gray, moist, stiff, moderate plasticity, no odor	
					7			
					8			
					9			
		0.5	100		10			
					11			
					12			
					13		Silty Clay, olive brown, moist to wet, soft , moderate plasticity, no odor	
					14			
		1.2			15			
					16			
					17		Gravelly Clay, olive brown, 1/4" subangular, moist to wet, moderate plasticity, no odor.	
					18			
					19	▼		
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-40**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/9/08 640	**FINISH DATE/ TIME**	7/9/08 900
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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
			100		20			
					21			
					22			
					23		same as above, trace gravel, 1/2" subangular	
		4			24		Clay, olive brown, moist, stiff, moderate plasticity, no odor, trace silt	
					25		Clay, olive brown, moist, stiff, moderate plasticity, no odor	
					26			
					27			
					28			
		2.3			29			
					30			
					31			
					32			
					33			
							Sand, medium brown, medium-grained, wet, loose, poorly graded, no odor	
		2.3			34			
					35		**Heaving sands encountered at 35' bgs**	
					36			
					37			
					38			
					39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-41**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/9/08 900	**FINISH DATE/ TIME**	7/9/08 1100
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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		asphalt	
					1		Gravelly Clay (fill)	
					2			
					3		Clay, dark gray, some gravel (fill)	
					4			
					5		No Recovery	
					6			
					7		Sand, light gray, coarse-grained, wet, poorly graded, no odor.	
					8		Clay, black, moist, stiff, moderate plasticity, no odor	
					9			
					10		Clay, bluish gray, moist, soft, moderate plasticity, no odor	
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19	▼		
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-41**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/9/08 900	**FINISH DATE/ TIME**	7/9/08 1100
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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
			100		20			
					21			
					22		Silty Clay, olive brown, moist, stiff, moderate plasticity, no odor, some 1/4" red gravel	
					23			
		0.2			24			
					25		Clay, olive brown, moist, stiff, moderate plasticity, no odor	
					26			
					27			
					28			
		2.3			29			
					30			
					31			
					32			
					33		Sand, olive brown, medium-grained, wet, loose, poorly graded, no odor	
					34			
					35		**Heaving sands encountered at 35' bgs**	
					36			
					37			
					38			
					39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-42**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/9/08 1442	**FINISH DATE/ TIME**	7/9/08 1645
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	45'	**BORING DIAMETER/DEPTH:**	4" 45'

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		0' bgs to 20' bgs see boring SB-13	
					2			
					3			
					4			
					5			
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

SGI environmental	THE SOURCE GROUP, INC.			BORING/WELL ID: SB-42	
PROJECT NAME AND ADDRESS:	AB&I Foundry			Project No.	01-ABI-001
BORING LOCATION (AT SITE):				Logged By:	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT				
SAMPLING METHOD:	325 continuous	MONITORING DEVICE:	MiniRae 2000		
START DATE/ (TIME):	7/9/08 1442	FINISH DATE/ TIME	7/9/08 1645		
FIRST WATER (BGS):		STABILIZED WATER LEVEL:			
SURFACE ELEVATION:		CASING TOP ELEVATION:			
TOTAL BORING DEPTH(S):	45'	BORING DIAMETER/DEPTH:	4" 45'		

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
			100		20		Clay, bluish gray, moist, stiff, moderate plasticity, no odor	
					21			
					22			
					23			
		1.8			24			
			100		25			
					26			
					27			
					28			
		1.8			29			
			100		30			
					31		Clay, medium brown, moist, stiff, moderate plasticity, no odor	
					32			
					33			
		0			34			
					35			
					36			
					37			
					38			
1618	☒				39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-42**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/9/08 1442	**FINISH DATE/ TIME**	7/9/08 1645
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	45'	**BORING DIAMETER/DEPTH:**	4" 45'

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 OTHER	Well construction details
					40			
					41			
					42			
					43			
					44			
					45		**Refusal at 45'**	
					46			
					47			
					48			
					49			
					50			
					51			
					52			
					53			
					54			
					55			
					56			
					57			
					58			
					59			
					60			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-44**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 630	**FINISH DATE/ TIME**	7/10/2008
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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		Concrete	
					1		No Recovery	
					2			
					3		Silt, black, dry, loose, trace gravel, (concrete?) FILL	
1305	X	3.5			4		Clay, black, wet, stiff, moderate plasticity, strong petroleum odor FILL	
					5		No Recovery	
					6		Clay, black, moist, stiff, moderate plasticity, petroleum odor	
					7			
					8			
1315	X	9			9		same as above, bluish gray	
					10			
					11			
					12			
					13			
1320	X	25			14			
					15			
					16			
					17		Clay, light bluish brown, moislt, very stiff, moderate plasticity, faint petroleum odor	
					18			
1330	X	2.4			19		same as above, brown, no odor	
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-44**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 630	**FINISH DATE/ TIME**	7/10/2008
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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
					20		Gravelly Clay, medium brown, 1/4" subangular, moist, no odor	
					21		Gravelly Sand, dark brown, wet, loose, medium-grained, 1/2" subangular, well graded, no odor	
					22		Gravelly Clay, dark brown, moist, stiff, low plasticity, no odor	
					23		Clay, medium brown, moist, stiff, moderate plasticity, no odor	
1340	☒				24			
					25			
					26			
					27			
					28			
					29		Sand, medium to dark brown, wet, medium-grained, loose, poorly graded, no odor, trace gravel, 1/2" subangular	
					30		**Heaving sands encountered at 30' (10 feet of dual wall core filled with sand)**	
					31			
					32			
					33			
		0			34			
					35			
					36			
					37			
					38			
1618	☒				39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-45**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 630	**FINISH DATE/ TIME**	7/10/2008
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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		Concrete	
					1		Gravelly Clay, very dark gray, moist, soft, low plasticity, no odor (fill)	
					2		Silt, dark gray, moist, loose, petroleum odor	
					3		Clay, dark grayish black, moist, stiff, low plasticity, petroleum odor, trace concrete pieces	
1305	X	3.5			4			
					5			
					6			
					7		Clay, dark bluish gray, moist, stiff, moderate plasticity, no odor	
					8			
1315	X	9			9		same as above, some silt (Silty Clay?)	
					10			
					11		Silty Clay, bluish gray, trace gravel, moist, stiff, low plasticity, petroleum odor	
					12		Clayey Sand, bluish gray, medium-grained, 1/2" subangular gravel, wet, petroleum odor	
					13			
1320	X	25			14		Clay, medium brown, moist, stiff, moderate plasticity, no odor	
					15			
					16			
					17			
					18			
1330	X	2.4			19		Sandy Clay, bluish gray, fine-grained, loose, poorly graded, petroleum odor	
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-45**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 630	**FINISH DATE/ TIME**	7/10/2008
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	35'	**BORING DIAMETER/DEPTH:**	4" 35'

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
					20		Gravelly Sand, medium brown, medium-grained, wet, well graded, no odor, 3/4" subangular gravel	
					21			
					22			
					23			
1340	☒				24			
					25			
					26			
					27			
					28			
					29			
					30		**Heaving sands encountered at 30' (10 feet of dual wall core filled with sand)**	
					31			
					32			
					33			
		0			34			
					35			
					36			
					37			
					38			
1618	☒				39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-46**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 1200	**FINISH DATE/ TIME**	7/10/08 1430
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	45'	**BORING DIAMETER/DEPTH:**	4" 45'

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, very dark brown, moist, medium stiffness, moderate plasticity, no odor, trace gravel (concrete?) FILL	
					2			
					3			
					4			
					5		No Recovery	
					6			
					7		Silty Sand, olive brown, fine-grained, wet, loose, well graded, no odor	
					8			
					9		Clay, very dark grayish black, stiff, moderate plasticity, specks of brown silt, no odor	
					10			
					11			
					12		same as above, grayish brown, soft, sticky clay	
					13			
					14			
					15		No Recovery	
					16		Gravelly Clay, medium grayish brown, wet, soft, 1/4" subangular, no odor	
					17			
					18		same as above, stiff, moist, low plasticity, no odor, some sand, fine-grained	
					19			
					20			

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THE SOURCE GROUP, INC.

BORING/WELL ID: **SB-46**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 1200	**FINISH DATE/ TIME**	7/10/08 1430
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	45'	**BORING DIAMETER/DEPTH:**	4" 45'

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
		7			20		Clay, medium brown, stiff, moist, moderate plasticity, no odor	
					21			
					22			
					23		same as above, organic matter (roots)	
					24			
		2			25			
					26			
					27			
					28			
					29			
					30			
		4.4			31			
					32			
					33			
					34			
		2			35		same as above, wet, soft, moderate plasticity, no odor	
					36		Gravelly Clay, 1/4"-1/2" subangular	
					37			
					38		Sand, fine-grained, wet,no odor, trace gravel, 1/4"-1/2" subangular,	
					39		Clay, dark gray, moist, stiff, moderate plasticity, no odor	
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-46**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/10/08 1200	**FINISH DATE/ TIME**	7/10/08 1430
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	45'	**BORING DIAMETER/DEPTH:**	4" 45'

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 OTHER	Well construction details
					40		Clay, dark brown, very stiff (tough drilling), moist, moderate plasticity, no odor	
		0.5			41			
					42			
					43			
					44			
					45		**Refusal at 45'**	
					46			
					47			
					48			
					49			
					50			
					51			
					52			
					53			
					54			
					55			
					56			
					57			
					58			
					59			
					60			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-47**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/11/08 635	**FINISH DATE/ TIME**	7/11/08 930
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	44'	**BORING DIAMETER/DEPTH:**	4" 44'

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			
			40		1		Gravelly Clay, dark gray, dry, stiff, low plasticity, no odor, some silt	
					2			
					3		No Recovery	
		0			4			
			100		5		Clay, medium gray, stiff, moist, moderate plasticity, no odor, trace gravel, 1/4" subangular	
					6			
					7			
					8		same as above, medium brown, silt	
		2.6			9		Gravelly Clay, medium gray, stiff, moist, low plasticity, no odor, 1/4" subangular	
			100		10		Clay, medium gray, moist, stiff, moderate plasticity	
					11		same as above, faint petroleum odor, trace gravel	
					12			
					13		same as above, no gravel	
		36			14			
713	X		100		15			
					16			
					17			
					18		Sandy Clay, medium brown, fine-grained, wet, loose, no odor, trace gravel, 1'4" round	
715	X	0.9			19		Clay, medium brown, stiff, moderate plasticity, no odor	
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-47**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/11/08 635	**FINISH DATE/ TIME**	7/11/08 930
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	44'	**BORING DIAMETER/DEPTH:**	4" 44'

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
			100		20		Sandy Gravel, medium brown, wet, medium-grained, 1/4" - 1/2" subangular, well graded, no odor	
					21			
					22			
					23			
		0.4			24		Clayey Gravel, medium brown, moist to wet, stiff, 1/2" - 3/4" subangular, no odor	
			100		25			
					26			
					27			
					28		Clay, medium brown, moist, stiff, moderate plasticity, no odor	
		0.3			29			
					30			
			100		31			
					32			
					33			
					34			
			100		35			
					36			
					37			
					38			
					39			
					40			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-47**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/11/08 635	**FINISH DATE/ TIME**	7/11/08 930
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	44'	**BORING DIAMETER/DEPTH:**	4" 44'

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 OTHER	Well construction details
					40		same as above	
			80		41			
					42			
					43			
		1.4			44		**Refusal at 44'**	
					45			
					46			
					47			
					48			
					49			
					50			
					51			
					52			
					53			
					54			
					55			
					56			
					57			
					58			
					59			
					60			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-48**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/11/08 945	**FINISH DATE/ TIME**	7/11/08 1200
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	29.5'	**BORING DIAMETER/DEPTH:**	4" 29.5'

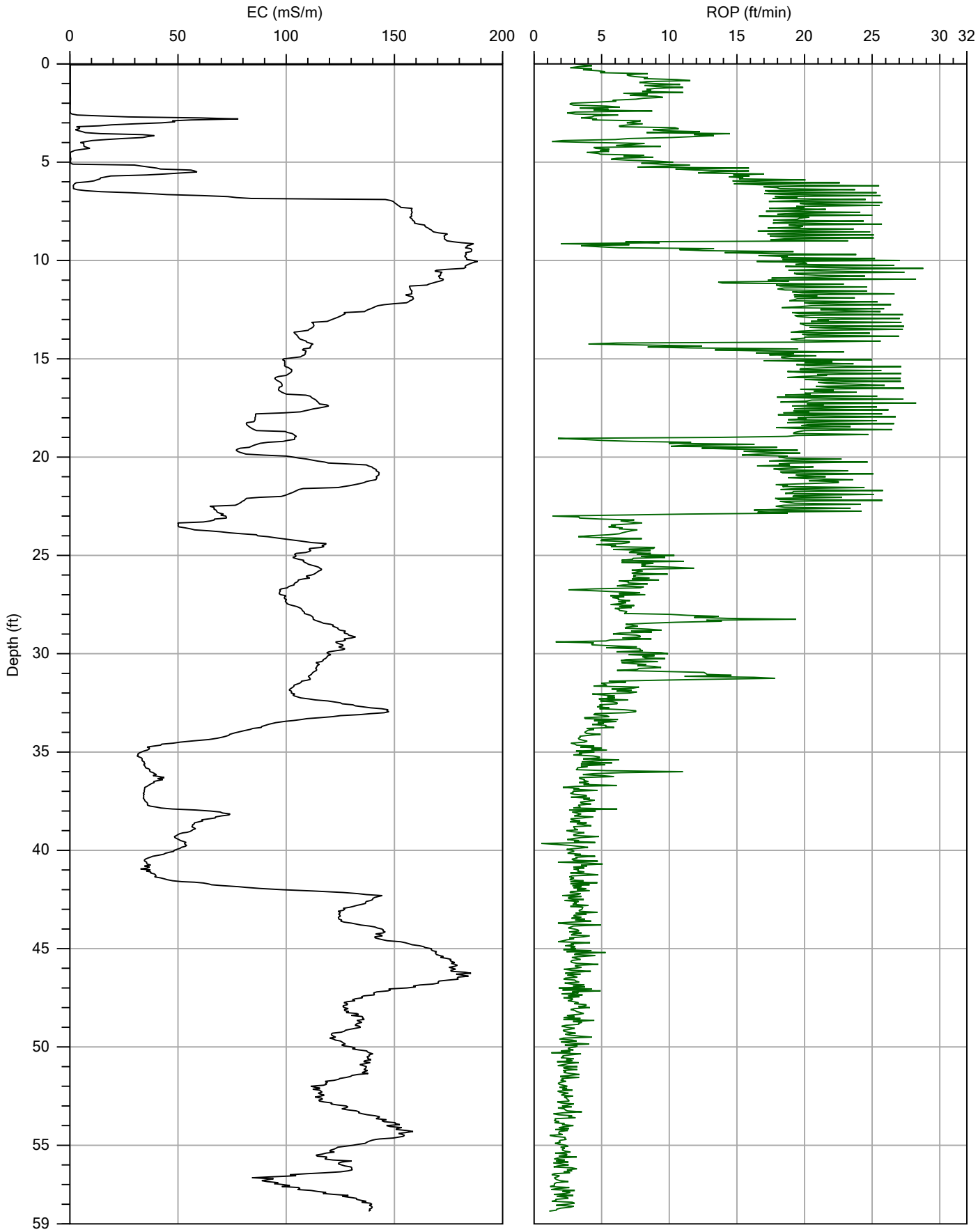
Date/Time	Sample Interval	PID (ppm)	Recovery	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0			
					1		no soil samples collected 0-20 ft bgs. See boring SB-22 for lithology.	
					2			
					3			
					4			
					5			
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

SGI environmental **THE SOURCE GROUP, INC.**

BORING/WELL ID: **SB-48**

PROJECT NAME AND ADDRESS:	AB&I Foundry	**Project No.**	01-ABI-001
BORING LOCATION (AT SITE):		**Logged By:**	Nathan Colton
CONTRACTOR AND EQUIPMENT:	WDC Geoprobe 7730DT		
SAMPLING METHOD:	325 continuous	**MONITORING DEVICE:**	MiniRae 2000
START DATE/ (TIME):	7/11/08 945	**FINISH DATE/ TIME**	7/11/08 1200
FIRST WATER (BGS):		**STABILIZED WATER LEVEL:**	
SURFACE ELEVATION:		**CASING TOP ELEVATION:**	
TOTAL BORING DEPTH(S):	29.5'	**BORING DIAMETER/DEPTH:**	4" 29.5'

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
			100		20		Clay, olive brown, moist, soft, moderate plasticity, no odor	
					21		Sandy Clay, dark gray, moist, soft, moderate plasticity, medium-grained, no odor, trace gravel, 1/4" subangular	
					22			
					23		Clay, medium brown, moist, stiff, moderate plasticity, no odor	
		1.3			24			
					25			
					26		Gravelly Clay, grayish brown, wet, 1/4" subangular, no odor	
					27		Clayey Gravel, dark gray, wet, some sand, coarse-grained	
					28		Clay, trace sand, medium brown, stiff, fine-grained, no odor	
					29		Sand, olive brown, coarse-grained, 1/2" subangular, well graded, no odor	
					30		**Refusal at 29.5'**	
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			



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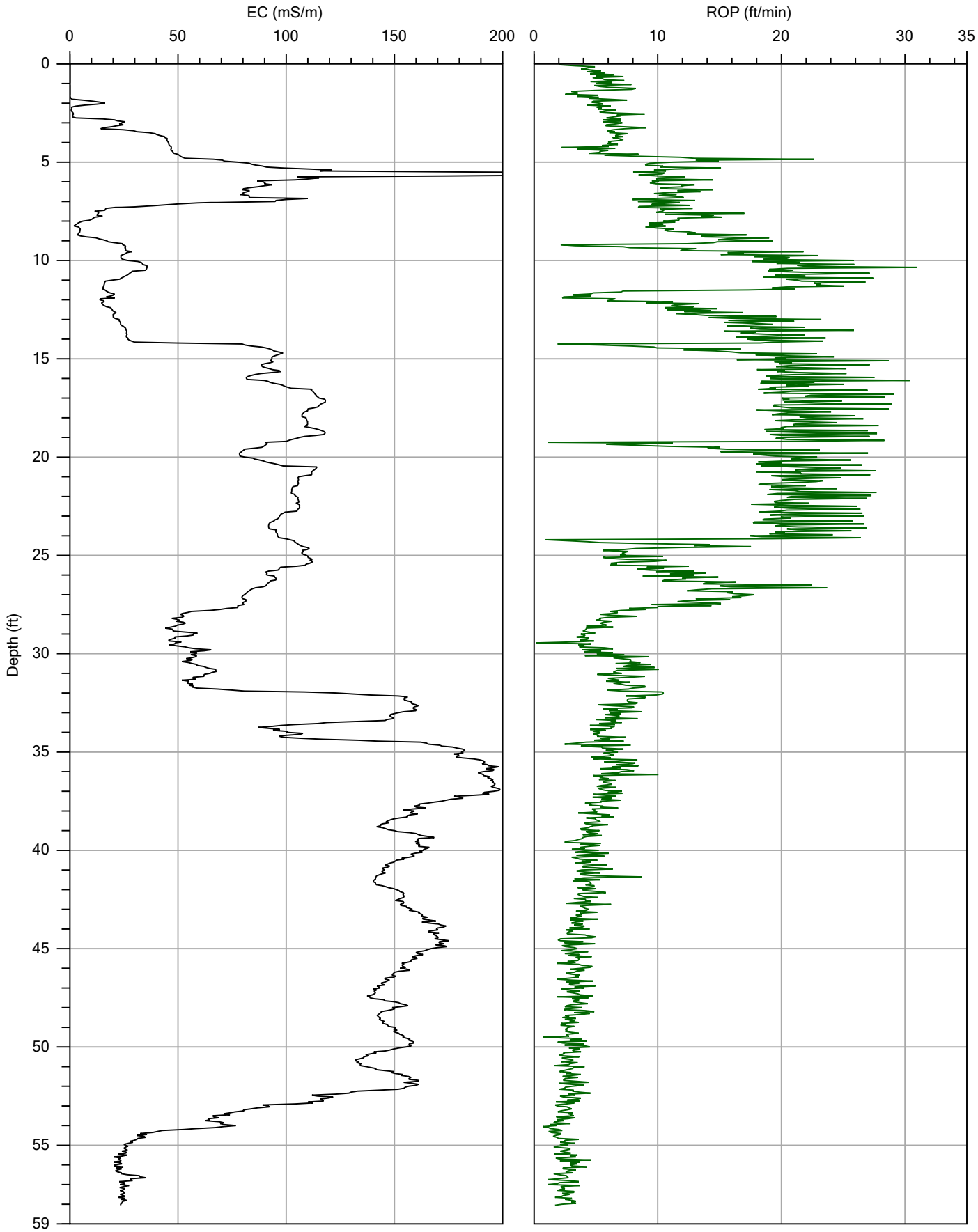
Company: WDC Exploration & Wells	Operator: Tatum	Date:
Project ID: ABI Foundry	Client: The Source Group	Location:



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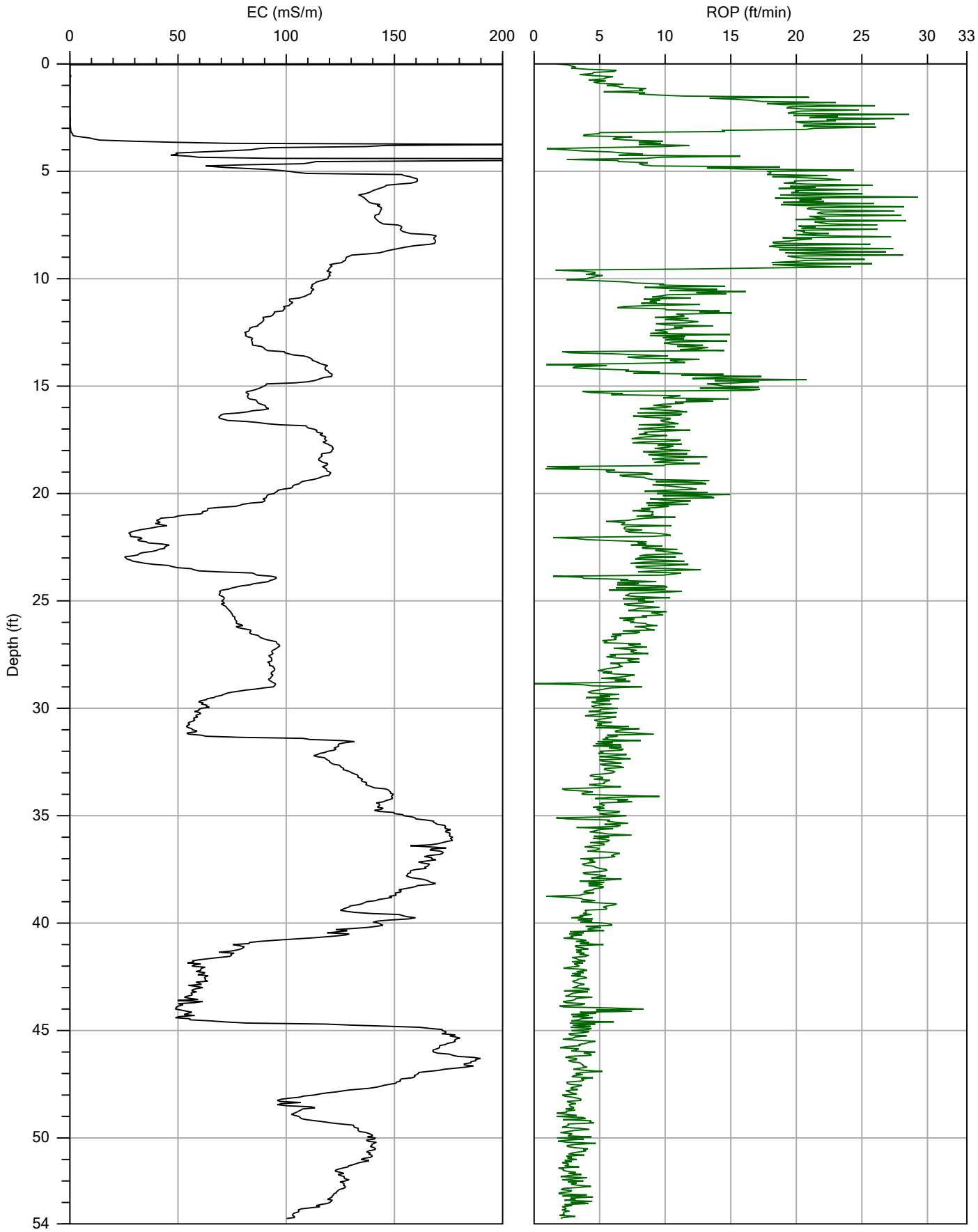
Company: WDC Exploration & Wells	Operator: Tatum	Date:
Project ID: ABI Foundry	Client: The Source Group	Location:



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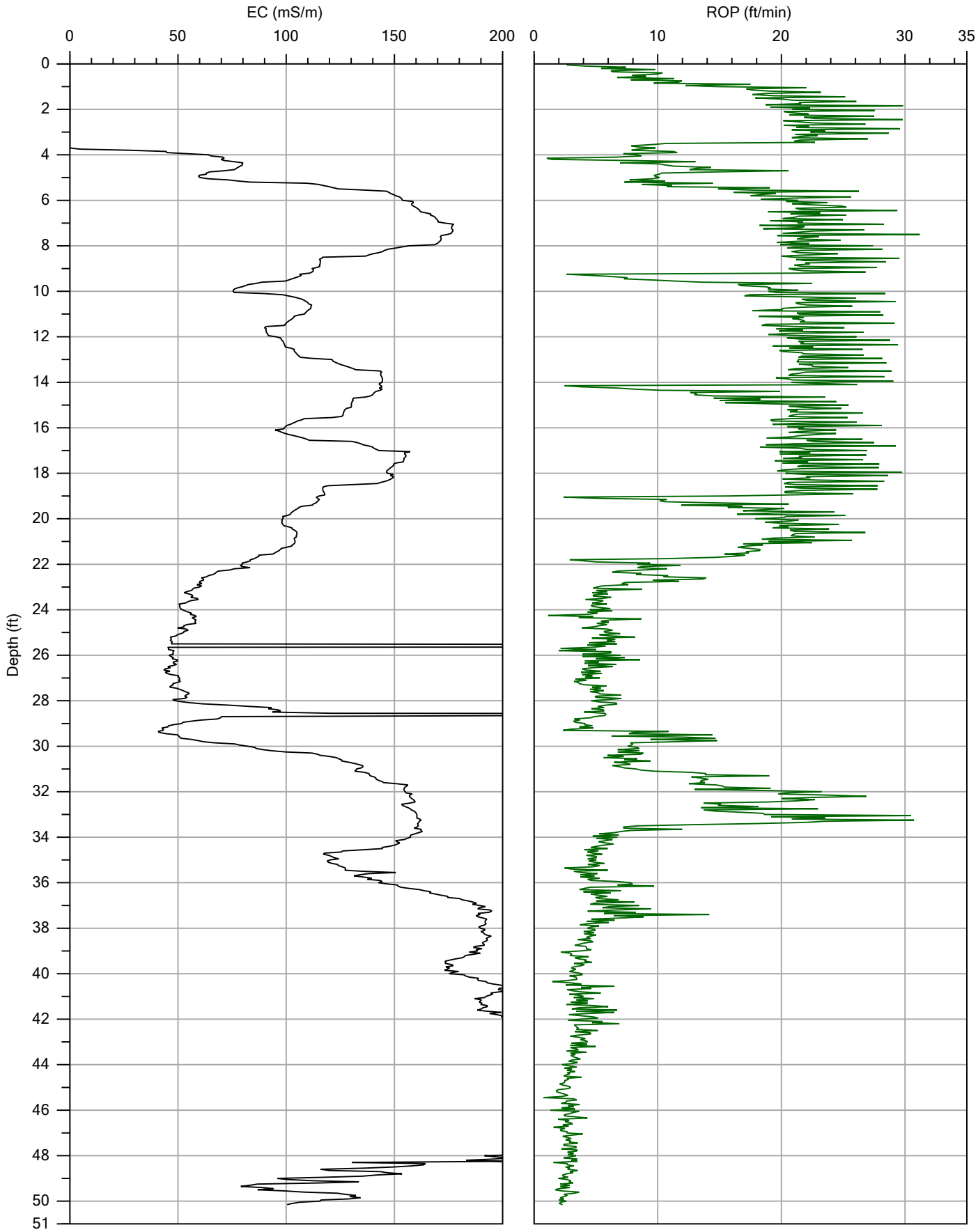
Company: WDC Exploration & Wells	Operator: Tatum	Date:
Project ID: ABI Foundry	Client: The Source Group	Location:



		File: SB-52-EC.DAT
Company: WDC Exploration & Wells	Operator: Tatum	Date:
Project ID: ABI Foundry	Client: The Source Group	Location:

APPENDIX E

CERTIFIED LABORATORY ANALYTICAL REPORTS

July 29, 2008

Kent Reynolds
The Source Group Inc.
3451 Vincent Dr., Suite C
Pleasant Hill, CA 94523
TEL: (925) 944-2856
FAX: (925) 944-2859

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 099340

RE: AB&I Foundry, 01-ABI.001

Attention: Kent Reynolds

Enclosed are the results for sample(s) received on June 14, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: The Source Group Inc.
Project: AB&I Foundry, 01-ABI.001
Lab Order: 099340

CASE NARRATIVE

Silica Gel Cleanup was performed on sample prior to the analysis, per client request.

Analytical Comments for EPA 8260B

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Analytical Comments for EPA 8015B (GRO)

For samples 099340-002B and 099340-006B, samples contained discrete peaks within the GRO range that do not match a Gasoline pattern; however, quantitation is based on a Gasoline standard.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-6
Lab Order:	099340	**Collection Date:**	6/12/2008 10:15:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-001A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080619B** QC Batch: **TW08VW110** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,1,1-Trichloroethane	ND	0.48	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,1,2-Trichloroethane	ND	0.43	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,1-Dichloroethane	ND	0.38	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,1-Dichloroethene	ND	0.43	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,1-Dichloropropene	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2,3-Trichlorobenzene	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2,3-Trichloropropane	ND	0.50	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2,4-Trichlorobenzene	ND	0.33	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2,4-Trimethylbenzene	ND	0.40	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2-Dibromoethane	ND	0.46	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2-Dichlorobenzene	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2-Dichloroethane	ND	0.39	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,2-Dichloropropane	ND	0.41	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,3,5-Trimethylbenzene	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,3-Dichlorobenzene	ND	0.41	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,3-Dichloropropane	ND	0.50	0.50	H	µg/L	1	6/20/2008 02:32 AM
1,4-Dichlorobenzene	ND	0.39	0.50	H	µg/L	1	6/20/2008 02:32 AM
2,2-Dichloropropane	ND	0.48	0.50	H	µg/L	1	6/20/2008 02:32 AM
2-Chlorotoluene	ND	0.34	0.50	H	µg/L	1	6/20/2008 02:32 AM
4-Chlorotoluene	ND	0.44	0.50	H	µg/L	1	6/20/2008 02:32 AM
4-Isopropyltoluene	ND	0.37	0.50	H	µg/L	1	6/20/2008 02:32 AM
Benzene	ND	0.41	0.50	H	µg/L	1	6/20/2008 02:32 AM
Bromobenzene	ND	0.44	0.50	H	µg/L	1	6/20/2008 02:32 AM
Bromodichloromethane	ND	0.39	0.50	H	µg/L	1	6/20/2008 02:32 AM
Bromoform	ND	0.34	0.50	H	µg/L	1	6/20/2008 02:32 AM
Bromomethane	ND	0.37	0.50	H	µg/L	1	6/20/2008 02:32 AM
Carbon tetrachloride	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
Chlorobenzene	ND	0.48	0.50	H	µg/L	1	6/20/2008 02:32 AM
Chloroethane	ND	0.50	0.50	H	µg/L	1	6/20/2008 02:32 AM
Chloroform	ND	0.36	0.50	H	µg/L	1	6/20/2008 02:32 AM
Chloromethane	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
cis-1,2-Dichloroethene	ND	0.49	0.50	H	µg/L	1	6/20/2008 02:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-6
Lab Order:	099340	**Collection Date:**	6/12/2008 10:15:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-001A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080619B** QC Batch: **TW08VW110** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50	H	µg/L	1	6/20/2008 02:32 AM
Dibromochloromethane	ND	0.34	0.50	H	µg/L	1	6/20/2008 02:32 AM
Dibromomethane	ND	0.50	0.50	H	µg/L	1	6/20/2008 02:32 AM
Dichlorodifluoromethane	ND	0.49	0.50	H	µg/L	1	6/20/2008 02:32 AM
Ethylbenzene	ND	0.45	0.50	H	µg/L	1	6/20/2008 02:32 AM
Hexachlorobutadiene	ND	0.28	0.50	H	µg/L	1	6/20/2008 02:32 AM
Isopropylbenzene	ND	0.44	0.50	H	µg/L	1	6/20/2008 02:32 AM
m,p-Xylene	ND	0.89	1.0	H	µg/L	1	6/20/2008 02:32 AM
Methylene chloride	ND	1.0	1.0	H	µg/L	1	6/20/2008 02:32 AM
n-Butylbenzene	ND	0.38	0.50	H	µg/L	1	6/20/2008 02:32 AM
n-Propylbenzene	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
Naphthalene	ND	0.33	0.50	H	µg/L	1	6/20/2008 02:32 AM
o-Xylene	ND	0.45	0.50	H	µg/L	1	6/20/2008 02:32 AM
sec-Butylbenzene	ND	0.40	0.50	H	µg/L	1	6/20/2008 02:32 AM
Styrene	ND	0.39	0.50	H	µg/L	1	6/20/2008 02:32 AM
tert-Butylbenzene	ND	0.40	0.50	H	µg/L	1	6/20/2008 02:32 AM
Tetrachloroethene	ND	0.44	0.50	H	µg/L	1	6/20/2008 02:32 AM
Toluene	ND	0.42	0.50	H	µg/L	1	6/20/2008 02:32 AM
trans-1,2-Dichloroethene	ND	0.41	0.50	H	µg/L	1	6/20/2008 02:32 AM
Trichloroethene	ND	0.38	0.50	H	µg/L	1	6/20/2008 02:32 AM
Trichlorofluoromethane	ND	0.47	0.50	H	µg/L	1	6/20/2008 02:32 AM
Vinyl chloride	ND	0.38	0.50	H	µg/L	1	6/20/2008 02:32 AM
Surr: 1,2-Dichloroethane-d4	111	0	70-130	H	%REC	1	6/20/2008 02:32 AM
Surr: 4-Bromofluorobenzene	94.4	0	70-130	H	%REC	1	6/20/2008 02:32 AM
Surr: Dibromofluoromethane	108	0	70-130	H	%REC	1	6/20/2008 02:32 AM
Surr: Toluene-d8	107	0	70-130	H	%REC	1	6/20/2008 02:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-3
Lab Order:	099340	**Collection Date:**	6/12/2008 11:05:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-002A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080620A** QC Batch: **TW08VW111** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/20/2008 02:15 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/20/2008 02:15 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/20/2008 02:15 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/20/2008 02:15 PM
1,1-Dichloroethane	170	38	50		µg/L	100	6/23/2008 04:20 PM
1,1-Dichloroethene	910	43	50		µg/L	100	6/23/2008 04:20 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/20/2008 02:15 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/20/2008 02:15 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/20/2008 02:15 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/20/2008 02:15 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/20/2008 02:15 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/20/2008 02:15 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/20/2008 02:15 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/20/2008 02:15 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/20/2008 02:15 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/20/2008 02:15 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/20/2008 02:15 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/20/2008 02:15 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/20/2008 02:15 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/20/2008 02:15 PM
Benzene	0.65	0.41	0.50		µg/L	1	6/20/2008 02:15 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/20/2008 02:15 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/20/2008 02:15 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/20/2008 02:15 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/20/2008 02:15 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/20/2008 02:15 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/20/2008 02:15 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/20/2008 02:15 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
cis-1,2-Dichloroethene	7.9	0.49	0.50		µg/L	1	6/20/2008 02:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-3
Lab Order:	099340	**Collection Date:**	6/12/2008 11:05:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-002A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080620A** QC Batch: **TW08VW111** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/20/2008 02:15 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/20/2008 02:15 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/20/2008 02:15 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/20/2008 02:15 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/20/2008 02:15 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/20/2008 02:15 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/20/2008 02:15 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/20/2008 02:15 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/20/2008 02:15 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/20/2008 02:15 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/20/2008 02:15 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/20/2008 02:15 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/20/2008 02:15 PM
Styrene	ND	0.39	0.50		µg/L	1	6/20/2008 02:15 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/20/2008 02:15 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/20/2008 02:15 PM
Toluene	ND	0.42	0.50		µg/L	1	6/20/2008 02:15 PM
trans-1,2-Dichloroethene	0.54	0.41	0.50		µg/L	1	6/20/2008 02:15 PM
Trichloroethene	0.85	0.38	0.50		µg/L	1	6/20/2008 02:15 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/20/2008 02:15 PM
Vinyl chloride	13	0.38	0.50		µg/L	1	6/20/2008 02:15 PM
Surr: 1,2-Dichloroethane-d4	107	0	70-130		%REC	1	6/20/2008 02:15 PM
Surr: 1,2-Dichloroethane-d4	107	0	70-130		%REC	100	6/23/2008 04:20 PM
Surr: 4-Bromofluorobenzene	99.0	0	70-130		%REC	1	6/20/2008 02:15 PM
Surr: 4-Bromofluorobenzene	97.4	0	70-130		%REC	100	6/23/2008 04:20 PM
Surr: Dibromofluoromethane	104	0	70-130		%REC	1	6/20/2008 02:15 PM
Surr: Dibromofluoromethane	96.6	0	70-130		%REC	100	6/23/2008 04:20 PM
Surr: Toluene-d8	107	0	70-130		%REC	100	6/23/2008 04:20 PM
Surr: Toluene-d8	106	0	70-130		%REC	1	6/20/2008 02:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-5
Lab Order:	099340	**Collection Date:**	6/12/2008 11:55:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-003A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/23/2008 01:06 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/23/2008 01:06 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/23/2008 01:06 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/23/2008 01:06 PM
1,1-Dichloroethane	1.1	0.38	0.50		µg/L	1	6/23/2008 01:06 PM
1,1-Dichloroethene	1.5	0.43	0.50		µg/L	1	6/23/2008 01:06 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 01:06 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/23/2008 01:06 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 01:06 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/23/2008 01:06 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/23/2008 01:06 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/23/2008 01:06 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/23/2008 01:06 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/23/2008 01:06 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 01:06 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/23/2008 01:06 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/23/2008 01:06 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/23/2008 01:06 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/23/2008 01:06 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/23/2008 01:06 PM
Benzene	ND	0.41	0.50		µg/L	1	6/23/2008 01:06 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/23/2008 01:06 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/23/2008 01:06 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/23/2008 01:06 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/23/2008 01:06 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/23/2008 01:06 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/23/2008 01:06 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/23/2008 01:06 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
cis-1,2-Dichloroethene	5.1	0.49	0.50		µg/L	1	6/23/2008 01:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-5
Lab Order:	099340	**Collection Date:**	6/12/2008 11:55:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_080623A**	QC Batch: **TW08VW114**				PrepDate:		Analyst: **DWK**
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/23/2008 01:06 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/23/2008 01:06 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/23/2008 01:06 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/23/2008 01:06 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/23/2008 01:06 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/23/2008 01:06 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/23/2008 01:06 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/23/2008 01:06 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/23/2008 01:06 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/23/2008 01:06 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/23/2008 01:06 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/23/2008 01:06 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 01:06 PM
Styrene	ND	0.39	0.50		µg/L	1	6/23/2008 01:06 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 01:06 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/23/2008 01:06 PM
Toluene	ND	0.42	0.50		µg/L	1	6/23/2008 01:06 PM
trans-1,2-Dichloroethene	2.0	0.41	0.50		µg/L	1	6/23/2008 01:06 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/23/2008 01:06 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/23/2008 01:06 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/23/2008 01:06 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%REC	1	6/23/2008 01:06 PM
Surr: 4-Bromofluorobenzene	98.8	0	70-130		%REC	1	6/23/2008 01:06 PM
Surr: Dibromofluoromethane	99.6	0	70-130		%REC	1	6/23/2008 01:06 PM
Surr: Toluene-d8	108	0	70-130		%REC	1	6/23/2008 01:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-4
Lab Order:	099340	**Collection Date:**	6/12/2008 1:30:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-004A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/23/2008 01:44 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/23/2008 01:44 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/23/2008 01:44 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/23/2008 01:44 PM
1,1-Dichloroethane	ND	0.38	0.50		µg/L	1	6/23/2008 01:44 PM
1,1-Dichloroethene	0.73	0.43	0.50		µg/L	1	6/23/2008 01:44 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 01:44 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/23/2008 01:44 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 01:44 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/23/2008 01:44 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/23/2008 01:44 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/23/2008 01:44 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/23/2008 01:44 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/23/2008 01:44 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 01:44 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/23/2008 01:44 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/23/2008 01:44 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/23/2008 01:44 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/23/2008 01:44 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/23/2008 01:44 PM
Benzene	ND	0.41	0.50		µg/L	1	6/23/2008 01:44 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/23/2008 01:44 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/23/2008 01:44 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/23/2008 01:44 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/23/2008 01:44 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/23/2008 01:44 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/23/2008 01:44 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/23/2008 01:44 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/23/2008 01:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-4
Lab Order:	099340	**Collection Date:**	6/12/2008 1:30:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-004A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_080623A**	QC Batch: **TW08VW114**				PrepDate:		Analyst: **DWK**
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/23/2008 01:44 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/23/2008 01:44 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/23/2008 01:44 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/23/2008 01:44 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/23/2008 01:44 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/23/2008 01:44 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/23/2008 01:44 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/23/2008 01:44 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/23/2008 01:44 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/23/2008 01:44 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/23/2008 01:44 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/23/2008 01:44 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 01:44 PM
Styrene	ND	0.39	0.50		µg/L	1	6/23/2008 01:44 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 01:44 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/23/2008 01:44 PM
Toluene	ND	0.42	0.50		µg/L	1	6/23/2008 01:44 PM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/23/2008 01:44 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/23/2008 01:44 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/23/2008 01:44 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/23/2008 01:44 PM
Surr: 1,2-Dichloroethane-d4	97.6	0	70-130		%REC	1	6/23/2008 01:44 PM
Surr: 4-Bromofluorobenzene	95.8	0	70-130		%REC	1	6/23/2008 01:44 PM
Surr: Dibromofluoromethane	98.1	0	70-130		%REC	1	6/23/2008 01:44 PM
Surr: Toluene-d8	107	0	70-130		%REC	1	6/23/2008 01:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-9
Lab Order:	099340	**Collection Date:**	6/12/2008 2:30:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-005A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/23/2008 11:41 AM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/23/2008 11:41 AM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/23/2008 11:41 AM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/23/2008 11:41 AM
1,1-Dichloroethane	ND	0.38	0.50		µg/L	1	6/23/2008 11:41 AM
1,1-Dichloroethene	1.4	0.43	0.50		µg/L	1	6/23/2008 11:41 AM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 11:41 AM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/23/2008 11:41 AM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 11:41 AM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/23/2008 11:41 AM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/23/2008 11:41 AM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/23/2008 11:41 AM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/23/2008 11:41 AM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/23/2008 11:41 AM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 11:41 AM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/23/2008 11:41 AM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/23/2008 11:41 AM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/23/2008 11:41 AM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/23/2008 11:41 AM
4-Isopropyltoluene	1.8	0.37	0.50		µg/L	1	6/23/2008 11:41 AM
Benzene	180	20	25		µg/L	50	6/20/2008 10:41 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/23/2008 11:41 AM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/23/2008 11:41 AM
Bromoform	ND	0.34	0.50		µg/L	1	6/23/2008 11:41 AM
Bromomethane	ND	0.37	0.50		µg/L	1	6/23/2008 11:41 AM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/23/2008 11:41 AM
Chloroethane	ND	0.50	0.50		µg/L	1	6/23/2008 11:41 AM
Chloroform	ND	0.36	0.50		µg/L	1	6/23/2008 11:41 AM
Chloromethane	ND	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/23/2008 11:41 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-9
Lab Order:	099340	**Collection Date:**	6/12/2008 2:30:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-005A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/23/2008 11:41 AM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/23/2008 11:41 AM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/23/2008 11:41 AM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/23/2008 11:41 AM
Ethylbenzene	7.6	0.45	0.50		µg/L	1	6/23/2008 11:41 AM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/23/2008 11:41 AM
Isopropylbenzene	22	0.44	0.50		µg/L	1	6/23/2008 11:41 AM
m,p-Xylene	2.1	0.89	1.0		µg/L	1	6/23/2008 11:41 AM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/23/2008 11:41 AM
n-Butylbenzene	2.4	0.38	0.50		µg/L	1	6/23/2008 11:41 AM
n-Propylbenzene	26	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
Naphthalene	2.1	0.33	0.50		µg/L	1	6/23/2008 11:41 AM
o-Xylene	ND	0.45	0.50		µg/L	1	6/23/2008 11:41 AM
sec-Butylbenzene	2.5	0.40	0.50		µg/L	1	6/23/2008 11:41 AM
Styrene	ND	0.39	0.50		µg/L	1	6/23/2008 11:41 AM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 11:41 AM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/23/2008 11:41 AM
Toluene	3.0	0.42	0.50		µg/L	1	6/23/2008 11:41 AM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/23/2008 11:41 AM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/23/2008 11:41 AM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/23/2008 11:41 AM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/23/2008 11:41 AM
Surr: 1,2-Dichloroethane-d4	118	0	70-130		%REC	50	6/20/2008 10:41 PM
Surr: 1,2-Dichloroethane-d4	111	0	70-130		%REC	1	6/23/2008 11:41 AM
Surr: 4-Bromofluorobenzene	102	0	70-130		%REC	1	6/23/2008 11:41 AM
Surr: 4-Bromofluorobenzene	95.7	0	70-130		%REC	50	6/20/2008 10:41 PM
Surr: Dibromofluoromethane	102	0	70-130		%REC	1	6/23/2008 11:41 AM
Surr: Dibromofluoromethane	109	0	70-130		%REC	50	6/20/2008 10:41 PM
Surr: Toluene-d8	110	0	70-130		%REC	1	6/23/2008 11:41 AM
Surr: Toluene-d8	110	0	70-130		%REC	50	6/20/2008 10:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-8
Lab Order:	099340	**Collection Date:**	6/12/2008 3:35:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-006A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	9.3	10		µg/L	20	6/23/2008 11:19 AM
1,1,1-Trichloroethane	2700	24	25		µg/L	50	6/20/2008 11:04 PM
1,1,2,2-Tetrachloroethane	ND	8.8	10		µg/L	20	6/23/2008 11:19 AM
1,1,2-Trichloroethane	ND	8.6	10		µg/L	20	6/23/2008 11:19 AM
1,1-Dichloroethane	1400	7.6	10		µg/L	20	6/23/2008 11:19 AM
1,1-Dichloroethene	3200	22	25		µg/L	50	6/20/2008 11:04 PM
1,1-Dichloropropene	ND	8.3	10		µg/L	20	6/23/2008 11:19 AM
1,2,3-Trichlorobenzene	ND	8.5	10		µg/L	20	6/23/2008 11:19 AM
1,2,3-Trichloropropane	ND	9.9	10		µg/L	20	6/23/2008 11:19 AM
1,2,4-Trichlorobenzene	ND	6.6	10		µg/L	20	6/23/2008 11:19 AM
1,2,4-Trimethylbenzene	ND	7.9	10		µg/L	20	6/23/2008 11:19 AM
1,2-Dibromo-3-chloropropane	ND	9.8	10		µg/L	20	6/23/2008 11:19 AM
1,2-Dibromoethane	ND	9.2	10		µg/L	20	6/23/2008 11:19 AM
1,2-Dichlorobenzene	ND	8.4	10		µg/L	20	6/23/2008 11:19 AM
1,2-Dichloroethane	ND	7.8	10		µg/L	20	6/23/2008 11:19 AM
1,2-Dichloropropane	ND	8.3	10		µg/L	20	6/23/2008 11:19 AM
1,3,5-Trimethylbenzene	ND	8.4	10		µg/L	20	6/23/2008 11:19 AM
1,3-Dichlorobenzene	ND	8.2	10		µg/L	20	6/23/2008 11:19 AM
1,3-Dichloropropane	ND	10	10		µg/L	20	6/23/2008 11:19 AM
1,4-Dichlorobenzene	ND	7.8	10		µg/L	20	6/23/2008 11:19 AM
2,2-Dichloropropane	ND	9.5	10		µg/L	20	6/23/2008 11:19 AM
2-Chlorotoluene	ND	6.8	10		µg/L	20	6/23/2008 11:19 AM
4-Chlorotoluene	ND	8.8	10		µg/L	20	6/23/2008 11:19 AM
4-Isopropyltoluene	ND	7.3	10		µg/L	20	6/23/2008 11:19 AM
Benzene	ND	8.1	10		µg/L	20	6/23/2008 11:19 AM
Bromobenzene	ND	8.8	10		µg/L	20	6/23/2008 11:19 AM
Bromodichloromethane	ND	7.8	10		µg/L	20	6/23/2008 11:19 AM
Bromoform	ND	6.9	10		µg/L	20	6/23/2008 11:19 AM
Bromomethane	ND	7.3	10		µg/L	20	6/23/2008 11:19 AM
Carbon tetrachloride	ND	8.3	10		µg/L	20	6/23/2008 11:19 AM
Chlorobenzene	ND	9.6	10		µg/L	20	6/23/2008 11:19 AM
Chloroethane	300	10	10		µg/L	20	6/23/2008 11:19 AM
Chloroform	ND	7.1	10		µg/L	20	6/23/2008 11:19 AM
Chloromethane	ND	8.4	10		µg/L	20	6/23/2008 11:19 AM
cis-1,2-Dichloroethene	ND	9.8	10		µg/L	20	6/23/2008 11:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-8
Lab Order:	099340	**Collection Date:**	6/12/2008 3:35:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-006A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	7.4	10		µg/L	20	6/23/2008 11:19 AM
Dibromochloromethane	ND	6.7	10		µg/L	20	6/23/2008 11:19 AM
Dibromomethane	ND	10	10		µg/L	20	6/23/2008 11:19 AM
Dichlorodifluoromethane	ND	9.8	10		µg/L	20	6/23/2008 11:19 AM
Ethylbenzene	ND	9.0	10		µg/L	20	6/23/2008 11:19 AM
Hexachlorobutadiene	ND	5.6	10		µg/L	20	6/23/2008 11:19 AM
Isopropylbenzene	ND	8.7	10		µg/L	20	6/23/2008 11:19 AM
m,p-Xylene	ND	18	20		µg/L	20	6/23/2008 11:19 AM
Methylene chloride	ND	20	20		µg/L	20	6/23/2008 11:19 AM
n-Butylbenzene	ND	7.6	10		µg/L	20	6/23/2008 11:19 AM
n-Propylbenzene	ND	8.4	10		µg/L	20	6/23/2008 11:19 AM
Naphthalene	ND	6.6	10		µg/L	20	6/23/2008 11:19 AM
o-Xylene	ND	9.0	10		µg/L	20	6/23/2008 11:19 AM
sec-Butylbenzene	ND	8.0	10		µg/L	20	6/23/2008 11:19 AM
Styrene	ND	7.8	10		µg/L	20	6/23/2008 11:19 AM
tert-Butylbenzene	ND	8.1	10		µg/L	20	6/23/2008 11:19 AM
Tetrachloroethene	ND	8.8	10		µg/L	20	6/23/2008 11:19 AM
Toluene	ND	8.4	10		µg/L	20	6/23/2008 11:19 AM
trans-1,2-Dichloroethene	ND	8.2	10		µg/L	20	6/23/2008 11:19 AM
Trichloroethene	ND	7.7	10		µg/L	20	6/23/2008 11:19 AM
Trichlorofluoromethane	ND	9.3	10		µg/L	20	6/23/2008 11:19 AM
Vinyl chloride	19	7.6	10		µg/L	20	6/23/2008 11:19 AM
Surr: 1,2-Dichloroethane-d4	121	0	70-130		%REC	20	6/23/2008 11:19 AM
Surr: 1,2-Dichloroethane-d4	121	0	70-130		%REC	50	6/20/2008 11:04 PM
Surr: 4-Bromofluorobenzene	93.2	0	70-130		%REC	20	6/23/2008 11:19 AM
Surr: 4-Bromofluorobenzene	95.0	0	70-130		%REC	50	6/20/2008 11:04 PM
Surr: Dibromofluoromethane	112	0	70-130		%REC	20	6/23/2008 11:19 AM
Surr: Dibromofluoromethane	109	0	70-130		%REC	50	6/20/2008 11:04 PM
Surr: Toluene-d8	108	0	70-130		%REC	50	6/20/2008 11:04 PM
Surr: Toluene-d8	112	0	70-130		%REC	20	6/23/2008 11:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-98
Lab Order:	099340	**Collection Date:**	6/12/2008 3:35:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-007A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	9.3	10		µg/L	20	6/23/2008 10:56 AM
1,1,1-Trichloroethane	2500	24	25		µg/L	50	6/20/2008 11:27 PM
1,1,2,2-Tetrachloroethane	ND	8.8	10		µg/L	20	6/23/2008 10:56 AM
1,1,2-Trichloroethane	ND	8.6	10		µg/L	20	6/23/2008 10:56 AM
1,1-Dichloroethane	1300	7.6	10		µg/L	20	6/23/2008 10:56 AM
1,1-Dichloroethene	3000	22	25		µg/L	50	6/20/2008 11:27 PM
1,1-Dichloropropene	ND	8.3	10		µg/L	20	6/23/2008 10:56 AM
1,2,3-Trichlorobenzene	ND	8.5	10		µg/L	20	6/23/2008 10:56 AM
1,2,3-Trichloropropane	ND	9.9	10		µg/L	20	6/23/2008 10:56 AM
1,2,4-Trichlorobenzene	ND	6.6	10		µg/L	20	6/23/2008 10:56 AM
1,2,4-Trimethylbenzene	ND	7.9	10		µg/L	20	6/23/2008 10:56 AM
1,2-Dibromo-3-chloropropane	ND	9.8	10		µg/L	20	6/23/2008 10:56 AM
1,2-Dibromoethane	ND	9.2	10		µg/L	20	6/23/2008 10:56 AM
1,2-Dichlorobenzene	ND	8.4	10		µg/L	20	6/23/2008 10:56 AM
1,2-Dichloroethane	ND	7.8	10		µg/L	20	6/23/2008 10:56 AM
1,2-Dichloropropane	ND	8.3	10		µg/L	20	6/23/2008 10:56 AM
1,3,5-Trimethylbenzene	ND	8.4	10		µg/L	20	6/23/2008 10:56 AM
1,3-Dichlorobenzene	ND	8.2	10		µg/L	20	6/23/2008 10:56 AM
1,3-Dichloropropane	ND	10	10		µg/L	20	6/23/2008 10:56 AM
1,4-Dichlorobenzene	ND	7.8	10		µg/L	20	6/23/2008 10:56 AM
2,2-Dichloropropane	ND	9.5	10		µg/L	20	6/23/2008 10:56 AM
2-Chlorotoluene	ND	6.8	10		µg/L	20	6/23/2008 10:56 AM
4-Chlorotoluene	ND	8.8	10		µg/L	20	6/23/2008 10:56 AM
4-Isopropyltoluene	ND	7.3	10		µg/L	20	6/23/2008 10:56 AM
Benzene	ND	8.1	10		µg/L	20	6/23/2008 10:56 AM
Bromobenzene	ND	8.8	10		µg/L	20	6/23/2008 10:56 AM
Bromodichloromethane	ND	7.8	10		µg/L	20	6/23/2008 10:56 AM
Bromoform	ND	6.9	10		µg/L	20	6/23/2008 10:56 AM
Bromomethane	ND	7.3	10		µg/L	20	6/23/2008 10:56 AM
Carbon tetrachloride	ND	8.3	10		µg/L	20	6/23/2008 10:56 AM
Chlorobenzene	ND	9.6	10		µg/L	20	6/23/2008 10:56 AM
Chloroethane	310	10	10		µg/L	20	6/23/2008 10:56 AM
Chloroform	ND	7.1	10		µg/L	20	6/23/2008 10:56 AM
Chloromethane	ND	8.4	10		µg/L	20	6/23/2008 10:56 AM
cis-1,2-Dichloroethene	ND	9.8	10		µg/L	20	6/23/2008 10:56 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-98
Lab Order:	099340	**Collection Date:**	6/12/2008 3:35:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-007A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	7.4	10		µg/L	20	6/23/2008 10:56 AM
Dibromochloromethane	ND	6.7	10		µg/L	20	6/23/2008 10:56 AM
Dibromomethane	ND	10	10		µg/L	20	6/23/2008 10:56 AM
Dichlorodifluoromethane	ND	9.8	10		µg/L	20	6/23/2008 10:56 AM
Ethylbenzene	ND	9.0	10		µg/L	20	6/23/2008 10:56 AM
Hexachlorobutadiene	ND	5.6	10		µg/L	20	6/23/2008 10:56 AM
Isopropylbenzene	ND	8.7	10		µg/L	20	6/23/2008 10:56 AM
m,p-Xylene	ND	18	20		µg/L	20	6/23/2008 10:56 AM
Methylene chloride	ND	20	20		µg/L	20	6/23/2008 10:56 AM
n-Butylbenzene	ND	7.6	10		µg/L	20	6/23/2008 10:56 AM
n-Propylbenzene	ND	8.4	10		µg/L	20	6/23/2008 10:56 AM
Naphthalene	ND	6.6	10		µg/L	20	6/23/2008 10:56 AM
o-Xylene	ND	9.0	10		µg/L	20	6/23/2008 10:56 AM
sec-Butylbenzene	ND	8.0	10		µg/L	20	6/23/2008 10:56 AM
Styrene	ND	7.8	10		µg/L	20	6/23/2008 10:56 AM
tert-Butylbenzene	ND	8.1	10		µg/L	20	6/23/2008 10:56 AM
Tetrachloroethene	ND	8.8	10		µg/L	20	6/23/2008 10:56 AM
Toluene	ND	8.4	10		µg/L	20	6/23/2008 10:56 AM
trans-1,2-Dichloroethene	ND	8.2	10		µg/L	20	6/23/2008 10:56 AM
Trichloroethene	ND	7.7	10		µg/L	20	6/23/2008 10:56 AM
Trichlorofluoromethane	ND	9.3	10		µg/L	20	6/23/2008 10:56 AM
Vinyl chloride	19	7.6	10		µg/L	20	6/23/2008 10:56 AM
Surr: 1,2-Dichloroethane-d4	118	0	70-130		%REC	20	6/23/2008 10:56 AM
Surr: 1,2-Dichloroethane-d4	119	0	70-130		%REC	50	6/20/2008 11:27 PM
Surr: 4-Bromofluorobenzene	97.8	0	70-130		%REC	20	6/23/2008 10:56 AM
Surr: 4-Bromofluorobenzene	94.2	0	70-130		%REC	50	6/20/2008 11:27 PM
Surr: Dibromofluoromethane	113	0	70-130		%REC	20	6/23/2008 10:56 AM
Surr: Dibromofluoromethane	109	0	70-130		%REC	50	6/20/2008 11:27 PM
Surr: Toluene-d8	107	0	70-130		%REC	50	6/20/2008 11:27 PM
Surr: Toluene-d8	112	0	70-130		%REC	20	6/23/2008 10:56 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-2R
Lab Order:	099340	**Collection Date:**	6/13/2008 8:50:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-008A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/23/2008 12:03 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/23/2008 12:03 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/23/2008 12:03 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/23/2008 12:03 PM
1,1-Dichloroethane	ND	0.38	0.50		µg/L	1	6/23/2008 12:03 PM
1,1-Dichloroethene	0.68	0.43	0.50		µg/L	1	6/23/2008 12:03 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 12:03 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/23/2008 12:03 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:03 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/23/2008 12:03 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/23/2008 12:03 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/23/2008 12:03 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/23/2008 12:03 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/23/2008 12:03 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 12:03 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/23/2008 12:03 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/23/2008 12:03 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/23/2008 12:03 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/23/2008 12:03 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/23/2008 12:03 PM
Benzene	ND	0.41	0.50		µg/L	1	6/23/2008 12:03 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/23/2008 12:03 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/23/2008 12:03 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/23/2008 12:03 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/23/2008 12:03 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/23/2008 12:03 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/23/2008 12:03 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/23/2008 12:03 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/23/2008 12:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-2R
Lab Order:	099340	**Collection Date:**	6/13/2008 8:50:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-008A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/23/2008 12:03 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/23/2008 12:03 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/23/2008 12:03 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/23/2008 12:03 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/23/2008 12:03 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/23/2008 12:03 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/23/2008 12:03 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/23/2008 12:03 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/23/2008 12:03 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/23/2008 12:03 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/23/2008 12:03 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/23/2008 12:03 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:03 PM
Styrene	ND	0.39	0.50		µg/L	1	6/23/2008 12:03 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:03 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/23/2008 12:03 PM
Toluene	ND	0.42	0.50		µg/L	1	6/23/2008 12:03 PM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/23/2008 12:03 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/23/2008 12:03 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/23/2008 12:03 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/23/2008 12:03 PM
Surr: 1,2-Dichloroethane-d4	106	0	70-130		%REC	1	6/23/2008 12:03 PM
Surr: 4-Bromofluorobenzene	96.8	0	70-130		%REC	1	6/23/2008 12:03 PM
Surr: Dibromofluoromethane	104	0	70-130		%REC	1	6/23/2008 12:03 PM
Surr: Toluene-d8	106	0	70-130		%REC	1	6/23/2008 12:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-7
Lab Order:	099340	**Collection Date:**	6/13/2008 10:05:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-009A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/23/2008 12:24 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/23/2008 12:24 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/23/2008 12:24 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/23/2008 12:24 PM
1,1-Dichloroethane	ND	0.38	0.50		µg/L	1	6/23/2008 12:24 PM
1,1-Dichloroethene	ND	0.43	0.50		µg/L	1	6/23/2008 12:24 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 12:24 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/23/2008 12:24 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:24 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/23/2008 12:24 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/23/2008 12:24 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/23/2008 12:24 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/23/2008 12:24 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/23/2008 12:24 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 12:24 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/23/2008 12:24 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/23/2008 12:24 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/23/2008 12:24 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/23/2008 12:24 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/23/2008 12:24 PM
Benzene	ND	0.41	0.50		µg/L	1	6/23/2008 12:24 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/23/2008 12:24 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/23/2008 12:24 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/23/2008 12:24 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/23/2008 12:24 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/23/2008 12:24 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/23/2008 12:24 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/23/2008 12:24 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/23/2008 12:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-7
Lab Order:	099340	**Collection Date:**	6/13/2008 10:05:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-009A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/23/2008 12:24 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/23/2008 12:24 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/23/2008 12:24 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/23/2008 12:24 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/23/2008 12:24 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/23/2008 12:24 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/23/2008 12:24 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/23/2008 12:24 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/23/2008 12:24 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/23/2008 12:24 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/23/2008 12:24 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/23/2008 12:24 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:24 PM
Styrene	ND	0.39	0.50		µg/L	1	6/23/2008 12:24 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:24 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/23/2008 12:24 PM
Toluene	ND	0.42	0.50		µg/L	1	6/23/2008 12:24 PM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/23/2008 12:24 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/23/2008 12:24 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/23/2008 12:24 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/23/2008 12:24 PM
Surr: 1,2-Dichloroethane-d4	111	0	70-130		%REC	1	6/23/2008 12:24 PM
Surr: 4-Bromofluorobenzene	95.7	0	70-130		%REC	1	6/23/2008 12:24 PM
Surr: Dibromofluoromethane	109	0	70-130		%REC	1	6/23/2008 12:24 PM
Surr: Toluene-d8	105	0	70-130		%REC	1	6/23/2008 12:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	099340	**Collection Date:**	6/13/2008 10:15:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	WATER
Lab ID:	099340-010A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080620B** QC Batch: **TW08VW112** PrepDate: Analyst: **MFR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/20/2008 09:55 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/20/2008 09:55 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/20/2008 09:55 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/20/2008 09:55 PM
1,1-Dichloroethane	ND	0.38	0.50		µg/L	1	6/20/2008 09:55 PM
1,1-Dichloroethene	ND	0.43	0.50		µg/L	1	6/20/2008 09:55 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/20/2008 09:55 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/20/2008 09:55 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/20/2008 09:55 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/20/2008 09:55 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/20/2008 09:55 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/20/2008 09:55 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/20/2008 09:55 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/20/2008 09:55 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/20/2008 09:55 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/20/2008 09:55 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/20/2008 09:55 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/20/2008 09:55 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/20/2008 09:55 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/20/2008 09:55 PM
Benzene	ND	0.41	0.50		µg/L	1	6/20/2008 09:55 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/20/2008 09:55 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/20/2008 09:55 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/20/2008 09:55 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/20/2008 09:55 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/20/2008 09:55 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/20/2008 09:55 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/20/2008 09:55 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/20/2008 09:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	099340	**Collection Date:**	6/13/2008 10:15:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	WATER
Lab ID:	099340-010A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080620B** QC Batch: **TW08VW112** PrepDate: Analyst: **MFR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/20/2008 09:55 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/20/2008 09:55 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/20/2008 09:55 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/20/2008 09:55 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/20/2008 09:55 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/20/2008 09:55 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/20/2008 09:55 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/20/2008 09:55 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/20/2008 09:55 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/20/2008 09:55 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/20/2008 09:55 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/20/2008 09:55 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/20/2008 09:55 PM
Styrene	ND	0.39	0.50		µg/L	1	6/20/2008 09:55 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/20/2008 09:55 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/20/2008 09:55 PM
Toluene	ND	0.42	0.50		µg/L	1	6/20/2008 09:55 PM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/20/2008 09:55 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/20/2008 09:55 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/20/2008 09:55 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/20/2008 09:55 PM
Surr: 1,2-Dichloroethane-d4	115	0	70-130		%REC	1	6/20/2008 09:55 PM
Surr: 4-Bromofluorobenzene	93.5	0	70-130		%REC	1	6/20/2008 09:55 PM
Surr: Dibromofluoromethane	108	0	70-130		%REC	1	6/20/2008 09:55 PM
Surr: Toluene-d8	106	0	70-130		%REC	1	6/20/2008 09:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-1
Lab Order:	099340	**Collection Date:**	6/13/2008 11:00:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-011A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/23/2008 12:45 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/23/2008 12:45 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/23/2008 12:45 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/23/2008 12:45 PM
1,1-Dichloroethane	0.40	0.38	0.50	J	µg/L	1	6/23/2008 12:45 PM
1,1-Dichloroethene	ND	0.43	0.50		µg/L	1	6/23/2008 12:45 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 12:45 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/23/2008 12:45 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:45 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/23/2008 12:45 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/23/2008 12:45 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/23/2008 12:45 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/23/2008 12:45 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/23/2008 12:45 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/23/2008 12:45 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/23/2008 12:45 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/23/2008 12:45 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/23/2008 12:45 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/23/2008 12:45 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/23/2008 12:45 PM
Benzene	ND	0.41	0.50		µg/L	1	6/23/2008 12:45 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/23/2008 12:45 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/23/2008 12:45 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/23/2008 12:45 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/23/2008 12:45 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/23/2008 12:45 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/23/2008 12:45 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/23/2008 12:45 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/23/2008 12:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-1
Lab Order:	099340	**Collection Date:**	6/13/2008 11:00:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-011A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080623A** QC Batch: **TW08VW114** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/23/2008 12:45 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/23/2008 12:45 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/23/2008 12:45 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/23/2008 12:45 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/23/2008 12:45 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/23/2008 12:45 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/23/2008 12:45 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/23/2008 12:45 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/23/2008 12:45 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/23/2008 12:45 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/23/2008 12:45 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/23/2008 12:45 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:45 PM
Styrene	ND	0.39	0.50		µg/L	1	6/23/2008 12:45 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/23/2008 12:45 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/23/2008 12:45 PM
Toluene	ND	0.42	0.50		µg/L	1	6/23/2008 12:45 PM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/23/2008 12:45 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/23/2008 12:45 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/23/2008 12:45 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/23/2008 12:45 PM
Surr: 1,2-Dichloroethane-d4	110	0	70-130		%REC	1	6/23/2008 12:45 PM
Surr: 4-Bromofluorobenzene	96.1	0	70-130		%REC	1	6/23/2008 12:45 PM
Surr: Dibromofluoromethane	106	0	70-130		%REC	1	6/23/2008 12:45 PM
Surr: Toluene-d8	104	0	70-130		%REC	1	6/23/2008 12:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	099340	**Collection Date:**	
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	WATER
Lab ID:	099340-012A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080617A** QC Batch: **TW08VW105** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.47	0.50		µg/L	1	6/17/2008 01:44 PM
1,1,1-Trichloroethane	ND	0.48	0.50		µg/L	1	6/17/2008 01:44 PM
1,1,2,2-Tetrachloroethane	ND	0.44	0.50		µg/L	1	6/17/2008 01:44 PM
1,1,2-Trichloroethane	ND	0.43	0.50		µg/L	1	6/17/2008 01:44 PM
1,1-Dichloroethane	ND	0.38	0.50		µg/L	1	6/17/2008 01:44 PM
1,1-Dichloroethene	ND	0.43	0.50		µg/L	1	6/17/2008 01:44 PM
1,1-Dichloropropene	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
1,2,3-Trichlorobenzene	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
1,2,3-Trichloropropane	ND	0.50	0.50		µg/L	1	6/17/2008 01:44 PM
1,2,4-Trichlorobenzene	ND	0.33	0.50		µg/L	1	6/17/2008 01:44 PM
1,2,4-Trimethylbenzene	ND	0.40	0.50		µg/L	1	6/17/2008 01:44 PM
1,2-Dibromo-3-chloropropane	ND	0.49	0.50		µg/L	1	6/17/2008 01:44 PM
1,2-Dibromoethane	ND	0.46	0.50		µg/L	1	6/17/2008 01:44 PM
1,2-Dichlorobenzene	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
1,2-Dichloroethane	ND	0.39	0.50		µg/L	1	6/17/2008 01:44 PM
1,2-Dichloropropane	ND	0.41	0.50		µg/L	1	6/17/2008 01:44 PM
1,3,5-Trimethylbenzene	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
1,3-Dichlorobenzene	ND	0.41	0.50		µg/L	1	6/17/2008 01:44 PM
1,3-Dichloropropane	ND	0.50	0.50		µg/L	1	6/17/2008 01:44 PM
1,4-Dichlorobenzene	ND	0.39	0.50		µg/L	1	6/17/2008 01:44 PM
2,2-Dichloropropane	ND	0.48	0.50		µg/L	1	6/17/2008 01:44 PM
2-Chlorotoluene	ND	0.34	0.50		µg/L	1	6/17/2008 01:44 PM
4-Chlorotoluene	ND	0.44	0.50		µg/L	1	6/17/2008 01:44 PM
4-Isopropyltoluene	ND	0.37	0.50		µg/L	1	6/17/2008 01:44 PM
Benzene	ND	0.41	0.50		µg/L	1	6/17/2008 01:44 PM
Bromobenzene	ND	0.44	0.50		µg/L	1	6/17/2008 01:44 PM
Bromodichloromethane	ND	0.39	0.50		µg/L	1	6/17/2008 01:44 PM
Bromoform	ND	0.34	0.50		µg/L	1	6/17/2008 01:44 PM
Bromomethane	ND	0.37	0.50		µg/L	1	6/17/2008 01:44 PM
Carbon tetrachloride	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
Chlorobenzene	ND	0.48	0.50		µg/L	1	6/17/2008 01:44 PM
Chloroethane	ND	0.50	0.50		µg/L	1	6/17/2008 01:44 PM
Chloroform	ND	0.36	0.50		µg/L	1	6/17/2008 01:44 PM
Chloromethane	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
cis-1,2-Dichloroethene	ND	0.49	0.50		µg/L	1	6/17/2008 01:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	099340	**Collection Date:**	
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	WATER
Lab ID:	099340-012A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS5_080617A** QC Batch: **TW08VW105** PrepDate: Analyst: **DWK**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.37	0.50		µg/L	1	6/17/2008 01:44 PM
Dibromochloromethane	ND	0.34	0.50		µg/L	1	6/17/2008 01:44 PM
Dibromomethane	ND	0.50	0.50		µg/L	1	6/17/2008 01:44 PM
Dichlorodifluoromethane	ND	0.49	0.50		µg/L	1	6/17/2008 01:44 PM
Ethylbenzene	ND	0.45	0.50		µg/L	1	6/17/2008 01:44 PM
Hexachlorobutadiene	ND	0.28	0.50		µg/L	1	6/17/2008 01:44 PM
Isopropylbenzene	ND	0.44	0.50		µg/L	1	6/17/2008 01:44 PM
m,p-Xylene	ND	0.89	1.0		µg/L	1	6/17/2008 01:44 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	6/17/2008 01:44 PM
n-Butylbenzene	ND	0.38	0.50		µg/L	1	6/17/2008 01:44 PM
n-Propylbenzene	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
Naphthalene	ND	0.33	0.50		µg/L	1	6/17/2008 01:44 PM
o-Xylene	ND	0.45	0.50		µg/L	1	6/17/2008 01:44 PM
sec-Butylbenzene	ND	0.40	0.50		µg/L	1	6/17/2008 01:44 PM
Styrene	ND	0.39	0.50		µg/L	1	6/17/2008 01:44 PM
tert-Butylbenzene	ND	0.40	0.50		µg/L	1	6/17/2008 01:44 PM
Tetrachloroethene	ND	0.44	0.50		µg/L	1	6/17/2008 01:44 PM
Toluene	ND	0.42	0.50		µg/L	1	6/17/2008 01:44 PM
trans-1,2-Dichloroethene	ND	0.41	0.50		µg/L	1	6/17/2008 01:44 PM
Trichloroethene	ND	0.38	0.50		µg/L	1	6/17/2008 01:44 PM
Trichlorofluoromethane	ND	0.47	0.50		µg/L	1	6/17/2008 01:44 PM
Vinyl chloride	ND	0.38	0.50		µg/L	1	6/17/2008 01:44 PM
Surr: 1,2-Dichloroethane-d4	110	0	70-130		%REC	1	6/17/2008 01:44 PM
Surr: 4-Bromofluorobenzene	96.6	0	70-130		%REC	1	6/17/2008 01:44 PM
Surr: Dibromofluoromethane	106	0	70-130		%REC	1	6/17/2008 01:44 PM
Surr: Toluene-d8	107	0	70-130		%REC	1	6/17/2008 01:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-6
Lab Order:	099340	**Collection Date:**	6/12/2008 10:15:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	0.054	0.050		mg/L	1	6/20/2008 08:39 PM
Surr: p-Terphenyl	109	37-134		%REC	1	6/20/2008 08:39 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC1_080619A	QC Batch: D08VW074			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	6/19/2008 09:41 PM
Surr: Bromofluorobenzene (FID)	89.9	76-127		%REC	1	6/19/2008 09:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-3
Lab Order:	099340	**Collection Date:**	6/12/2008 11:05:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	ND	0.050		mg/L	1	6/20/2008 09:08 PM
Surr: p-Terphenyl	71.6	37-134		%REC	1	6/20/2008 09:08 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	0.51	0.050		mg/L	1	6/20/2008 09:41 AM
Surr: Bromofluorobenzene (FID)	101	76-127		%REC	1	6/20/2008 09:41 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: The Source Group Inc.
Lab Order: 099340
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099340-003

Client Sample ID: MW-5
Collection Date: 6/12/2008 11:55:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	ND	0.050		mg/L	1	6/20/2008 09:37 PM
Surr: p-Terphenyl	107	37-134		%REC	1	6/20/2008 09:37 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	6/20/2008 10:32 AM
Surr: Bromofluorobenzene (FID)	104	76-127		%REC	1	6/20/2008 10:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-4
Lab Order:	099340	**Collection Date:**	6/12/2008 1:30:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	ND	0.050		mg/L	1	6/20/2008 10:05 PM
Surr: p-Terphenyl	118	37-134		%REC	1	6/20/2008 10:05 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	6/20/2008 11:01 AM
Surr: Bromofluorobenzene (FID)	99.6	76-127		%REC	1	6/20/2008 11:01 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-9
Lab Order:	099340	**Collection Date:**	6/12/2008 2:30:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	0.18	0.050		mg/L	1	6/20/2008 10:33 PM
Surr: p-Terphenyl	85.8	37-134		%REC	1	6/20/2008 10:33 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	2.9	0.050		mg/L	1	6/20/2008 11:31 AM
Surr: Bromofluorobenzene (FID)	103	76-127		%REC	1	6/20/2008 11:31 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-8
Lab Order:	099340	**Collection Date:**	6/12/2008 3:35:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	ND	0.050		mg/L	1	6/20/2008 11:01 PM
Surr: p-Terphenyl	107	37-134		%REC	1	6/20/2008 11:01 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	2.1	0.050		mg/L	1	6/20/2008 12:01 PM
Surr: Bromofluorobenzene (FID)	101	76-127		%REC	1	6/20/2008 12:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-98
Lab Order:	099340	**Collection Date:**	6/12/2008 3:35:00 PM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	ND	0.050		mg/L	1	6/20/2008 11:29 PM
Surr: p-Terphenyl	101	37-134		%REC	1	6/20/2008 11:29 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	2.1	0.050		mg/L	1	6/20/2008 12:31 PM
Surr: Bromofluorobenzene (FID)	98.6	76-127		%REC	1	6/20/2008 12:31 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-2R
Lab Order:	099340	**Collection Date:**	6/13/2008 8:50:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	ND	0.050		mg/L	1	6/20/2008 11:57 PM
Surr: p-Terphenyl	98.1	37-134		%REC	1	6/20/2008 11:57 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	0.098	0.050		mg/L	1	6/20/2008 01:01 PM
Surr: Bromofluorobenzene (FID)	98.9	76-127		%REC	1	6/20/2008 01:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-7
Lab Order:	099340	**Collection Date:**	6/13/2008 10:05:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	0.059	0.050		mg/L	1	6/21/2008 12:24 AM
Surr: p-Terphenyl	83.4	37-134		%REC	1	6/21/2008 12:24 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	6/20/2008 01:31 PM
Surr: Bromofluorobenzene (FID)	96.0	76-127		%REC	1	6/20/2008 01:31 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	The Source Group Inc.	**Client Sample ID:**	MW-1
Lab Order:	099340	**Collection Date:**	6/13/2008 11:00:00 AM
Project:	AB&I Foundry, 01-ABI.001	**Matrix:**	GROUND WATER
Lab ID:	099340-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC8_080619E	QC Batch: 46565			PrepDate: 6/19/2008		Analyst: **SMH**
DRO	0.16	0.050		mg/L	1	6/21/2008 12:52 AM
Surr: p-Terphenyl	93.9	37-134		%REC	1	6/21/2008 12:52 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080619B	QC Batch: I08VW081			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	6/20/2008 02:01 PM
Surr: Bromofluorobenzene (FID)	94.7	76-127		%REC	1	6/20/2008 02:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL_LLSGT

Sample ID: **LCS-46565** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **6/19/2008** RunNo: **96132**
Client ID: **LCSW** Batch ID: **46565** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/20/2008** SeqNo: **1484417**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.928	0.050	1.000	0	92.8	43	105				
Surr: p-Terphenyl	0.090		0.08000		112	37	134				

Sample ID: **MB-46565** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **6/19/2008** RunNo: **96132**
Client ID: **PBW** Batch ID: **46565** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/20/2008** SeqNo: **1484418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
Surr: p-Terphenyl	0.086		0.08000		107	37	134				

Sample ID: **MB-46565MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **6/19/2008** RunNo: **96132**
Client ID: **ZZZZZZ** Batch ID: **46565** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/20/2008** SeqNo: **1484419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.924	0.050	1.000	0	92.4	43	105				
Surr: p-Terphenyl	0.081		0.08000		101	37	134				

Sample ID: **MB-46565MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **6/19/2008** RunNo: **96132**
Client ID: **ZZZZZZ** Batch ID: **46565** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/20/2008** SeqNo: **1484420**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.854	0.050	1.000	0	85.4	43	105	0.9236	7.80	20	
Surr: p-Terphenyl	0.088		0.08000		109	37	134		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **D061908MB1MS**	SampType: **MS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **ZZZZZZ**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/19/2008**	SeqNo: **1483842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.142	0.050	1.000	0	114	77	122				
Surr: Bromofluorobenzene (FID)	86.233		100.0		86.2	76	127				

Sample ID: **D061908MB1MSD**	SampType: **MSD**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **ZZZZZZ**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/19/2008**	SeqNo: **1483843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.074	0.050	1.000	0	107	77	122	1.142	6.14	20	
Surr: Bromofluorobenzene (FID)	82.994		100.0		83.0	76	127		0	0	

Sample ID: **D061908MB1**	SampType: **MBLK**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **PBW**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/19/2008**	SeqNo: **1483844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	92.916		100.0		92.9	76	127				

Sample ID: **D061908LC3**	SampType: **LCS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **LCSW**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/20/2008**	SeqNo: **1483859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.965	0.050	1.000	0	96.5	77	122				
Surr: Bromofluorobenzene (FID)	86.754		100.0		86.8	76	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **I080619LCS4**	SampType: **LCS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96124**
Client ID: **LCSW**	Batch ID: **I08VW081**	TestNo: **EPA 8015B(M**		Analysis Date: **6/20/2008**	SeqNo: **1484225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.775	0.050	1.000	0	77.5	77	122				
Surr: Bromofluorobenzene (FID)	91.588		100.0		91.6	76	127				

Sample ID: **I080619MB2MS**	SampType: **MS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96124**
Client ID: **ZZZZZZ**	Batch ID: **I08VW081**	TestNo: **EPA 8015B(M**		Analysis Date: **6/20/2008**	SeqNo: **1484226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.779	0.050	1.000	0	77.9	77	122				
Surr: Bromofluorobenzene (FID)	96.256		100.0		96.3	76	127				

Sample ID: **I080619MB2MSD**	SampType: **MSD**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96124**
Client ID: **ZZZZZZ**	Batch ID: **I08VW081**	TestNo: **EPA 8015B(M**		Analysis Date: **6/20/2008**	SeqNo: **1484227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.828	0.050	1.000	0	82.8	77	122	0.7790	6.10	20	
Surr: Bromofluorobenzene (FID)	98.293		100.0		98.3	76	127		0	0	

Sample ID: **I080619MB2**	SampType: **MBLK**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96124**
Client ID: **PBW**	Batch ID: **I08VW081**	TestNo: **EPA 8015B(M**		Analysis Date: **6/20/2008**	SeqNo: **1484228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	104.258		100.0		104	76	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GU LL

Sample ID: **D061908MB1MS**	SampType: **MS**	TestCode: **8015_W_GU**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **ZZZZZZ**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/19/2008**	SeqNo: **1483862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.142	0.050	1.000	0	114	77	122				
Surr: Bromofluorobenzene (FID)	86.233		100.0		86.2	76	127				

Sample ID: **D061908MB1MSD**	SampType: **MSD**	TestCode: **8015_W_GU**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **ZZZZZZ**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/19/2008**	SeqNo: **1483863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.074	0.050	1.000	0	107	77	122	1.142	6.14	20	
Surr: Bromofluorobenzene (FID)	82.994		100.0		83.0	76	127		0	0	

Sample ID: **D061908MB1**	SampType: **MBLK**	TestCode: **8015_W_GU**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **PBW**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/19/2008**	SeqNo: **1483864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	92.916		100.0		92.9	76	127				

Sample ID: **D061908LC3**	SampType: **LCS**	TestCode: **8015_W_GU**	Units: **mg/L**	Prep Date:	RunNo: **96099**
Client ID: **LCSW**	Batch ID: **D08VW074**	TestNo: **EPA 8015B(M**		Analysis Date: **6/20/2008**	SeqNo: **1483866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.965	0.050	1.000	0	96.5	77	122				
Surr: Bromofluorobenzene (FID)	86.754		100.0		86.8	76	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080617LCS1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **95984**
Client ID: **LCSW** Batch ID: **TW08VW105** TestNo: **EPA 8260B** Analysis Date: **6/17/2008** SeqNo: **1481499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.850	0.50	20.00	0	94.3	70	130				
Benzene	19.980	0.50	20.00	0	99.9	70	130				
Chlorobenzene	18.510	0.50	20.00	0	92.6	70	130				
MTBE	19.580	0.50	20.00	0	97.9	70	130				
Toluene	20.570	0.50	20.00	0.4700	101	70	130				
Trichloroethene	18.990	0.50	20.00	0	95.0	70	130				
Surr: 1,2-Dichloroethane-d4	26.070		25.00		104	70	130				
Surr: 4-Bromofluorobenzene	24.580		25.00		98.3	70	130				
Surr: Dibromofluoromethane	26.160		25.00		105	70	130				
Surr: Toluene-d8	26.840		25.00		107	70	130				

Sample ID: **TW080617MB4MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **95984**
Client ID: **ZZZZZZ** Batch ID: **TW08VW105** TestNo: **EPA 8260B** Analysis Date: **6/17/2008** SeqNo: **1481500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.230	0.50	20.00	0	96.2	70	130				
Benzene	19.850	0.50	20.00	0	99.2	70	130				
Chlorobenzene	18.250	0.50	20.00	0	91.2	70	130				
Toluene	20.090	0.50	20.00	0.4700	98.1	70	130				
Trichloroethene	18.930	0.50	20.00	0	94.6	70	130				
Surr: 1,2-Dichloroethane-d4	26.260		25.00		105	70	130				
Surr: 4-Bromofluorobenzene	24.790		25.00		99.2	70	130				
Surr: Dibromofluoromethane	26.310		25.00		105	70	130				
Surr: Toluene-d8	26.480		25.00		106	70	130				

Sample ID: **TW080617MB4** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **95984**
Client ID: **PBW** Batch ID: **TW08VW105** TestNo: **EPA 8260B** Analysis Date: **6/17/2008** SeqNo: **1481502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080617MB4** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **95984**
Client ID: **PBW** Batch ID: **TW08VW105** TestNo: **EPA 8260B** Analysis Date: **6/17/2008** SeqNo: **1481502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080617MB4** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **95984**
Client ID: **PBW** Batch ID: **TW08VW105** TestNo: **EPA 8260B** Analysis Date: **6/17/2008** SeqNo: **1481502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	0.470	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	26.070		25.00		104	70	130				
Surr: 4-Bromofluorobenzene	24.490		25.00		98.0	70	130				
Surr: Dibromofluoromethane	26.170		25.00		105	70	130				
Surr: Toluene-d8	26.730		25.00		107	70	130				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619LCS2** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **LCSW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.770	0.50	20.00	0	93.8	70	130				
Benzene	18.330	0.50	20.00	0	91.7	70	130				
Chlorobenzene	16.690	0.50	20.00	0	83.4	70	130				
MTBE	18.650	0.50	20.00	0	93.3	70	130				
Toluene	17.830	0.50	20.00	0	89.2	70	130				
Trichloroethene	17.100	0.50	20.00	0	85.5	70	130				
Surr: 1,2-Dichloroethane-d4	26.940		25.00		108	70	130				
Surr: 4-Bromofluorobenzene	24.750		25.00		99.0	70	130				
Surr: Dibromofluoromethane	25.880		25.00		104	70	130				
Surr: Toluene-d8	26.680		25.00		107	70	130				

Sample ID: **TW080619MB4MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **ZZZZZZ** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.870	0.50	20.00	0	99.4	70	130				
Benzene	19.150	0.50	20.00	0	95.8	70	130				
Chlorobenzene	17.570	0.50	20.00	0	87.9	70	130				
Toluene	18.760	0.50	20.00	0	93.8	70	130				
Trichloroethene	18.260	0.50	20.00	0	91.3	70	130				
Surr: 1,2-Dichloroethane-d4	27.890		25.00		112	70	130				
Surr: 4-Bromofluorobenzene	24.730		25.00		98.9	70	130				
Surr: Dibromofluoromethane	26.340		25.00		105	70	130				
Surr: Toluene-d8	27.140		25.00		109	70	130				

Sample ID: **TW080619MB4MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **ZZZZZZ** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.170	0.50	20.00	0	101	70	130	19.87	1.50	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619MB4MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **ZZZZZZ** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.390	0.50	20.00	0	97.0	70	130	19.15	1.25	20	
Chlorobenzene	17.840	0.50	20.00	0	89.2	70	130	17.57	1.52	20	
Toluene	19.030	0.50	20.00	0	95.2	70	130	18.76	1.43	20	
Trichloroethene	18.630	0.50	20.00	0	93.2	70	130	18.26	2.01	20	
Surr: 1,2-Dichloroethane-d4	27.730		25.00		111	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.570		25.00		98.3	70	130		0	20	
Surr: Dibromofluoromethane	26.350		25.00		105	70	130		0	20	
Surr: Toluene-d8	26.330		25.00		105	70	130		0	20	

Sample ID: **TW080619MB4BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **PBW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619MB4BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **PBW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619MB4BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **PBW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1483513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	27.730		25.00		111	70	130				
Surr: 4-Bromofluorobenzene	24.330		25.00		97.3	70	130				
Surr: Dibromofluoromethane	27.060		25.00		108	70	130				
Surr: Toluene-d8	26.010		25.00		104	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619LCS3** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **LCSW** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.330	0.50	20.00	0	107	70	130				
Benzene	18.420	0.50	20.00	0	92.1	70	130				
Chlorobenzene	16.990	0.50	20.00	0	85.0	70	130				
MTBE	14.910	0.50	20.00	0	74.6	70	130				
Toluene	17.640	0.50	20.00	0	88.2	70	130				
Trichloroethene	18.420	0.50	20.00	0	92.1	70	130				
Surr: 1,2-Dichloroethane-d4	25.730		25.00		103	70	130				
Surr: 4-Bromofluorobenzene	25.020		25.00		100	70	130				
Surr: Dibromofluoromethane	26.000		25.00		104	70	130				
Surr: Toluene-d8	26.030		25.00		104	70	130				

Sample ID: **TW080619MB6MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **ZZZZZZ** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.860	0.50	20.00	0	104	70	130				
Benzene	18.240	0.50	20.00	0	91.2	70	130				
Chlorobenzene	17.050	0.50	20.00	0	85.2	70	130				
Toluene	17.860	0.50	20.00	0	89.3	70	130				
Trichloroethene	18.330	0.50	20.00	0	91.7	70	130				
Surr: 1,2-Dichloroethane-d4	25.590		25.00		102	70	130				
Surr: 4-Bromofluorobenzene	25.800		25.00		103	70	130				
Surr: Dibromofluoromethane	26.580		25.00		106	70	130				
Surr: Toluene-d8	26.430		25.00		106	70	130				

Sample ID: **TW080619MB6MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **ZZZZZZ** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.500	0.50	20.00	0	97.5	70	130	20.86	6.74	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619MB6MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **ZZZZZZ** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.590	0.50	20.00	0	88.0	70	130	18.24	3.63	20	
Chlorobenzene	16.230	0.50	20.00	0	81.2	70	130	17.05	4.93	20	
Toluene	17.240	0.50	20.00	0	86.2	70	130	17.86	3.53	20	
Trichloroethene	17.860	0.50	20.00	0	89.3	70	130	18.33	2.60	20	
Surr: 1,2-Dichloroethane-d4	25.790		25.00		103	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.760		25.00		99.0	70	130		0	20	
Surr: Dibromofluoromethane	26.080		25.00		104	70	130		0	20	
Surr: Toluene-d8	26.520		25.00		106	70	130		0	20	

Sample ID: **TW080619MB6BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **PBW** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619MB6BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **PBW** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080619MB6BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96091**
Client ID: **PBW** Batch ID: **TW08VW111** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1483720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	25.910		25.00		104	70	130				
Surr: 4-Bromofluorobenzene	24.360		25.00		97.4	70	130				
Surr: Dibromofluoromethane	25.700		25.00		103	70	130				
Surr: Toluene-d8	26.420		25.00		106	70	130				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW80620LCS2** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **LCSW** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484563**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.040	0.50	20.00	0	95.2	70	130				
Benzene	18.560	0.50	20.00	0	92.8	70	130				
Chlorobenzene	16.820	0.50	20.00	0	84.1	70	130				
MTBE	20.440	0.50	20.00	0	102	70	130				
Toluene	18.300	0.50	20.00	0	91.5	70	130				
Trichloroethene	17.530	0.50	20.00	0	87.6	70	130				
Surr: 1,2-Dichloroethane-d4	29.030		25.00		116	70	130				
Surr: 4-Bromofluorobenzene	24.070		25.00		96.3	70	130				
Surr: Dibromofluoromethane	26.290		25.00		105	70	130				
Surr: Toluene-d8	26.880		25.00		108	70	130				

Sample ID: **TW080620MB4MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **ZZZZZZ** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.650	0.50	20.00	0	103	70	130				
Benzene	19.060	0.50	20.00	0	95.3	70	130				
Chlorobenzene	17.340	0.50	20.00	0	86.7	70	130				
Toluene	18.440	0.50	20.00	0	92.2	70	130				
Trichloroethene	17.970	0.50	20.00	0	89.8	70	130				
Surr: 1,2-Dichloroethane-d4	28.710		25.00		115	70	130				
Surr: 4-Bromofluorobenzene	24.630		25.00		98.5	70	130				
Surr: Dibromofluoromethane	26.880		25.00		108	70	130				
Surr: Toluene-d8	26.750		25.00		107	70	130				

Sample ID: **TW080620MB4MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **ZZZZZZ** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.880	0.50	20.00	0	99.4	70	130	20.65	3.80	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080620MB4MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **ZZZZZZ** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.730	0.50	20.00	0	93.6	70	130	19.06	1.75	20	
Chlorobenzene	17.170	0.50	20.00	0	85.9	70	130	17.34	0.985	20	
Toluene	18.370	0.50	20.00	0	91.9	70	130	18.44	0.380	20	
Trichloroethene	17.900	0.50	20.00	0	89.5	70	130	17.97	0.390	20	
Surr: 1,2-Dichloroethane-d4	27.760		25.00		111	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.600		25.00		98.4	70	130		0	20	
Surr: Dibromofluoromethane	26.000		25.00		104	70	130		0	20	
Surr: Toluene-d8	26.460		25.00		106	70	130		0	20	

Sample ID: **TW080620MB4** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **PBW** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080620MB4** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **PBW** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080620MB4** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96139**
Client ID: **PBW** Batch ID: **TW08VW112** TestNo: **EPA 8260B** Analysis Date: **6/20/2008** SeqNo: **1484566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	27.700		25.00		111	70	130				
Surr: 4-Bromofluorobenzene	23.480		25.00		93.9	70	130				
Surr: Dibromofluoromethane	26.760		25.00		107	70	130				
Surr: Toluene-d8	26.450		25.00		106	70	130				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080623LCS2** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **LCSW** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.830	0.50	20.00	0	99.2	70	130				
Benzene	18.880	0.50	20.00	0	94.4	70	130				
Chlorobenzene	17.900	0.50	20.00	0	89.5	70	130				
MTBE	19.260	0.50	20.00	0	96.3	70	130				
Toluene	18.730	0.50	20.00	0	93.6	70	130				
Trichloroethene	18.520	0.50	20.00	0	92.6	70	130				
Surr: 1,2-Dichloroethane-d4	28.270		25.00		113	70	130				
Surr: 4-Bromofluorobenzene	24.460		25.00		97.8	70	130				
Surr: Dibromofluoromethane	27.430		25.00		110	70	130				
Surr: Toluene-d8	26.780		25.00		107	70	130				

Sample ID: **TW080623MB4MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **ZZZZZZ** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.520	0.50	20.00	0	103	70	130				
Benzene	18.800	0.50	20.00	0	94.0	70	130				
Chlorobenzene	17.680	0.50	20.00	0	88.4	70	130				
Toluene	18.420	0.50	20.00	0	92.1	70	130				
Trichloroethene	18.030	0.50	20.00	0	90.2	70	130				
Surr: 1,2-Dichloroethane-d4	27.810		25.00		111	70	130				
Surr: 4-Bromofluorobenzene	24.110		25.00		96.4	70	130				
Surr: Dibromofluoromethane	26.130		25.00		105	70	130				
Surr: Toluene-d8	26.620		25.00		106	70	130				

Sample ID: **TW080623MB4MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **ZZZZZZ** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.400	0.50	20.00	0	97.0	70	130	20.52	5.61	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080623MB4MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **ZZZZZZ** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.970	0.50	20.00	0	94.8	70	130	18.80	0.900	20	
Chlorobenzene	17.530	0.50	20.00	0	87.6	70	130	17.68	0.852	20	
Toluene	18.340	0.50	20.00	0	91.7	70	130	18.42	0.435	20	
Trichloroethene	18.220	0.50	20.00	0	91.1	70	130	18.03	1.05	20	
Surr: 1,2-Dichloroethane-d4	27.950		25.00		112	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.060		25.00		96.2	70	130		0	20	
Surr: Dibromofluoromethane	26.360		25.00		105	70	130		0	20	
Surr: Toluene-d8	26.280		25.00		105	70	130		0	20	

Sample ID: **TW080623MB4BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **PBW** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080623MB4BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **PBW** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **TW080623MB4BLK** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **96148**
Client ID: **PBW** Batch ID: **TW08VW114** TestNo: **EPA 8260B** Analysis Date: **6/23/2008** SeqNo: **1485128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	28.220		25.00		113	70	130				
Surr: 4-Bromofluorobenzene	23.610		25.00		94.4	70	130				
Surr: Dibromofluoromethane	26.160		25.00		105	70	130				
Surr: Toluene-d8	26.580		25.00		106	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **TW080619LCS2** SampType: **LCS** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **LCSW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.770	0.50	20.00	0	93.8	70	130				
Benzene	18.330	0.50	20.00	0	91.7	70	130				
Chlorobenzene	16.690	0.50	20.00	0	83.4	70	130				
MTBE	18.650	0.50	20.00	0	93.3	70	130				
Toluene	17.830	0.50	20.00	0	89.2	70	130				
Trichloroethene	17.100	0.50	20.00	0	85.5	70	130				
Surr: 1,2-Dichloroethane-d4	26.940		25.00		108	70	130				
Surr: 4-Bromofluorobenzene	24.750		25.00		99.0	70	130				
Surr: Dibromofluoromethane	25.880		25.00		104	70	130				
Surr: Toluene-d8	26.680		25.00		107	70	130				

Sample ID: **TW080619MB4MS** SampType: **MS** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **ZZZZZZ** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.870	0.50	20.00	0	99.4	70	130				
Benzene	19.150	0.50	20.00	0	95.8	70	130				
Chlorobenzene	17.570	0.50	20.00	0	87.9	70	130				
Toluene	18.760	0.50	20.00	0	93.8	70	130				
Trichloroethene	18.260	0.50	20.00	0	91.3	70	130				
Surr: 1,2-Dichloroethane-d4	27.890		25.00		112	70	130				
Surr: 4-Bromofluorobenzene	24.730		25.00		98.9	70	130				
Surr: Dibromofluoromethane	26.340		25.00		105	70	130				
Surr: Toluene-d8	27.140		25.00		109	70	130				

Sample ID: **TW080619MB4MSD** SampType: **MSD** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **ZZZZZZ** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.170	0.50	20.00	0	101	70	130	19.87	1.50	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **TW080619MB4MSD** SampType: **MSD** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **ZZZZZZ** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.390	0.50	20.00	0	97.0	70	130	19.15	1.25	20	
Chlorobenzene	17.840	0.50	20.00	0	89.2	70	130	17.57	1.52	20	
Toluene	19.030	0.50	20.00	0	95.2	70	130	18.76	1.43	20	
Trichloroethene	18.630	0.50	20.00	0	93.2	70	130	18.26	2.01	20	
Surr: 1,2-Dichloroethane-d4	27.730		25.00		111	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.570		25.00		98.3	70	130		0	20	
Surr: Dibromofluoromethane	26.350		25.00		105	70	130		0	20	
Surr: Toluene-d8	26.330		25.00		105	70	130		0	20	

Sample ID: **TW080619MB4BLK** SampType: **MBLK** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **PBW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **TW080619MB4BLK** SampType: **MBLK** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **PBW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099340
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **TW080619MB4BLK** SampType: **MBLK** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **96080**
Client ID: **PBW** Batch ID: **TW08VW110** TestNo: **EPA 8260B** Analysis Date: **6/19/2008** SeqNo: **1484844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	27.730		25.00		111	70	130				
Surr: 4-Bromofluorobenzene	24.330		25.00		97.3	70	130				
Surr: Dibromofluoromethane	27.060		25.00		108	70	130				
Surr: Toluene-d8	26.010		25.00		104	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ______
Logged By: [signature] Date: 6/14/08

Method of Transport: Client ☐ ATL ☐ CA OverN ☑ FEDEX ☐ Other: ______

Sample Condition Upon Receipt:
1. CHILLED 4 8, 3.4 Y ☑ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: The Source Group, Inc. Address: 3451-C Vincent Rd. TEL: 925 944-2856
Attn: Kent Reynolds City: Pleasant Hill State: CA Zip Code: 94523 FAX: 925 944-2859

Project Name: AB+I Foundry Project #: 01-ABI.001 Sampler: (Printed Name) Nathan Citen (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
[signature] Nathan Citen	6/13/08	1400	[signature]	6/14/08	1010

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Nathan Citen (Print Name) Date ______ Signature [signature]

Send Report To: Attn: Kent Reynolds Co: The Source Group, Inc. Address 3451-C Vincent Rd. City Pleasant Hill State CA Zip 94523

Bill To: Attn: ______ Co: SAME Address ______ City ______ State ______ Zip ______

Special Instructions/Comments:
- 0.5 ug/L reporting limit
include EDD + EDF ID: T0600100065
- Silica gel c/u on extractables
- Email report to ncitren@thesourcegroup.net

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX; QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

LAB USE ONLY: Batch #:

ITEM	Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / ~~8020 (BTEX)~~	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Silica gel	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	099340-01	MW-6	6/12	1015			X			X	X			X			X		E	7		/	unpreserved
	-2	MW-3	↓	1105			↓			↓	↓			↓			↓		↓	7		H	
	-3	MW-5	↓	1155			↓			↓	↓			↓			↓		↓	7		H	
	-4	MW-4	↓	1330			↓			↓	↓			↓			↓		↓	7		H	
	-5	MW-9	↓	1430			↓			↓	↓			↓			↓		↓	7		H	
	-6	MW-8	↓	1535			↓			↓	↓			↓			↓		↓	7		H	
	-7	MW-98	↓	1535			↓			↓	↓			↓			↓		↓	7		H	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Pg 2 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____
Logged By: [signature] Date: 6/14/08

Method of Transport: Client ☐ ATL ☐ CA OverN ☑ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED 4.8°C 3.4°C Y ☑ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: The Source Group, Inc.
Attn: Kent Reynolds
Address: 3451-C Vincent Rd.
City: Pleasant Hill State: CA Zip Code: 94523
TEL: (925) 944-2856
FAX: (925) 944-2859

Project Name: AB&I Foundry
Project #: 01-ABI.001
Sampler: (Printed Name) Nathan Cilton (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
[signature] Nathan Cilton	6/13/08	1400	[signature]	6/14/08	1010

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Nathan Cilton (Print Name) 6/12/08 (Date)
[signature] (Signature)

Send Report To:
Attn: Kent Reynolds
Co: The Source Group
Address: 3451-C Vincent Rd.
City: Pleasant Hill State: CA Zip: 94523

Bill To:
Attn:
Co: SAME
Address:
City: State: Zip:

Special Instructions/Comments:
0.5 reporting limit
include EDD & EDF ID: T0600100065
silica gel cleanup
- cc report to ncilton@thesourcegroup.net

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), Silica gel

Specify Appropriate Matrix: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

LAB USE ONLY: Lab No.	Sample I.D. / Location	Date	Time	8260B (Volatiles)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	Silica gel	WATER	GROUND WATER	TAT	Container #	Type	Preservation	REMARKS
099340-8	MW-2R	6/13	850	X	X	X	X		X	E	7		H	
-9	MW-7	6/13	1005	X	X	X	X		X	↓	7		H	
-10	Equipment Blank	6/13	1015	X				X		↓	3		H	
-11	MW-1	6/13	1100	X	X	X	X		X	↓	7		H	
-12	Trip Blank	—	—	X				X		↓	4		H	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl $N=HNO_3$ $S=H_2SO_4$ C=4°C Z=Zn(AC)$_2$ O=NaOH $T=Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

July 21, 2008

Kent Reynolds
The Source Group Inc.
3451 Vincent Dr., Suite C
Pleasant Hill, CA 94523
TEL: (925) 944-2856
FAX: (925) 944-2859

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 099862

RE: AB&I Foundry, 01-ABI.001

Attention: Kent Reynolds

Enclosed are the results for sample(s) received on July 11, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: The Source Group Inc.
Project: AB&I Foundry, 01-ABI.001
Lab Order: 099862

CASE NARRATIVE

Silica Gel Cleanup was performed on sample prior to the analysis, per client request.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-001

Client Sample ID: SB-38-GW25
Collection Date: 7/8/2008 11:07:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC7_080716A	QC Batch: 47195			PrepDate: 7/15/2008		Analyst: **CBR**
DRO	ND	0.050		mg/L	1	7/16/2008 12:40 PM
Surr: p-Terphenyl	68.7	37-134		%REC	1	7/16/2008 12:40 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080711A	QC Batch: I08VW101			PrepDate:		Analyst: **TT**
GRO	0.13	0.050		mg/L	1	7/11/2008 05:02 PM
Surr: Bromofluorobenzene (FID)	99.2	76-127		%REC	1	7/11/2008 05:02 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS11_080715A	QC Batch: A08VW167			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,1-Dichloroethane	49	0.50		µg/L	1	7/15/2008 03:10 PM
1,1-Dichloroethene	70	0.50		µg/L	1	7/15/2008 03:10 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2-Dibromo-3-chloropropane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
2-Chlorotoluene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
4-Chlorotoluene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Benzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-001

Client Sample ID: SB-38-GW25
Collection Date: 7/8/2008 11:07:00 AM
Matrix: GROUND WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_080715A QC Batch: A08VW167 PrepDate: Analyst: **TT**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Bromodichloromethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Bromoform	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Bromomethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Carbon tetrachloride	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Chlorobenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Chloroethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Chloroform	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Chloromethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
cis-1,2-Dichloroethene	4.1	0.50		µg/L	1	7/15/2008 03:10 PM
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Dibromochloromethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Dibromomethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Ethylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Isopropylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
m,p-Xylene	ND	1.0		µg/L	1	7/15/2008 03:10 PM
Methylene chloride	ND	1.0		µg/L	1	7/15/2008 03:10 PM
n-Butylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
n-Propylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Naphthalene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
o-Xylene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
sec-Butylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Styrene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
tert-Butylbenzene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Tetrachloroethene	0.50	0.50		µg/L	1	7/15/2008 03:10 PM
Toluene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Trichloroethene	0.55	0.50		µg/L	1	7/15/2008 03:10 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	7/15/2008 03:10 PM
Vinyl chloride	1.0	0.50		µg/L	1	7/15/2008 03:10 PM
Surr: 1,2-Dichloroethane-d4	109	70-130		%REC	1	7/15/2008 03:10 PM
Surr: 4-Bromofluorobenzene	95.4	70-130		%REC	1	7/15/2008 03:10 PM
Surr: Dibromofluoromethane	113	70-130		%REC	1	7/15/2008 03:10 PM
Surr: Toluene-d8	113	70-130		%REC	1	7/15/2008 03:10 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-004

Client Sample ID: SB-42-40
Collection Date: 7/9/2008 4:18:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_080714D	QC Batch: 47188			PrepDate: 7/14/2008		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	7/15/2008 02:43 PM
Surr: p-Terphenyl	54.4	26-127		%REC	1	7/15/2008 02:43 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_080714A	QC Batch: E08VS209			PrepDate:		Analyst: **KHN**
GRO	ND	1.0		mg/Kg	1	7/14/2008 12:31 PM
Surr: Bromofluorobenzene (FID)	94.6	42-142		%REC	1	7/14/2008 12:31 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_080716B	QC Batch: T08VS141			PrepDate:		Analyst: **CBB**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	7/16/2008 07:13 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Benzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-004

Client Sample ID: SB-42-40
Collection Date: 7/9/2008 4:18:00 PM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_080716B | QC Batch: T08VS141 | PrepDate: | Analyst: **CBB**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Bromoform	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Bromomethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Chlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Chloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Chloroform	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Chloromethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Dibromomethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
m,p-Xylene	ND	10		µg/Kg	1	7/16/2008 07:13 PM
Methylene chloride	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Naphthalene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
o-Xylene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Styrene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Toluene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Trichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Vinyl chloride	ND	5.0		µg/Kg	1	7/16/2008 07:13 PM
Surr: 1,2-Dichloroethane-d4	108	70-130		%REC	1	7/16/2008 07:13 PM
Surr: 4-Bromofluorobenzene	86.6	70-130		%REC	1	7/16/2008 07:13 PM
Surr: Dibromofluoromethane	94.9	70-130		%REC	1	7/16/2008 07:13 PM
Surr: Toluene-d8	86.7	70-130		%REC	1	7/16/2008 07:13 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-005

Client Sample ID: SB-45-5
Collection Date: 7/10/2008 6:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_080714D	QC Batch: 47188			PrepDate: 7/14/2008		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	7/15/2008 03:10 PM
Surr: p-Terphenyl	58.6	26-127		%REC	1	7/15/2008 03:10 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080714A	QC Batch: E08VS209			PrepDate:		Analyst: **KHN**
GRO	ND	1.0		mg/Kg	1	7/14/2008 02:26 PM
Surr: Bromofluorobenzene (FID)	80.9	42-142		%REC	1	7/14/2008 02:26 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS5_080716B	QC Batch: T08VS141			PrepDate:		Analyst: **CBB**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	7/16/2008 07:32 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Benzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-005

Client Sample ID: SB-45-5
Collection Date: 7/10/2008 6:45:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_080716B QC Batch: T08VS141 PrepDate: Analyst: **CBB**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Bromoform	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Bromomethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Chlorobenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Chloroethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Chloroform	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Chloromethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Dibromomethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
m,p-Xylene	ND	10		µg/Kg	1	7/16/2008 07:32 PM
Methylene chloride	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Naphthalene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
o-Xylene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Styrene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Toluene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Trichloroethene	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Vinyl chloride	ND	5.0		µg/Kg	1	7/16/2008 07:32 PM
Surr: 1,2-Dichloroethane-d4	111	70-130		%REC	1	7/16/2008 07:32 PM
Surr: 4-Bromofluorobenzene	82.8	70-130		%REC	1	7/16/2008 07:32 PM
Surr: Dibromofluoromethane	96.2	70-130		%REC	1	7/16/2008 07:32 PM
Surr: Toluene-d8	90.1	70-130		%REC	1	7/16/2008 07:32 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-006

Client Sample ID: SB-45-15
Collection Date: 7/10/2008 7:09:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_080714D	QC Batch: 47188			PrepDate: 7/14/2008		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	7/15/2008 03:36 PM
Surr: p-Terphenyl	58.9	26-127		%REC	1	7/15/2008 03:36 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080714A	QC Batch: E08VS209			PrepDate:		Analyst: **KHN**
GRO	66	5.0		mg/Kg	5	7/14/2008 02:41 PM
Surr: Bromofluorobenzene (FID)	71.6	42-142		%REC	5	7/14/2008 02:41 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS5_080716B	QC Batch: T08VS141			PrepDate:		Analyst: **CBB**
1,1,1,2-Tetrachloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,1,1-Trichloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,1,2,2-Tetrachloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,1,2-Trichloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,1-Dichloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,1-Dichloroethene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,1-Dichloropropene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2,3-Trichlorobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2,3-Trichloropropane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2,4-Trichlorobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2,4-Trimethylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2-Dibromo-3-chloropropane	ND	500		µg/Kg	50	7/16/2008 09:49 PM
1,2-Dibromoethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2-Dichlorobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2-Dichloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,2-Dichloropropane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,3,5-Trimethylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,3-Dichlorobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,3-Dichloropropane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
1,4-Dichlorobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
2,2-Dichloropropane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
2-Chlorotoluene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
4-Chlorotoluene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
4-Isopropyltoluene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Benzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-006

Client Sample ID: SB-45-15
Collection Date: 7/10/2008 7:09:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_080716B QC Batch: T08VS141 PrepDate: Analyst: **CBB**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Bromodichloromethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Bromoform	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Bromomethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Carbon tetrachloride	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Chlorobenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Chloroethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Chloroform	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Chloromethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
cis-1,2-Dichloroethene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
cis-1,3-Dichloropropene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Dibromochloromethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Dibromomethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Dichlorodifluoromethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Ethylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Hexachlorobutadiene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Isopropylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
m,p-Xylene	ND	500		µg/Kg	50	7/16/2008 09:49 PM
Methylene chloride	ND	250		µg/Kg	50	7/16/2008 09:49 PM
n-Butylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
n-Propylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Naphthalene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
o-Xylene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
sec-Butylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Styrene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
tert-Butylbenzene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Tetrachloroethene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Toluene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
trans-1,2-Dichloroethene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Trichloroethene	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Trichlorofluoromethane	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Vinyl chloride	ND	250		µg/Kg	50	7/16/2008 09:49 PM
Surr: 1,2-Dichloroethane-d4	109	70-130		%REC	50	7/16/2008 09:49 PM
Surr: 4-Bromofluorobenzene	100	70-130		%REC	50	7/16/2008 09:49 PM
Surr: Dibromofluoromethane	98.3	70-130		%REC	50	7/16/2008 09:49 PM
Surr: Toluene-d8	93.1	70-130		%REC	50	7/16/2008 09:49 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-007

Client Sample ID: SB-45-20
Collection Date: 7/10/2008 7:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_080714D	QC Batch: 47188			PrepDate: 7/14/2008		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	7/15/2008 04:03 PM
Surr: p-Terphenyl	53.9	26-127		%REC	1	7/15/2008 04:03 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_080714A	QC Batch: E08VS209			PrepDate:		Analyst: **KHN**
GRO	360	100		mg/Kg	100	7/14/2008 01:43 PM
Surr: Bromofluorobenzene (FID)	77.5	42-142		%REC	100	7/14/2008 01:43 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_080716B	QC Batch: T08VS141			PrepDate:		Analyst: **CBB**
1,1,1,2-Tetrachloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,1,1-Trichloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,1,2,2-Tetrachloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,1,2-Trichloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,1-Dichloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,1-Dichloroethene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,1-Dichloropropene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2,3-Trichlorobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2,3-Trichloropropane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2,4-Trichlorobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2,4-Trimethylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2-Dibromo-3-chloropropane	ND	500		µg/Kg	50	7/16/2008 10:09 PM
1,2-Dibromoethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2-Dichlorobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2-Dichloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,2-Dichloropropane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,3,5-Trimethylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,3-Dichlorobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,3-Dichloropropane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
1,4-Dichlorobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
2,2-Dichloropropane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
2-Chlorotoluene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
4-Chlorotoluene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
4-Isopropyltoluene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Benzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-007

Client Sample ID: SB-45-20
Collection Date: 7/10/2008 7:20:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_080716B QC Batch: T08VS141 PrepDate: Analyst: **CBB**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Bromodichloromethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Bromoform	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Bromomethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Carbon tetrachloride	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Chlorobenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Chloroethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Chloroform	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Chloromethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
cis-1,2-Dichloroethene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
cis-1,3-Dichloropropene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Dibromochloromethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Dibromomethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Dichlorodifluoromethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Ethylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Hexachlorobutadiene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Isopropylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
m,p-Xylene	ND	500		µg/Kg	50	7/16/2008 10:09 PM
Methylene chloride	ND	250		µg/Kg	50	7/16/2008 10:09 PM
n-Butylbenzene	250	250		µg/Kg	50	7/16/2008 10:09 PM
n-Propylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Naphthalene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
o-Xylene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
sec-Butylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Styrene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
tert-Butylbenzene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Tetrachloroethene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Toluene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
trans-1,2-Dichloroethene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Trichloroethene	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Trichlorofluoromethane	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Vinyl chloride	ND	250		µg/Kg	50	7/16/2008 10:09 PM
Surr: 1,2-Dichloroethane-d4	109	70-130		%REC	50	7/16/2008 10:09 PM
Surr: 4-Bromofluorobenzene	130	70-130		%REC	50	7/16/2008 10:09 PM
Surr: Dibromofluoromethane	102	70-130		%REC	50	7/16/2008 10:09 PM
Surr: Toluene-d8	94.4	70-130		%REC	50	7/16/2008 10:09 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-008

Client Sample ID: SB-45-GW20
Collection Date: 7/10/2008 7:36:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC7_080716A	QC Batch: 47195			PrepDate: 7/15/2008		Analyst: **CBR**
DRO	ND	0.050		mg/L	1	7/16/2008 01:06 PM
Surr: p-Terphenyl	69.2	37-134		%REC	1	7/16/2008 01:06 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080715A	QC Batch: I08VW103			PrepDate:		Analyst: **TT**
GRO	0.64	0.050		mg/L	1	7/15/2008 01:17 PM
Surr: Bromofluorobenzene (FID)	104	76-127		%REC	1	7/15/2008 01:17 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS2_080714A	QC Batch: Q08VW164			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2-Dibromo-3-chloropropane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
2-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
4-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
4-Isopropyltoluene	0.56	0.50		µg/L	1	7/14/2008 03:11 PM
Benzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-008

Client Sample ID: SB-45-GW20
Collection Date: 7/10/2008 7:36:00 AM
Matrix: GROUND WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_080714A QC Batch: Q08VW164 PrepDate: Analyst: **TT**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Bromodichloromethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Bromoform	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Bromomethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Carbon tetrachloride	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Chlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Chloroethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Chloroform	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Chloromethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Dibromochloromethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Dibromomethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Ethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Isopropylbenzene	0.74	0.50		µg/L	1	7/14/2008 03:11 PM
m,p-Xylene	ND	1.0		µg/L	1	7/14/2008 03:11 PM
Methylene chloride	ND	1.0		µg/L	1	7/14/2008 03:11 PM
n-Butylbenzene	0.52	0.50		µg/L	1	7/14/2008 03:11 PM
n-Propylbenzene	0.51	0.50		µg/L	1	7/14/2008 03:11 PM
Naphthalene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
o-Xylene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
sec-Butylbenzene	0.82	0.50		µg/L	1	7/14/2008 03:11 PM
Styrene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
tert-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Tetrachloroethene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Toluene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Trichloroethene	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Vinyl chloride	ND	0.50		µg/L	1	7/14/2008 03:11 PM
Surr: 1,2-Dichloroethane-d4	83.3	70-130		%REC	1	7/14/2008 03:11 PM
Surr: 4-Bromofluorobenzene	93.9	70-130		%REC	1	7/14/2008 03:11 PM
Surr: Dibromofluoromethane	87.7	70-130		%REC	1	7/14/2008 03:11 PM
Surr: Toluene-d8	99.4	70-130		%REC	1	7/14/2008 03:11 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-009

Client Sample ID: SB-45-GW45
Collection Date: 7/10/2008 10:40:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC7_080716A	QC Batch: 47195			PrepDate: 7/15/2008		Analyst: **CBR**
DRO	0.050	0.050		mg/L	1	7/16/2008 01:32 PM
Surr: p-Terphenyl	65.5	37-134		%REC	1	7/16/2008 01:32 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080714A	QC Batch: I08VW102			PrepDate:		Analyst: **TT**
GRO	0.90	0.050		mg/L	1	7/14/2008 05:08 PM
Surr: Bromofluorobenzene (FID)	84.8	76-127		%REC	1	7/14/2008 05:08 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS2_080714A	QC Batch: Q08VW164			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2-Dibromo-3-chloropropane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
2-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
4-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Benzene	0.57	0.50		µg/L	1	7/14/2008 03:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-009

Client Sample ID: SB-45-GW45
Collection Date: 7/10/2008 10:40:00 AM
Matrix: GROUND WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_080714A QC Batch: Q08VW164 PrepDate: Analyst: **TT**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Bromodichloromethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Bromoform	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Bromomethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Carbon tetrachloride	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Chlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Chloroethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Chloroform	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Chloromethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Dibromochloromethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Dibromomethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Ethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Isopropylbenzene	1.1	0.50		µg/L	1	7/14/2008 03:33 PM
m,p-Xylene	ND	1.0		µg/L	1	7/14/2008 03:33 PM
Methylene chloride	ND	1.0		µg/L	1	7/14/2008 03:33 PM
n-Butylbenzene	0.62	0.50		µg/L	1	7/14/2008 03:33 PM
n-Propylbenzene	0.60	0.50		µg/L	1	7/14/2008 03:33 PM
Naphthalene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
o-Xylene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
sec-Butylbenzene	1.0	0.50		µg/L	1	7/14/2008 03:33 PM
Styrene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
tert-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Tetrachloroethene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Toluene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Trichloroethene	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Vinyl chloride	ND	0.50		µg/L	1	7/14/2008 03:33 PM
Surr: 1,2-Dichloroethane-d4	74.0	70-130		%REC	1	7/14/2008 03:33 PM
Surr: 4-Bromofluorobenzene	100	70-130		%REC	1	7/14/2008 03:33 PM
Surr: Dibromofluoromethane	80.1	70-130		%REC	1	7/14/2008 03:33 PM
Surr: Toluene-d8	98.8	70-130		%REC	1	7/14/2008 03:33 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference
- Results are wet unless otherwise specified
- DO Surrogate Diluted Out

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-010

Client Sample ID: SB-46-GW48
Collection Date: 7/10/2008 2:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C				**EPA 8015B**		
RunID: GC7_080716A	QC Batch: 47195			PrepDate: 7/15/2008		Analyst: **CBR**
DRO	ND	0.050		mg/L	1	7/16/2008 01:59 PM
Surr: p-Terphenyl	67.5	37-134		%REC	1	7/16/2008 01:59 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_080714A	QC Batch: I08VW102			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	7/14/2008 05:39 PM
Surr: Bromofluorobenzene (FID)	89.0	76-127		%REC	1	7/14/2008 05:39 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS2_080714A	QC Batch: Q08VW164			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2-Dibromo-3-chloropropane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
2-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
4-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Benzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-010

Client Sample ID: SB-46-GW48
Collection Date: 7/10/2008 2:00:00 PM
Matrix: GROUND WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_080714A QC Batch: Q08VW164 PrepDate: Analyst: **TT**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Bromodichloromethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Bromoform	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Bromomethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Carbon tetrachloride	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Chlorobenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Chloroethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Chloroform	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Chloromethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Dibromochloromethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Dibromomethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Ethylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Isopropylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
m,p-Xylene	ND	1.0		µg/L	1	7/14/2008 03:53 PM
Methylene chloride	ND	1.0		µg/L	1	7/14/2008 03:53 PM
n-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
n-Propylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Naphthalene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
o-Xylene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
sec-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Styrene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
tert-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Tetrachloroethene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Toluene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Trichloroethene	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Vinyl chloride	ND	0.50		µg/L	1	7/14/2008 03:53 PM
Surr: 1,2-Dichloroethane-d4	80.8	70-130		%REC	1	7/14/2008 03:53 PM
Surr: 4-Bromofluorobenzene	99.0	70-130		%REC	1	7/14/2008 03:53 PM
Surr: Dibromofluoromethane	90.0	70-130		%REC	1	7/14/2008 03:53 PM
Surr: Toluene-d8	101	70-130		%REC	1	7/14/2008 03:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-011

Client Sample ID: Trip Blank
Collection Date: 7/10/2008
Matrix: WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_080714A QC Batch: Q08VW164 PrepDate: Analyst: **TT**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2-Dibromo-3-chloropropane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
2-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
4-Chlorotoluene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Benzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Bromobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Bromodichloromethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Bromoform	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Bromomethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Carbon tetrachloride	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Chlorobenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Chloroethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Chloroform	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Chloromethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	7/14/2008 02:25 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: The Source Group Inc.
Lab Order: 099862
Project: AB&I Foundry, 01-ABI.001
Lab ID: 099862-011

Client Sample ID: Trip Blank
Collection Date: 7/10/2008
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
		EPA 8260B				
RunID: MS2_080714A	QC Batch: Q08VW164			PrepDate:		Analyst: **TT**
Dibromochloromethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Dibromomethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Ethylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Isopropylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
m,p-Xylene	ND	1.0		µg/L	1	7/14/2008 02:25 PM
Methylene chloride	ND	1.0		µg/L	1	7/14/2008 02:25 PM
n-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
n-Propylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Naphthalene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
o-Xylene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
sec-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Styrene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
tert-Butylbenzene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Tetrachloroethene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Toluene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Trichloroethene	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Vinyl chloride	ND	0.50		µg/L	1	7/14/2008 02:25 PM
Surr: 1,2-Dichloroethane-d4	84.3	70-130		%REC	1	7/14/2008 02:25 PM
Surr: 4-Bromofluorobenzene	98.0	70-130		%REC	1	7/14/2008 02:25 PM
Surr: Dibromofluoromethane	89.7	70-130		%REC	1	7/14/2008 02:25 PM
Surr: Toluene-d8	100	70-130		%REC	1	7/14/2008 02:25 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LLSGT

Sample ID: **LCS-47188**	SampType: **LCS**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **7/14/2008**	RunNo: **97067**
Client ID: **LCSS**	Batch ID: **47188**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/15/2008**	SeqNo: **1500905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	22.508	1.0	33.00	0	68.2	27	105				
Surr: p-Terphenyl	1.948		2.670		72.9	26	127				

Sample ID: **MB-47188**	SampType: **MBLK**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **7/14/2008**	RunNo: **97067**
Client ID: **PBS**	Batch ID: **47188**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/15/2008**	SeqNo: **1500906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
Surr: p-Terphenyl	1.571		2.670		58.8	26	127				

Sample ID: **099753-002AMS**	SampType: **MS**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **7/14/2008**	RunNo: **97067**
Client ID: **ZZZZZZ**	Batch ID: **47188**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/15/2008**	SeqNo: **1500907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	25.407	1.0	33.00	0	77.0	14	102				
Surr: p-Terphenyl	1.870		2.670		70.0	26	127				

Sample ID: **099753-002AMSD**	SampType: **MSD**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **7/14/2008**	RunNo: **97067**
Client ID: **ZZZZZZ**	Batch ID: **47188**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/15/2008**	SeqNo: **1500908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	25.369	1.0	33.00	0	76.9	14	102	25.41	0.148	20	
Surr: p-Terphenyl	1.854		2.670		69.5	26	127		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E080714MB1**	SampType: **MBLK**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **97057**
Client ID: **PBS**	Batch ID: **E08VS209**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1500755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	94.889		100.0		94.9	42	142				

Sample ID: **099862-004AMS**	SampType: **MS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **97057**
Client ID: **SB-42-40**	Batch ID: **E08VS209**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1500757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.963	1.0	5.000	0	79.3	33	120				
Surr: Bromofluorobenzene (FID)	101.699		100.0		102	42	142				

Sample ID: **099862-004AMSD**	SampType: **MSD**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **97057**
Client ID: **SB-42-40**	Batch ID: **E08VS209**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1500758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.947	1.0	5.000	0	78.9	33	120	3.963	0.405	20	
Surr: Bromofluorobenzene (FID)	100.412		100.0		100	42	142		0	20	

Sample ID: **E080714LCS1**	SampType: **LCS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **97057**
Client ID: **LCSS**	Batch ID: **E08VS209**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1500762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.834	1.0	5.000	0	96.7	74	108				
Surr: Bromofluorobenzene (FID)	107.201		100.0		107	42	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL_LLSGT

Sample ID: **MB-47195**	SampType: **MBLK**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **7/15/2008**	RunNo: **97145**
Client ID: **PBW**	Batch ID: **47195**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **7/16/2008**	SeqNo: **1502121**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
Surr: p-Terphenyl	0.059		0.08000		74.3	37	134				

Sample ID: **LCS-47195**	SampType: **LCS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **7/15/2008**	RunNo: **97145**
Client ID: **LCSW**	Batch ID: **47195**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **7/16/2008**	SeqNo: **1502122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.777	0.050	1.000	0	77.7	43	105				
Surr: p-Terphenyl	0.062		0.08000		77.5	37	134				

Sample ID: **MB-47195MS**	SampType: **MS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **7/15/2008**	RunNo: **97145**
Client ID: **ZZZZZZ**	Batch ID: **47195**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **7/16/2008**	SeqNo: **1502123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.784	0.050	1.000	0	78.4	43	105				
Surr: p-Terphenyl	0.053		0.08000		66.4	37	134				

Sample ID: **MB-47195MSD**	SampType: **MSD**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **7/15/2008**	RunNo: **97145**
Client ID: **ZZZZZZ**	Batch ID: **47195**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **7/16/2008**	SeqNo: **1502124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.837	0.050	1.000	0	83.7	43	105	0.7837	6.56	20	
Surr: p-Terphenyl	0.060		0.08000		74.5	37	134		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **I080711LCS2**	SampType: **LCS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96980**
Client ID: **LCSW**	Batch ID: **I08VW101**	TestNo: **EPA 8015B(M**		Analysis Date: **7/11/2008**	SeqNo: **1499358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.924	0.050	1.000	0	92.4	77	122				
Surr: Bromofluorobenzene (FID)	98.601		100.0		98.6	76	127				

Sample ID: **I080711MB1MS**	SampType: **MS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96980**
Client ID: **ZZZZZZ**	Batch ID: **I08VW101**	TestNo: **EPA 8015B(M**		Analysis Date: **7/11/2008**	SeqNo: **1499359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.925	0.050	1.000	0	92.5	77	122				
Surr: Bromofluorobenzene (FID)	97.503		100.0		97.5	76	127				

Sample ID: **I080711MB1MSD**	SampType: **MSD**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96980**
Client ID: **ZZZZZZ**	Batch ID: **I08VW101**	TestNo: **EPA 8015B(M**		Analysis Date: **7/11/2008**	SeqNo: **1499360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.941	0.050	1.000	0	94.1	77	122	0.9250	1.71	20	
Surr: Bromofluorobenzene (FID)	98.649		100.0		98.6	76	127		0	0	

Sample ID: **I080711MB1**	SampType: **MBLK**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **96980**
Client ID: **PBW**	Batch ID: **I08VW101**	TestNo: **EPA 8015B(M**		Analysis Date: **7/11/2008**	SeqNo: **1499361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	94.572		100.0		94.6	76	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **I080714LCS2**	SampType: **LCS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97083**
Client ID: **LCSW**	Batch ID: **I08VW102**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1501167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.891	0.050	1.000	0	89.1	77	122				
Surr: Bromofluorobenzene (FID)	95.592		100.0		95.6	76	127				

Sample ID: **I080714MB1MS**	SampType: **MS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97083**
Client ID: **ZZZZZZ**	Batch ID: **I08VW102**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1501168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.906	0.050	1.000	0	90.6	77	122				
Surr: Bromofluorobenzene (FID)	97.170		100.0		97.2	76	127				

Sample ID: **I080714MB1MSD**	SampType: **MSD**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97083**
Client ID: **ZZZZZZ**	Batch ID: **I08VW102**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1501169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.926	0.050	1.000	0	92.6	77	122	0.9060	2.18	20	
Surr: Bromofluorobenzene (FID)	95.134		100.0		95.1	76	127		0	0	

Sample ID: **I080714MB1**	SampType: **MBLK**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97083**
Client ID: **PBW**	Batch ID: **I08VW102**	TestNo: **EPA 8015B(M**		Analysis Date: **7/14/2008**	SeqNo: **1501170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	86.489		100.0		86.5	76	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **I080715LCS2**	SampType: **LCS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97143**
Client ID: **LCSW**	Batch ID: **I08VW103**	TestNo: **EPA 8015B(M**		Analysis Date: **7/15/2008**	SeqNo: **1502071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.946	0.050	1.000	0	94.6	77	122				
Surr: Bromofluorobenzene (FID)	97.674		100.0		97.7	76	127				

Sample ID: **I080715MB1MS**	SampType: **MS**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97143**
Client ID: **ZZZZZZ**	Batch ID: **I08VW103**	TestNo: **EPA 8015B(M**		Analysis Date: **7/15/2008**	SeqNo: **1502072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.930	0.050	1.000	0	93.0	77	122				
Surr: Bromofluorobenzene (FID)	95.546		100.0		95.5	76	127				

Sample ID: **I080715MB1MSD**	SampType: **MSD**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97143**
Client ID: **ZZZZZZ**	Batch ID: **I08VW103**	TestNo: **EPA 8015B(M**		Analysis Date: **7/15/2008**	SeqNo: **1502073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.891	0.050	1.000	0	89.1	77	122	0.9300	4.28	20	
Surr: Bromofluorobenzene (FID)	98.020		100.0		98.0	76	127		0	0	

Sample ID: **I080715MB2**	SampType: **MBLK**	TestCode: **8015_W_GP**	Units: **mg/L**	Prep Date:	RunNo: **97143**
Client ID: **PBW**	Batch ID: **I08VW103**	TestNo: **EPA 8015B(M**		Analysis Date: **7/15/2008**	SeqNo: **1502074**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	94.730		100.0		94.7	76	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T080716LC2** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **LCSS** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.490	5.0	50.00	0	105	70	130				
Benzene	46.630	5.0	50.00	0	93.3	70	130				
Chlorobenzene	48.780	5.0	50.00	0	97.6	70	130				
MTBE	52.140	5.0	50.00	0	104	70	130				
Toluene	43.780	5.0	50.00	0	87.6	70	130				
Trichloroethene	48.420	5.0	50.00	0	96.8	70	130				
Surr: 1,2-Dichloroethane-d4	53.240		50.00		106	70	130				
Surr: 4-Bromofluorobenzene	44.540		50.00		89.1	70	130				
Surr: Dibromofluoromethane	46.500		50.00		93.0	70	130				
Surr: Toluene-d8	39.200		50.00		78.4	70	130				

Sample ID: **T080716MB4MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **ZZZZZZ** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	54.260	5.0	50.00	0	109	70	130				
Benzene	49.060	5.0	50.00	0	98.1	70	130				
Chlorobenzene	50.450	5.0	50.00	0	101	70	130				
Toluene	45.630	5.0	50.00	0	91.3	70	130				
Trichloroethene	51.200	5.0	50.00	0	102	70	130				
Surr: 1,2-Dichloroethane-d4	56.430		50.00		113	70	130				
Surr: 4-Bromofluorobenzene	46.440		50.00		92.9	70	130				
Surr: Dibromofluoromethane	50.130		50.00		100	70	130				
Surr: Toluene-d8	41.380		50.00		82.8	70	130				

Sample ID: **T080716MB4MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **ZZZZZZ** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.560	5.0	50.00	0	107	70	130	54.26	1.30	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T080716MB4MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **ZZZZZZ** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.480	5.0	50.00	0	93.0	70	130	49.06	5.40	20	
Chlorobenzene	49.080	5.0	50.00	0	98.2	70	130	50.45	2.75	20	
Toluene	42.760	5.0	50.00	0	85.5	70	130	45.63	6.49	20	
Trichloroethene	46.500	5.0	50.00	0	93.0	70	130	51.20	9.62	20	
Surr: 1,2-Dichloroethane-d4	55.660		50.00		111	70	130		0	20	
Surr: 4-Bromofluorobenzene	44.930		50.00		89.9	70	130		0	20	
Surr: Dibromofluoromethane	48.320		50.00		96.6	70	130		0	20	
Surr: Toluene-d8	39.560		50.00		79.1	70	130		0	20	

Sample ID: **T080716MB4** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **PBS** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T080716MB4** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **PBS** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T080716MB4** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **97211**
Client ID: **PBS** Batch ID: **T08VS141** TestNo: **EPA 8260B** Analysis Date: **7/16/2008** SeqNo: **1503127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.520		50.00		99.0	70	130				
Surr: 4-Bromofluorobenzene	42.060		50.00		84.1	70	130				
Surr: Dibromofluoromethane	44.700		50.00		89.4	70	130				
Surr: Toluene-d8	40.420		50.00		80.8	70	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A080715LCS1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **LCSW** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.100	0.50	20.00	0	101	70	130				
Benzene	18.730	0.50	20.00	0	93.6	70	130				
Chlorobenzene	18.110	0.50	20.00	0	90.6	70	130				
MTBE	19.820	0.50	20.00	0	99.1	70	130				
Toluene	18.670	0.50	20.00	0	93.4	70	130				
Trichloroethene	17.460	0.50	20.00	0	87.3	70	130				
Surr: 1,2-Dichloroethane-d4	27.610		25.00		110	70	130				
Surr: 4-Bromofluorobenzene	24.860		25.00		99.4	70	130				
Surr: Dibromofluoromethane	27.820		25.00		111	70	130				
Surr: Toluene-d8	27.700		25.00		111	70	130				

Sample ID: **A080715MB3MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **ZZZZZZ** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.430	0.50	20.00	0	97.2	70	130				
Benzene	17.550	0.50	20.00	0	87.8	70	130				
Chlorobenzene	17.320	0.50	20.00	0	86.6	70	130				
Toluene	17.770	0.50	20.00	0	88.8	70	130				
Trichloroethene	17.050	0.50	20.00	0	85.2	70	130				
Surr: 1,2-Dichloroethane-d4	27.860		25.00		111	70	130				
Surr: 4-Bromofluorobenzene	25.630		25.00		103	70	130				
Surr: Dibromofluoromethane	28.910		25.00		116	70	130				
Surr: Toluene-d8	28.290		25.00		113	70	130				

Sample ID: **A080715MB3MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **ZZZZZZ** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.310	0.50	20.00	0	112	70	130	19.43	13.8	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A080715MB3MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **ZZZZZZ** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.820	0.50	20.00	0	99.1	70	130	17.55	12.1	20	
Chlorobenzene	19.440	0.50	20.00	0	97.2	70	130	17.32	11.5	20	
Toluene	20.020	0.50	20.00	0	100	70	130	17.77	11.9	20	
Trichloroethene	18.760	0.50	20.00	0	93.8	70	130	17.05	9.55	20	
Surr: 1,2-Dichloroethane-d4	28.430		25.00		114	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.780		25.00		99.1	70	130		0	20	
Surr: Dibromofluoromethane	28.060		25.00		112	70	130		0	20	
Surr: Toluene-d8	27.770		25.00		111	70	130		0	20	

Sample ID: **A080715MB3** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **PBW** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A080715MB3** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **PBW** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A080715MB3** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97080**
Client ID: **PBW** Batch ID: **A08VW167** TestNo: **EPA 8260B** Analysis Date: **7/15/2008** SeqNo: **1501394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	28.830		25.00		115	70	130				
Surr: 4-Bromofluorobenzene	25.790		25.00		103	70	130				
Surr: Dibromofluoromethane	28.530		25.00		114	70	130				
Surr: Toluene-d8	29.110		25.00		116	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **Q080714LCS1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **LCSW** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.310	0.50	20.00	0	112	70	130				
Benzene	43.880	0.50	40.00	0	110	70	130				
Chlorobenzene	21.830	0.50	20.00	0	109	70	130				
MTBE	25.520	0.50	20.00	0	128	70	130				
Toluene	44.200	0.50	40.00	0	110	70	130				
Trichloroethene	22.010	0.50	20.00	0	110	70	130				
Surr: 1,2-Dichloroethane-d4	24.720		25.00		98.9	70	130				
Surr: 4-Bromofluorobenzene	22.850		25.00		91.4	70	130				
Surr: Dibromofluoromethane	24.110		25.00		96.4	70	130				
Surr: Toluene-d8	24.350		25.00		97.4	70	130				

Sample ID: **Q080714MB1MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **ZZZZZZ** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24.130	0.50	20.00	0	121	70	130				
Benzene	43.330	0.50	40.00	0	108	70	130				
Chlorobenzene	22.290	0.50	20.00	0	111	70	130				
Toluene	44.880	0.50	40.00	0	112	70	130				
Trichloroethene	22.970	0.50	20.00	0	115	70	130				
Surr: 1,2-Dichloroethane-d4	23.780		25.00		95.1	70	130				
Surr: 4-Bromofluorobenzene	23.540		25.00		94.2	70	130				
Surr: Dibromofluoromethane	25.430		25.00		102	70	130				
Surr: Toluene-d8	25.460		25.00		102	70	130				

Sample ID: **Q080714MB1MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **ZZZZZZ** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500180**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23.640	0.50	20.00	0	118	70	130	24.13	2.05	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **Q080714MB1MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **ZZZZZZ** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500180**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.350	0.50	40.00	0	106	70	130	43.33	2.29	20	
Chlorobenzene	22.120	0.50	20.00	0	111	70	130	22.29	0.766	20	
Toluene	44.000	0.50	40.00	0	110	70	130	44.88	1.98	20	
Trichloroethene	22.500	0.50	20.00	0	112	70	130	22.97	2.07	20	
Surr: 1,2-Dichloroethane-d4	24.100		25.00		96.4	70	130		0	20	
Surr: 4-Bromofluorobenzene	23.860		25.00		95.4	70	130		0	20	
Surr: Dibromofluoromethane	25.010		25.00		100	70	130		0	20	
Surr: Toluene-d8	25.540		25.00		102	70	130		0	20	

Sample ID: **Q080714MB1** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **PBW** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500181**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **Q080714MB1** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **PBW** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500181**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: The Source Group Inc.
Work Order: 099862
Project: AB&I Foundry, 01-ABI.001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **Q080714MB1** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **97034**
Client ID: **PBW** Batch ID: **Q08VW164** TestNo: **EPA 8260B** Analysis Date: **7/14/2008** SeqNo: **1500181**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	20.950		25.00		83.8	70	130				
Surr: 4-Bromofluorobenzene	23.810		25.00		95.2	70	130				
Surr: Dibromofluoromethane	22.200		25.00		88.8	70	130				
Surr: Toluene-d8	25.270		25.00		101	70	130				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 7/11/08

Method of Transport: Client ☐ ATL ☐ CA OverN ☑ FEDEX ☐ Other: _____

Sample Condition Upon Receipt: 3.2°C
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: The Source Group, Inc.	Address: 3451-C Vincent Rd.		TEL: (925) 944-2856
Attn: Kent Reynolds	City Pleasant Hill	State CA Zip Code 94523	FAX: (925) 944-2859

Project Name: ABI Foundry Project #: 01-ABI.001 Sampler: (Printed Name) Nathan Citton (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Nathan Citton	Date: 7/11/08	Time: 1315	Received by: (Signature and Printed Name) Kent Reynolds	Date: 7/10/08	Time: 1315
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) [signature]	Date: 7/11/08	Time: 1745
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Nathan Citton 7/10/08 (Print Name / Date)
[signature] (Signature)

Send Report To:
Attn: Kent Reynolds
Co: The Source Group, Inc.
Address 3451-C Vincent Rd.
City Pleasant Hill State CA Zip 94523

Bill To:
Attn: _____
Co: SAME
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
0.5 ug/L reporting limit for water samples

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Silica Gel Cleanup	Hold	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	099862-001	SB-38-GW25	7/8	1107					X	X			X				X			E	6			
	2	SB-38-GW44	7/8	1230										X			X			E	6			
	3	SB-40-GW35	7/9	830					X	X			X				X			E	7			
	4	SB-42-40	7/9	1618												X				E	1	T	P	
	5	SB-45-5	7/10	645												X				E	1	T	P	
	6	SB-45-15	7/10	709												X				E	1	T	P	
	7	SB-45-20	7/10	720												X				E	1	T	P	
	8	SB-45-GW20	7/10	736													X			E	7			
	9	SB-45-GW45	7/10	1040													X			E	6			
	10	SB-46-GW48	7/10	1400													X			E	7			

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client:	Address:	TEL: ( )
Attn:	City State Zip Code	FAX: ( )

Project Name: Project #: Sampler: (Printed Name) Nathan Citra (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Nathan Citra	Date: 7/10/08	Time: 1315	Received by: (Signature and Printed Name) Kent Reynolds	Date: 7/10/08	Time: 1315
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) [signature]	Date: 7/11/08	Time: 7:45
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Nathan Citra 7/10/08
Print Name Date
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC / REMARKS
	899862-11	Trip Blank	7/10			X									X			E	2			

Circle or Add Analysis(es) Requested
SPECIFY APPROPRIATE MATRIX
Container(s)
PRESERVATION
QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Northern California Office and Corporate Headquarters
3451-C Vincent Road
Pleasant Hill, California 94523
Telephone: 925.944.2856
Facsimile: 925.944.2859
www.thesourcegroup.net

SGI environmental THE SOURCE GROUP, INC.

FACSIMILE COVER PAGE

Date: 7/14/08
Page: 1 of 2

To: Rachelle Facsimile No (925) 944-2859 (562) 969-4040

From: Nathan Email Address: nmirth@thesourcegroup.net

Subject: Revised Chains

☐ Urgent ☒ For Review ☐ Please Reply ☐ As Requested ☐ Other

Comments:

Rachelle,

I've attached the revised chain for the samples ~~[redacted]~~ you received on Friday for the ABI Foundry. The only revision is that we will be hitting sample SB-40-GW35.

Thanks,
Nathan

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ______
Logged By: ______ Date: ______

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: ______

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: The Source Group, Inc. Address: 3451-C Vincent Rd. TEL: (925) 944-2856
Attn: Kent Reynolds City: Pleasant Hill State: CA Zip Code: 94523 FAX: (925) 944-2859

Project Name: ABa J Foundry Project #: 01-ABT.001 Sampler: (Printed Name) Nathan Cohen (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Nathan Cohen Date: 7/11/08 Time: 1315 Received by: (Signature and Printed Name) [signature] Kent Reynolds Date: 7/11/08 Time: 1315
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Nathan Cohen 7/11/08
Print Name Date
[signature]
Signature

Send Report To:
Attn: Kent Reynolds
Co: The Source Group, Inc.
Address: 3451-C Vincent Rd.
City: Pleasant Hill State: CA Zip: 94523

Bill To:
Attn:
Co: [illegible]
Address:
City: State: Zip:

Special Instructions/Comments:
0.5 mg/L reporting limit for water samples

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
• Sample : $2.00 / sample / mo (after 45 days)
• Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; Specify Appropriate Matrix

Item	Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010/7000)	Silica Gel Cleanup	Soil	Water	Ground Water	Wastewater	TAT	#	Type	Preservation	Remarks
		SB-38-GW25	7/8	1107					X	X			X				X		E	7			
		SB-38-GW44	7/8	1230										X			X		E	4			
		SB-40-GW35	7/9	830						X			X	X (circled)			X		E	7			
		SB-42-40	7/9	1618											X				E	1	T	P	
		SB-45-5	7/10	645											X				F	1	T	P	
		SB-45-15	7/10	709											X				F	1	T	P	
		SB-45-20	7/10	720											X				F	1	T	P	
		SB-45-GW20	7/10	736													X		F	7			
		SB-45-GW45	7/10	1045													X		F	6			
		SB-46-GW48	7/10	1400													X		F	7			

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ______ OTHER ______

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

8 August 2008

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

SUBJECT: DATA REPORT - The Source Group, Inc. Project # 01-ABI.001
7825 San Leandro Street, Oakland, California

TEG Project # 80707D

Mr. Reynolds:

Please find enclosed a data report for the samples analyzed from the above referenced project for The Source Group. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 10 analyses on 10 soil vapor samples.

-- 10 analyses on soil vapors for selected volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

1,1 difluoroethane was used as a leak check compound around the probe rods during the soil vapor sampling. No 1,1 difluoroethane was detected in any of the vapor samples reported at or above the DTSC recommended leak check compound reporting limit of 10 ug/L of vapor.

TEG appreciates the opportunity to have provided analytical services to The Source Group on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

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The Source Group Project # 01-ABI.001
7825 San Leandro Street
Oakland, California

TEG Project #80707D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/cubic meter of Vapor

SAMPLE NUMBER:		Probe Blank	SG-11	SG-11	SG-11	SG-12	SG-12 dup
SAMPLE DEPTH (feet):			5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:			1	3	7	1	1
COLLECTION DATE:		7/07/08	7/07/08	7/07/08	7/07/08	7/07/08	7/07/08
COLLECTION TIME:		09:11	09:37	09:57	10:19	11:31	12:34
DILUTION FACTOR (VOCs):		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	50	nd	nd	nd	nd	2100	2900
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	150	160	160	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	190	190	190	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	90	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	230	nd	nd	270	320
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (1,2-DCA-d4)		101%	103%	102%	103%	105%	106%
Surrogate Recovery (Toluene-d8)		94%	95%	94%	95%	97%	98%
Surrogate Recovery (1,4-BFB)		89%	90%	89%	89%	90%	89%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Jon Edmondson

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The Source Group Project # 01-ABI.001
7825 San Leandro Street
Oakland, California

TEG Project #80707D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/cubic meter of Vapor

SAMPLE NUMBER:		SG-13A	SG-13B	SG-14	SG-16A	SG-16B
SAMPLE DEPTH (feet):		1.5	5.0	5.0	1.5	5.0
PURGE VOLUME:		1	1	1	1	1
COLLECTION DATE:		7/07/08	7/07/08	7/07/08	7/07/08	7/07/08
COLLECTION TIME:		11:53	13:04	12:12	13:50	14:45
DILUTION FACTOR (VOCs):		1	1	1	1	1
	RL					
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd
Vinyl Chloride	50	nd	nd	nd	nd	3700
Chloroethane	100	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd
1,2-Dichloroethane	90	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	170
Trichloroethene	100	nd	nd	nd	140	nd
Toluene	200	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	3200	580
Ethylbenzene	100	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	220	nd
o-Xylene	100	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd
Surrogate Recovery (1,2-DCA-d4)		106%	105%	104%	109%	103%
Surrogate Recovery (Toluene-d8)		94%	93%	96%	94%	105%
Surrogate Recovery (1,4-BFB)		90%	90%	89%	92%	90%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Jon Edmondson

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TEG Project #80707D

CALIBRATION STANDARDS - Initial Calibration / LCS

Instrument: Agilent 5973N MSD

COMPOUND	INITIAL CALIBRATION RF	INITIAL CALIBRATION %RSD	LCS RF	LCS %DIFF
Dichlorodifluoromethane*	0.292	10.1%	0.259	11.3%
Vinyl Chloride*	0.314	4.5%	0.296	5.7%
Chloroethane*	0.168	6.2%	0.173	3.0%
Trichlorofluoromethane	0.362	7.6%	0.354	2.2%
1,1-Dichloroethene	0.228	8.5%	0.230	0.9%
1,1,2-Trichloro-trifluoroethane*	0.244	16.6%	0.238	2.5%
Methylene Chloride	0.232	5.3%	0.236	1.7%
trans-1,2-Dichloroethene	0.252	7.4%	0.254	0.8%
1,1-Dichloroethane	0.373	3.4%	0.385	3.2%
cis-1,2-Dichloroethene	0.251	7.3%	0.265	5.6%
Chloroform	0.357	5.7%	0.371	3.9%
1,1,1-Trichloroethane	0.314	5.3%	0.336	7.0%
Carbon Tetrachloride	0.282	7.1%	0.294	4.3%
1,2-Dichloroethane	0.200	6.4%	0.215	7.5%
Benzene	0.951	15.2%	0.962	1.2%
Trichloroethene	0.240	6.3%	0.242	0.8%
Toluene	0.623	15.0%	0.644	3.4%
1,1,2-Trichloroethane	0.131	4.8%	0.142	8.4%
Tetrachloroethene	0.244	14.6%	0.239	2.0%
Ethylbenzene	0.516	11.5%	0.530	2.7%
1,1,1,2-Tetrachloroethane	0.279	4.5%	0.301	7.9%
m,p-Xylene	0.656	16.1%	0.651	0.8%
o-Xylene	0.585	14.9%	0.611	4.4%
1,1,2,2-Tetrachloroethane	0.454	7.8%	0.522	15.0%
Acceptable Limits		20.0%		15.0%

'*' Indicates RSD not to exceed 30% & LCS not to exceed 25%