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Alameda County  
Environmental Health

January 13, 2009

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 Quarterly Groundwater Monitoring and Sampling Report Third and Fourth Quarter 2008 AB&I Foundry, 7825 San Leandro Street, Oakland California 94621**

Dear Mr. Wickham:

AB&I respectfully submits the attached Quarterly Groundwater Monitoring and Sampling Report Third and Fourth Quarter 2008 for the AB&I Foundry Site located at 7825 San Leandro Street, I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

Dave Robinson  
Engineering Manager

Attachment: Quarterly Groundwater Monitoring and Sampling Report Third and Fourth Quarter 2008 AB&I Foundry, 7825 San Leandro Street, Oakland, California

**QUARTERLY GROUNDWATER MONITORING AND  
SAMPLING REPORT  
THIRD & FOURTH QUARTER 2008**

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

01-ABI-001

Prepared For:



7825 San Leandro Street  
Oakland, California


Prepared By:




3451-C Vincent Road  
Pleasant Hill, California 94523


January 13, 2009

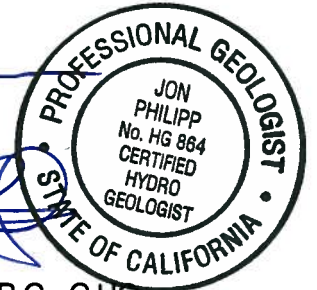
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Reviewed By:

  
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Senior Hydrogeologist, P.G., C.H.G.



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## EXECUTIVE SUMMARY

This Quarterly Groundwater Monitoring and Sampling Report for the Third and Fourth Quarter 2008 (Q3/08 and Q4/08, respectively) was prepared for the AB&I Foundry (AB&I), located in Oakland, California (the Site; Figures 1 and 2). Groundwater monitoring is conducted at the Site on a quarterly basis in accordance with The Source Group's (SGI) Workplan titled, "Revised Site Investigation Work Plan", dated September 17, 2007. Groundwater samples were analyzed for petroleum constituents including benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd) and volatile organic compounds (VOCs). Oxidation-reduction potential (ORP), pH, temperature, electrical conductivity, and dissolved oxygen (DO) were measured in the field.

Q3/08 and Q4/08 monitoring activities were conducted on October 2 and 3, 2008 and December 11 and 12, 2008, respectively. The groundwater elevation data collected during both gauging and sampling events indicated groundwater flow to the north/northwest at a hydraulic gradient of approximately 0.006 feet/foot.

Petroleum hydrocarbons and chlorinated VOCs were detected in groundwater at the Site. The following is a summary of the results:

- Benzene was detected in wells MW-8 and MW-9 during both sampling events. The highest concentration of benzene in samples collected at the Site was detected in well MW-9 for both sampling events. The highest concentration of benzene (170 micrograms per liter [ $\mu\text{g/L}$ ]) was detected during the Q3/08 sampling event. In addition, toluene, ethylbenzene, n-butylbenzene, sec-butylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, n-propylbenzene, naphthalene, and xylenes were detected in well MW-9 during at least one of the sampling events.
- TPHg was detected in samples collected from wells MW-2R, MW-3, MW-5, MW-8 and MW-9 at concentrations ranging from 54  $\mu\text{g/L}$  to 3,100  $\mu\text{g/L}$  during the Q3/08 sampling event. During the Q4/08 sampling event, TPHg was detected in wells MW-2R, MW-8, and MW-9 at concentrations ranging from 81  $\mu\text{g/L}$  to 2,300  $\mu\text{g/L}$ . However, the presence of TPHg reported in samples collected from wells MW-3, MW-5, and MW-8 is interpreted as to discrete peaks associated with chlorinated VOCs (also present in these samples).
- TPHd was detected in samples collected from wells MW-1, MW-6, MW-7, and MW-9 during the Q3/08 sampling event and in samples from wells MW-1, MW-2R, MW-5, MW-7, and MW-9 during the Q4/08 sampling event. The highest concentration of TPHd was detected in the sample collected from well MW-9 (200  $\mu\text{g/L}$ ) during the Q3/08 sampling event.

- Chlorinated VOCs were detected in samples collected from wells MW-3, MW-5, and MW-8 during both sampling events. Chlorinated VOCs detected included 1,1-DCA, 1,1-dichloroethene (1,1-DCE), 1,1,1-TCA, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride. In general, the sample collected from well MW-8 had the highest concentrations of chlorinated VOCs during both sampling events. 1,1-DCE and 1,1,1-TCA were detected at the highest concentrations during both events in the samples from well MW-8. In addition, 1,1-DCE was detected in the sample collected from well MW-9 at a concentration of 1.4 µg/L.
- Of the constituents detected, only vinyl chloride was reported at concentrations that exceeded its respective environmental screening level (ESL) for indoor air vapor intrusion concerns under the commercial land use scenario. Vinyl chloride exceeded its respective ESL for the samples collected from wells MW-3 and MW-8 during both sampling events. No other compounds were detected at concentrations that exceeded their respective ESLs (indoor air vapor intrusion-commercial land use scenario).

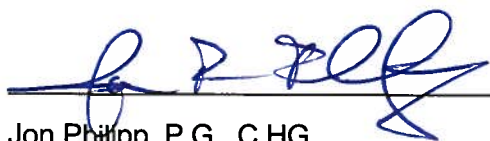
Nine wells were sampled as part of the Q3/08 and Q4/08 monitoring events. Generally, concentrations of TPHg, TPHd, BTEX, and chlorinated VOCs reported during both sampling event were consistent with those reported during the June 2008 sampling event with the exception of chlorinated VOC which have generally declined over the last three sampling events in well MW-8.

The presence of chloroethane, 1,1-DCA, 1,1-DCE, trans-1,2-DCE, cis-1,2-DCE, and vinyl chloride in wells located in the parking lot (MW-3, MW-5, and MW-8) provides evidence that reductive dechlorination is continuing to occur in groundwater underlying the Site. All parking lot wells are all located downgradient of the suspected source area for chlorinated VOCs, the former 8,000-gallon 1,1,1-TCA/Mineral Spirits UST.

Overall, it appears that concentrations of chlorinated VOCs and petroleum compounds in groundwater underlying the Site are generally stable. Based on the stability of detected compounds over the last two years, SGI recommends that monitoring activities at the Site be conducted on a semi-annual, rather than quarterly basis.

### 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.H.G.  
Senior Hydrogeologist  
**The Source Group, Inc.**

## 1.0 INTRODUCTION

On behalf of AB&I Foundry (AB&I), The Source Group, Inc. (SGI) has prepared this Quarterly Groundwater Monitoring and Sampling Report to document the Third and Fourth Quarter 2008 (Q3/08, Q4/08, respectively) sampling activities performed at the AB&I Foundry (the Site; Figure 1) located in Oakland, California.

### 1.1 Background

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

AB&I has been operating at its present location since at least 1930 (BSK Associates [BSK], 1993). Business activities include the manufacture of cast pipe and fittings. The facility accepts scrap iron and steel, which it stockpiles on-site, and uses during manufacturing activities. The Site encompasses an area of approximately 11.8 acres. The Site contains various warehouses, manufacturing and office buildings. The entire Site is covered with buildings and asphalt and concrete pavement. Seven underground storage tanks (USTs) were previously located on the Site. The USTs included one 8,000-gallon UST used for storing unleaded gasoline, one 8,000-gallon UST used for the storage of mineral spirits and later 1,1,1-trichloroethane (1,1,1-TCA), one 550-gallon UST used for storing regular leaded gasoline, one 10,000-gallon UST used for storing diesel, and three 10,000-gallon USTs used for storing gasoline. All UST have been removed from the Site. UST removal activities were initiated in 1982 and completed in the early 1990s.

Following the removal of the seven USTs, various investigations were conducted at the Site to characterize the presence and extent of contaminated soil and groundwater associated with the former USTs. In July 2006, a soil and groundwater assessment was conducted as part of a property transfer. According to BSK, groundwater samples were collected from each of the existing monitoring wells (MW-1, MW-3, and MW-4) and submitted for chemical analysis for polycyclic aromatic hydrocarbons (PAHs) using U.S. Environmental Protection Agency (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. All samples were also analyzed for volatile organic compounds (VOCs) including fuel oxygenates, using EPA Method



8260B. Well MW-2 was found to be damaged beyond repair, and therefore was not sampled. On August 13, 2006 monitoring well MW-2, was abandoned (BSK, 2007).

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

Results of the July/August 2006 sampling event indicated that five of the nine wells had concentrations of at least one compound that exceeded their respective EPA maximum contaminant level (MCL) or California Regional Water Quality Control Board – San Francisco Bay Region (CRWQCB-SF) Environmental Screening Levels (ESLs) for groundwater that is a current or potential source of drinking water (BSK, 2007).

In 2007 and 2008, SGI conducted soil and groundwater investigations on the Site. These investigations included the investigation of both shallow groundwater (less than 30 feet below ground surface [bgs]) and deep groundwater (greater than 30 feet bgs), and the collection of soil vapor samples. The results of these investigations indicated that shallow groundwater in the vicinity of the parking lot is impacted with chlorinated VOCs, including 1,1,1-TCA, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), chloroethane, cis and trans 1,2-dichloroethene (1,2-DCE), and vinyl chloride. Shallow groundwater in the vicinity of the warehouse is impacted with petroleum fuels (TPH) including BTEX, TPHg, and TPHd. Of the compounds detected, only vinyl chloride exceeded its respective ESL for vapor intrusion into indoor air under the commercial land use scenario. Results of the soil vapor analysis indicated that two of soil gas samples had ESL exceedences for indoor air vapor intrusion for vinyl chloride and PCE under the commercial land use scenario. Further details can be found in SGI's reports titled, "Site Investigation Report" and "Additional Site Investigation Report" (SGI 2008a; SGI 2008b).

Historical groundwater level and water quality data is presented in Appendix A.

## 1.2 Scope of Work

All groundwater monitoring activities were conducted in accordance with the sampling protocol outlined in SGI's document titled, "Revised Site Investigation Work Plan" dated September 17, 2007 (SGI 2007). Specific tasks conducted included:

- Inspecting and gauging water levels in all nine monitoring wells (MW-1, MW-2R, and MW-3 through MW-9);
- Sampling all nine monitoring wells;
- Laboratory analysis of the groundwater samples for VOCs, TPHg, and TPHd; and
- Field measurement of oxidation-reduction potential (ORP), dissolved oxygen (DO), pH, temperature, and electrical conductivity (EC).

## **2.0 GROUNDWATER MONITORING**

Q3/08 and Q4/08 monitoring activities were conducted on October 2 and 3, 2008 and on December 11 and 12, 2008, respectively. Monitoring activities included water level gauging and groundwater sampling.

### **2.1 Monitoring Well Inspection and Gauging**

Upon arrival at the Site, all nine wells (MW-1, MW-2R, and MW-3 through MW-9) 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. Well gauging data are provided in Tables 1 and 2.

### **2.2 Groundwater Sampling**

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, EC, 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 Monitoring Well Purging/Sampling Field Forms are included in Appendix B.

All nine wells were sampled during the Q3/08 and Q4/08 sampling events. 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 Advanced Technology Laboratories, Signal Hill, California (ATL), for analysis of VOCs using EPA Method 8260B and TPHg and TPHd using EPA Method 8015M. A field duplicate sample was collected from MW-8. An equipment blank and trip blank, analyzed for VOCs as a quality control measure, were also submitted to ATL. A copy of the laboratory analytical report is included as Appendix C.

### **2.3 Decontamination and Disposal Procedures**

All non-dedicated or non-disposable sampling equipment was decontaminated using a triple-rinse method consisting of successive rinses of Alconox soap and de-ionized water. Rinsate and purge water were staged on-site in properly labeled Department of Transportation approved 55-gallon drums pending waste characterization and appropriate disposal.

## 3.0 RESULTS

### 3.1 Groundwater Flow

Groundwater elevation measurements were calculated by measuring the depth to water in the wells relative to the top of the well casing then subtracting the depth to water from the elevation of the well. Groundwater elevations in wells during the Q3/08 sampling event ranged from -0.32 feet above mean sea level (msl) in well MW-6 to 1.61 feet above msl in well MW-7 (Table 1). Groundwater elevations in wells during the Q4/08 sampling event ranged from 0.37 feet above msl to 1.77 feet above msl in well MW-9 (Table 2). Potentiometric surface maps generated for Q3/08 and Q4/08 data is presented as Figures 3 and 4, respectively. As shown in both figures, estimated groundwater flow direction during the last two quarters was generally to the north/northwest at a hydraulic gradient of approximately 0.006 feet/foot. The groundwater flow direction and gradient are generally consistent with past monitoring events. On average, groundwater elevations in all wells have dropped by a foot or more relative to the monitoring event conducted in June 2008. Groundwater monitoring well gauging summary field forms are included in Appendix B.

### 3.2 Groundwater Analytical Results

Nine wells were sampled as part of the Q3/08 and Q4/08 sampling events. A map showing the distribution of petroleum hydrocarbons and related chemicals and chlorinated VOCs in groundwater samples collected from the Site wells during the Q3/08 and Q4/08 sampling event is provided in Figures 5, 6 and 7, and 8, respectively. A summary of current concentrations of constituents for the groundwater monitoring well network is provided in Tables 3 and 4. A summary of historical concentrations is included as appendix A. Detected concentrations are summarized briefly below:

- Benzene was detected in wells MW-8 and MW-9 during both sampling events. The highest concentration of benzene in samples collected at the site was detected in well MW-9 for both sampling events. The highest concentration of benzene (170 micrograms per liter [ $\mu\text{g/L}$ ]) was detected during the Q3/08 sampling event. In addition, toluene, ethylbenzene, n-butylbenzene, sec-butylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, n-propylbenzene, naphthalene, and xylenes were detected in well MW-9 during at least one of the sampling events.
- TPHg was detected in samples collected from wells MW-2R, MW-3, MW-5, MW-8 and MW-9 at concentrations ranging from 54  $\mu\text{g/L}$  to 3,100  $\mu\text{g/L}$  during the Q3/08 sampling event. During the Q4/08 sampling event, TPHg was detected in wells MW-2R, MW-8, and MW-9 at concentrations ranging from 81  $\mu\text{g/L}$  to 2,300  $\mu\text{g/L}$ . However, the presence of TPHg reported in samples

collected from wells MW-3, MW-5, and MW-8 is interpreted to be attributed to discrete peaks associated with chlorinated VOCs (also present in these samples).

- TPHd was detected in samples collected from wells MW-1, MW-6, MW-7, and MW-9 during the Q3/08 sampling event and in samples from wells MW-1, MW-2R, MW-5, MW-7, and MW-9 during the Q4/08 sampling event. The highest concentration of TPHd was detected in the sample collected from well MW-9 (200 µg/L) during the Q3/08 sampling event.
- Chlorinated VOCs were detected in samples collected from wells MW-3, MW-5, MW-8, and MW-9 during both sampling events. Chlorinated VOCs detected included 1,1-DCA, 1,1-dichloroethene (1,1-DCE), 1,1,1-TCA, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride. In general, the sample collected from well MW-8 had the highest concentrations of chlorinated VOCs during both sampling events. 1,1-DCE and 1,1,1-TCA were detected at the highest concentrations during both sampling events in the sample from well MW-8. In addition, 1,1-DCE was detected in the sample collected from well MW-9 at a concentration of 1.4 µg/L.
- Of the constituents detected, only vinyl chloride was reported at concentrations that exceeded its respective ESL for indoor air vapor intrusion concerns under the commercial land use scenario. Vinyl chloride exceeded its respective ESL for the samples collected from wells MW-3 and MW-8 during both sampling events. No other compounds were detected at concentrations that exceeded their respective ESLs for indoor air vapor intrusion concerns under the commercial land use scenario.

Copies of the laboratory reports are provided in Appendix C.

### 3.2.1 Water Quality

Wells MW-8 and MW-9 continue to contain the highest concentrations of chlorinated VOCs and TPH, respectively. The results from Q3/08 and Q4/08 sampling events are generally within historic ranges with the exception of chlorinated VOCs and benzene concentrations in well MW-8 (Appendix A). Concentrations of 1,1-DCA have decreased from 1,400 µg/L reported during the June 2008 sampling event to 1,100 µg/L and 1,300 reported during the Q3/08 and Q4/08 sampling events, respectively. Concentrations of 1,1-DCE have decreased from 3,200 reported during the June 2008 sampling event to 1,900 µg/L and 2,000 µg/L reported during the Q3/08 and Q4/08 sampling events, respectively. Concentrations of 1,1,1-TCA have decreased from 2,700 µg/L reported during the June 2008 sampling event to 1,700 µg/L and 2,000 µg/L reported during the Q3/08 and Q4/08 sampling events, respectively. Concentrations of vinyl chloride have decreased from 19 µg/L reported during the June 2008 sampling event to 16 µg/L and 15 µg/L reported during the Q3/08 and Q4/08 sampling event, respectively. In addition, benzene was detected in well MW-8 at a concentration of 2.8 µg/L during the October 2008 sampling event and at 3 µg/L during the December 2008 sampling event; the first time it's been detected

above laboratory reporting limits. In the sample collected from well MW-9, 1,1-DCE was detected at a concentration of 1.4 µg/L during the Q4/08 sampling event.

### **3.2.2 Quality Assurance/Quality Control**

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

#### 4.0 SUMMARY AND CONCLUSIONS

Nine wells were sampled as part of the Q3/08 and Q4/08 monitoring events. Generally, concentrations of TPHg, TPHd, BTEX, and chlorinated VOCs reported during both sampling events were consistent with those reported during the June 2008 sampling event with the exception of chlorinated VOCs which have generally declined over the last three sampling events in well MW-8.

The presence of chloroethane, 1,1-DCA, 1,1-DCE, trans-1,2-DCE, cis-1,2-DCE, and vinyl chloride in wells located in the parking lot provides evidence that reductive dechlorination is continuing to occur in groundwater underlying the Site. All parking lot wells are all located downgradient of the suspected source area for chlorinated VOCs, the former 8,000-gallon 1,1,1-TCA/Mineral Spirits UST.

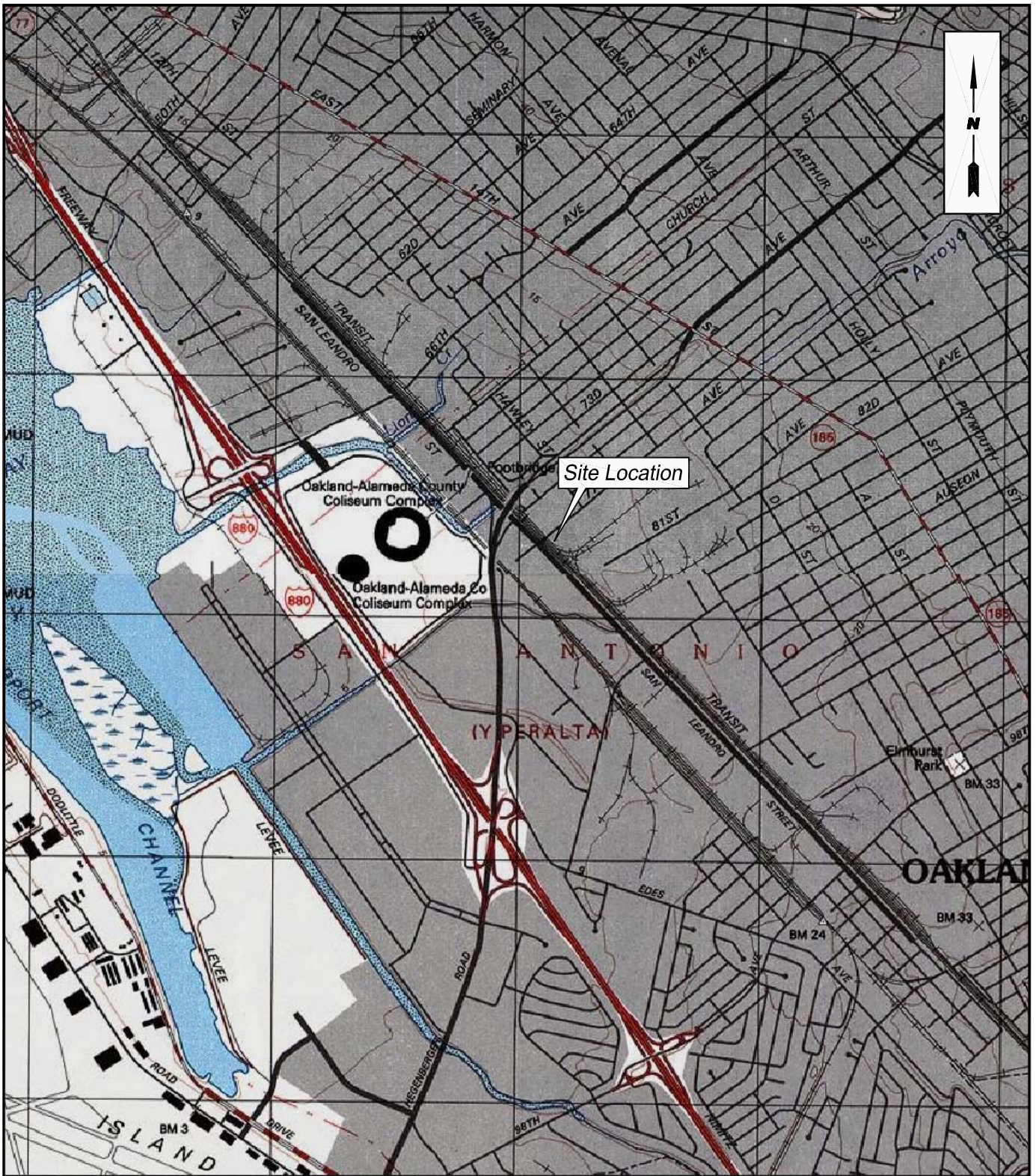
Overall, it appears that concentrations of chlorinated VOCs and petroleum compounds in groundwater underlying the Site are generally stable. Based on the stability of detected compounds over the last two years, SGI recommends that monitoring activities at the Site be conducted on a semi-annual, rather than quarterly basis.

## 5.0 REFERENCES

- BSK Associates, Inc. (BSK). 1993. "Report Shallow Soil and Groundwater Investigation American Brass & Iron Foundry", April 30.
- BSK Associates, Inc. (BSK). 2007. "Preliminary Groundwater Investigation Report AB&I Foundry", June 11.
- California Regional Water Quality Control Board (CRWQCB). 2007. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Interim Final. November.
- The Source Group, Inc. (SGI 2007). "Revised Site Investigation Work Plan", AB&I Foundry, 7825 San Leandro Street, Oakland, California, September 17.
- The Source Group, Inc. (SGI 2008a). "Site Investigation Report", AB&I Foundry, 7825 San Leandro Street, Oakland, California, February 14.
- The Source Group, Inc. (SGI 2008b). "Additional Site Investigation Report", AB&I Foundry, 7825 San Leandro Street, Oakland, California, September 25.



## FIGURES



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

3451-C VINCENT ROAD  
 PLEASANT HILL, CA 94523

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

SCALE:



## SITE LOCATION MAP

CLIENT:

AB&I FOUNDRY

DATE:

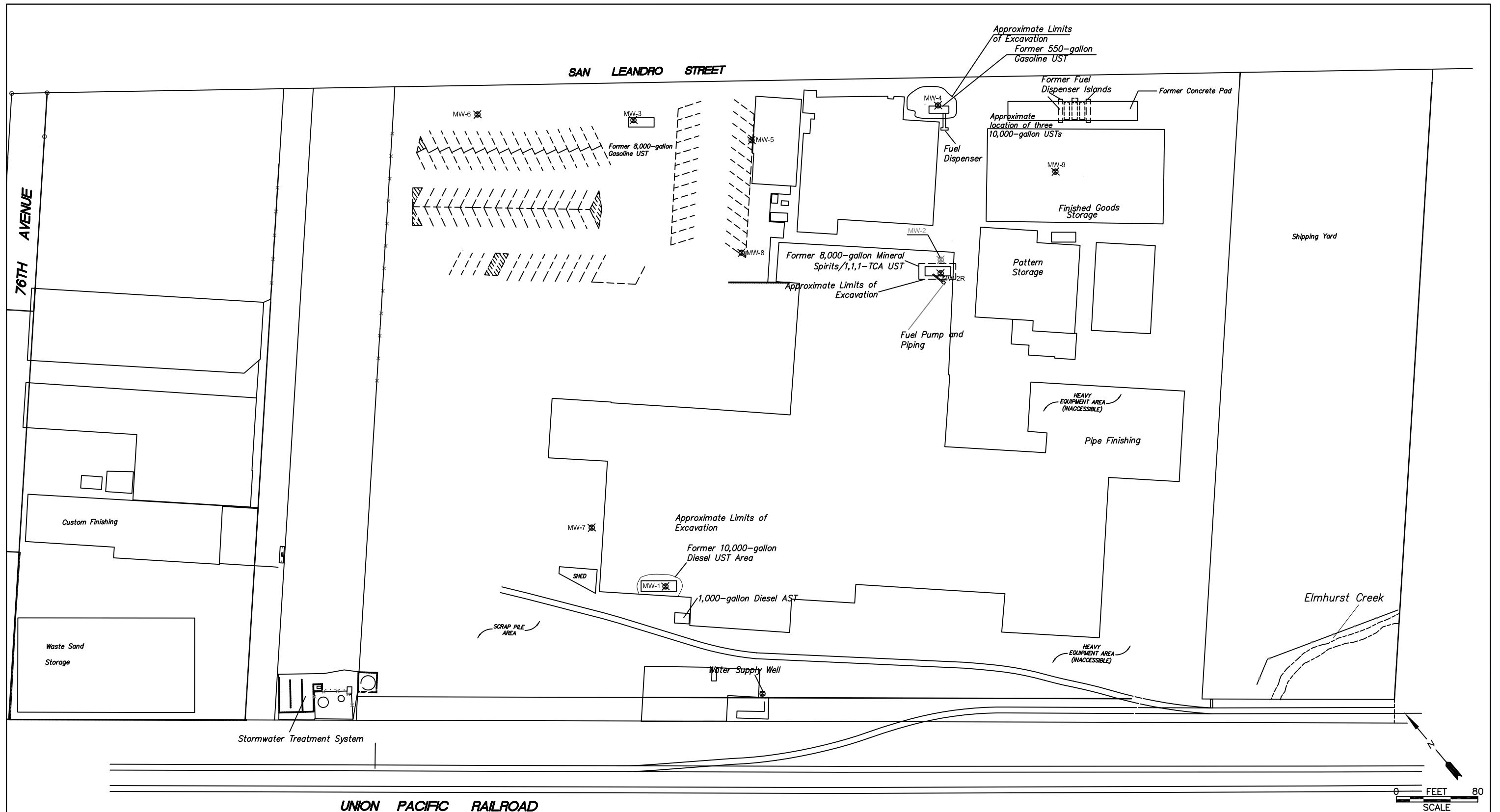
6/27/07

LOCATION:

7825 San Leandro Street  
 Oakland, California

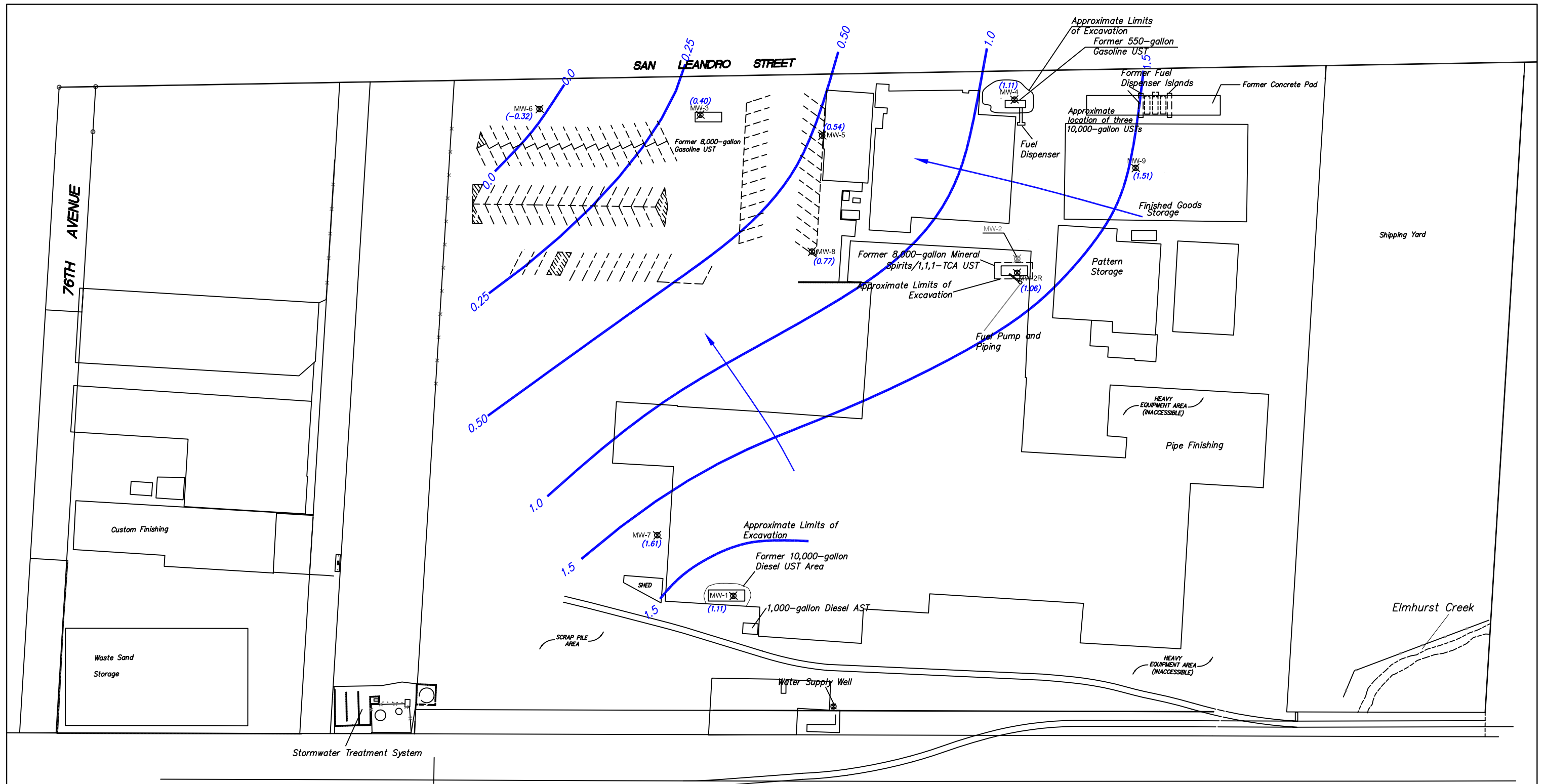
FIGURE:

**1**



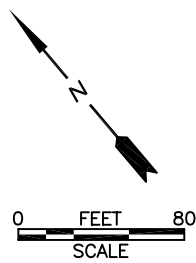
Legend	
MW-1 ☒	Existing Monitoring Well Location (BSK, 1993, 2006)
MW-1 ☒	Abandoned Monitoring Well (BSK, 2006)
UST	Underground Storage Tank
1,1,1-TCA	1,1,1-trichloroethane

SITE PLAN		
AB&I FOUNDRY 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA		
	Date: 1/19/08	Figure: <b>2</b>
3451-C VINCENT ROAD PLEASANT HILL, CA 94523		
All figures.dwg		



Stormwater Treatment System

UNION PACIFIC RAILROAD



**Legend**

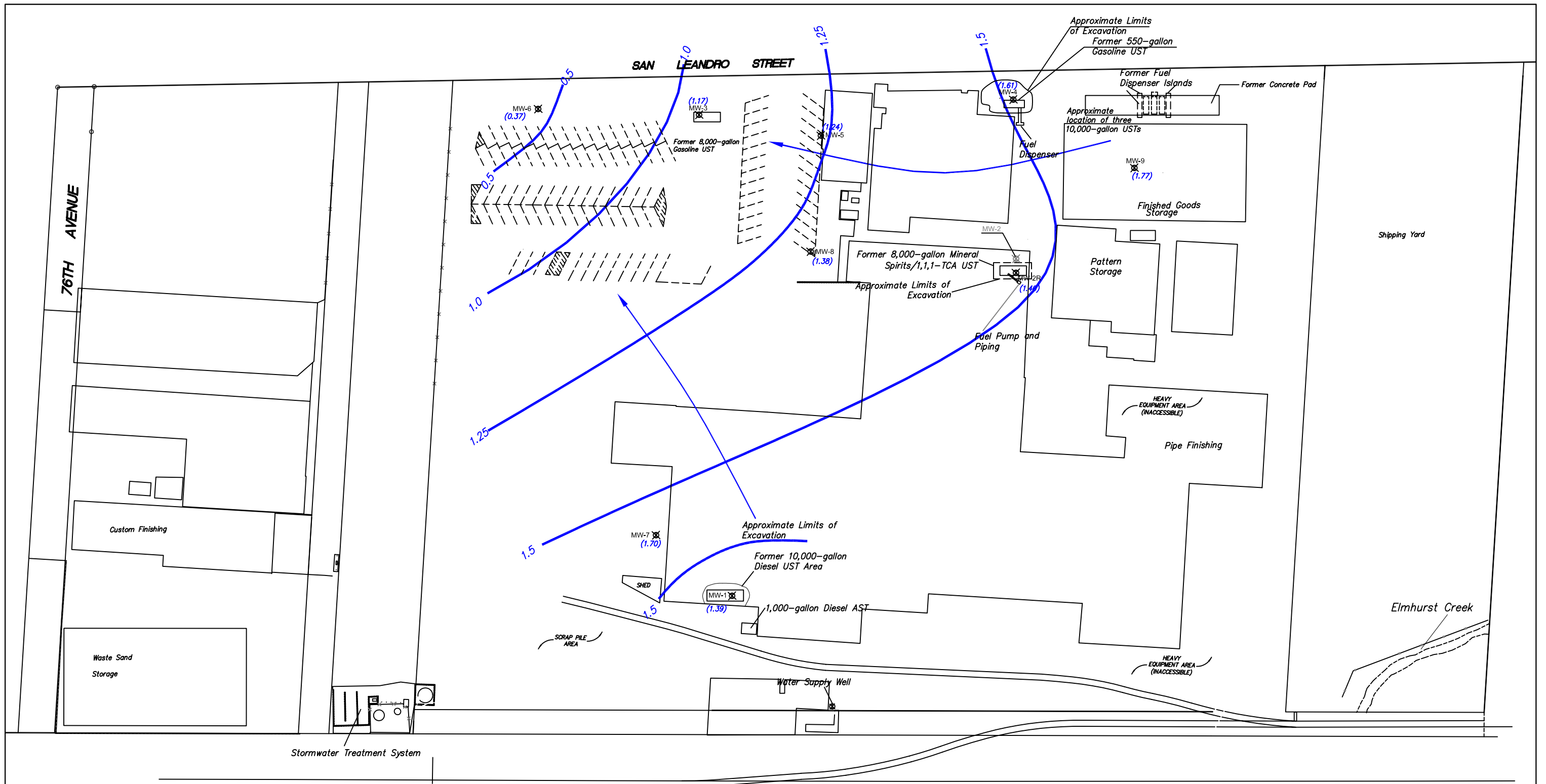
- Existing Monitoring Well Location (BSK, 1993, 2006)
- Abandoned Monitoring Well (BSK, 2006)
- UST**      **1,1,1-TCA**      **1,1,1-trichloroethane**
- Groundwater Elevation Contour (in feet above mean sea level)
- Groundwater Flow Direction

**POTENTIOMETRIC SURFACE MAP**  
October 2, 2008

AB&I FOUNDRY  
7825 SAN LEANDRO STREET  
OAKLAND, CALIFORNIA

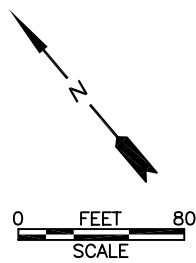
Date: 11/21/08	Figure: <b>3</b>
All figures.dwg	

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



Stormwater Treatment System

UNION PACIFIC RAILROAD



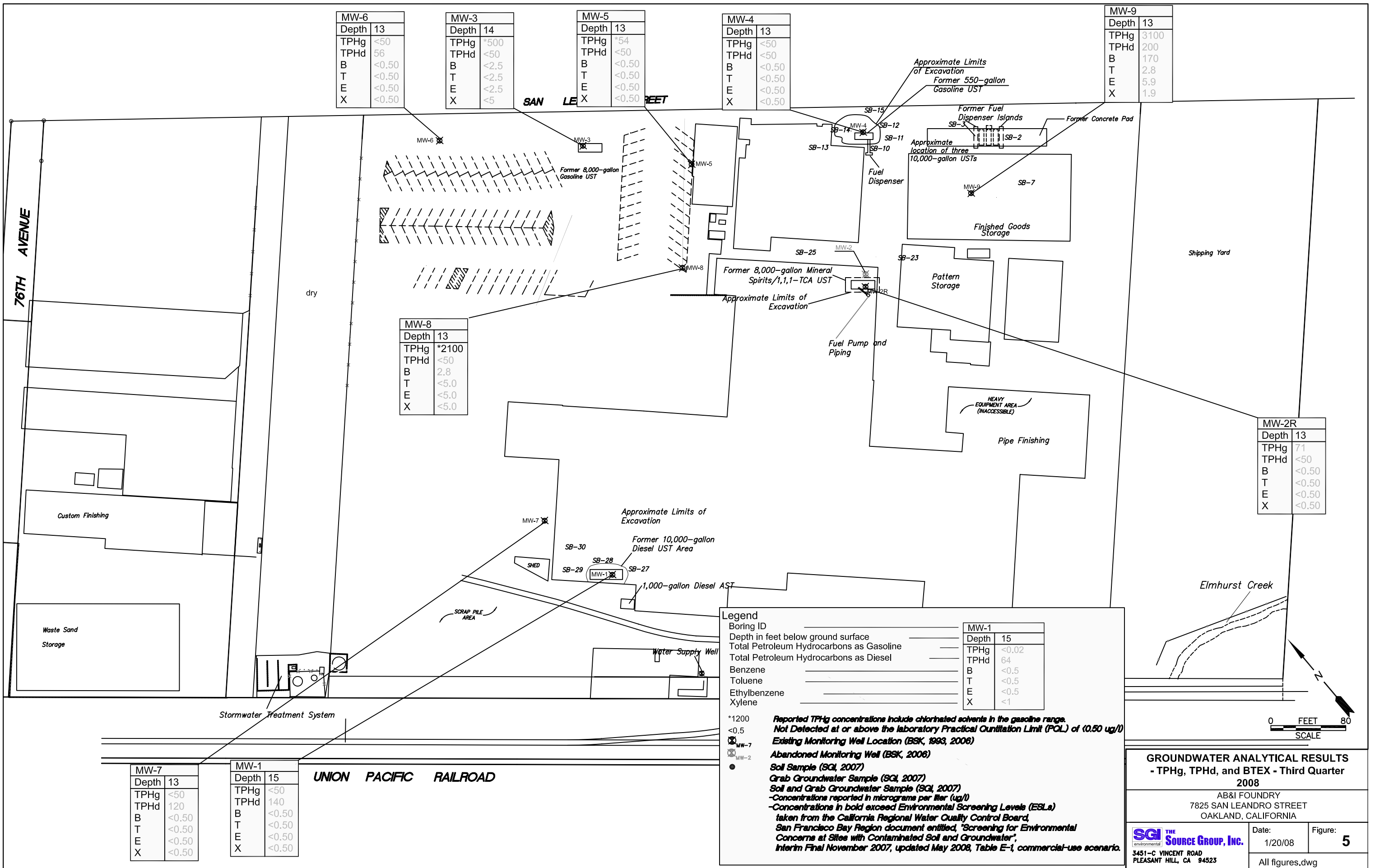
**Legend**

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

**POTENTIOMETRIC SURFACE MAP**  
December 11, 2008

AB&I FOUNDRY  
7825 SAN LEANDRO STREET  
OAKLAND, CALIFORNIA

 <small>environmental</small>	Date: 11/21/08	Figure: <b>4</b>
<small>3451-C VINCENT ROAD PLEASANT HILL, CA 94523</small>		
<small>All figures.dwg</small>		



MW-6	
Depth	13
TPHg	<50
TPHd	56
B	<0.50
T	<0.50
E	<0.50
X	<0.50

MW-3	
Depth	14
TPHg	*500
TPHd	<50
B	<2.5
T	<2.5
E	<2.5
X	<5

MW-5	
Depth	13
TPHg	*54
TPHd	<50
B	<0.50
T	<0.50
E	<0.50
X	<0.50

MW-4	
Depth	13
TPHg	<50
TPHd	<50
B	<0.50
T	<0.50
E	<0.50
X	<0.50

MW-9	
Depth	13
TPHg	3100
TPHd	200
B	170
T	2.8
E	5.9
X	1.9

MW-8	
Depth	13
TPHg	*2100
TPHd	<50
B	2.8
T	<5.0
E	<5.0
X	<5.0

MW-2R	
Depth	13
TPHg	71
TPHd	<50
B	<0.50
T	<0.50
E	<0.50
X	<0.50

MW-1	
Depth	15
TPHg	<0.02
TPHd	64
B	<0.5
T	<0.5
E	<0.5
X	<1

MW-7	
Depth	13
TPHg	<50
TPHd	120
B	<0.50
T	<0.50
E	<0.50
X	<0.50

MW-1	
Depth	15
TPHg	<50
TPHd	140
B	<0.50
T	<0.50
E	<0.50
X	<0.50

**Legend**

- Boring ID
- Depth in feet below ground surface
- Total Petroleum Hydrocarbons as Gasoline
- Total Petroleum Hydrocarbons as Diesel
- Benzene
- Toluene
- Ethylbenzene
- Xylene

\*1200  
 <0.5  
 MW-7  
 MW-2

**Reported TPHg concentrations include chlorinated solvents in the gasoline range. Not Detected at or above the laboratory Practical Quantitation Limit (PQL) of (0.50 ug/l)**

**Existing Monitoring Well Location (BSK, 1993, 2006)**

**Abandoned Monitoring Well (BSK, 2006)**

**Soil Sample (SQI, 2007)**

**Grab Groundwater Sample (SQI, 2007)**

**Soil and Grab Groundwater Sample (SQI, 2007)**

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

*-Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007, updated May 2008, Table E-1, commercial-use scenario.*

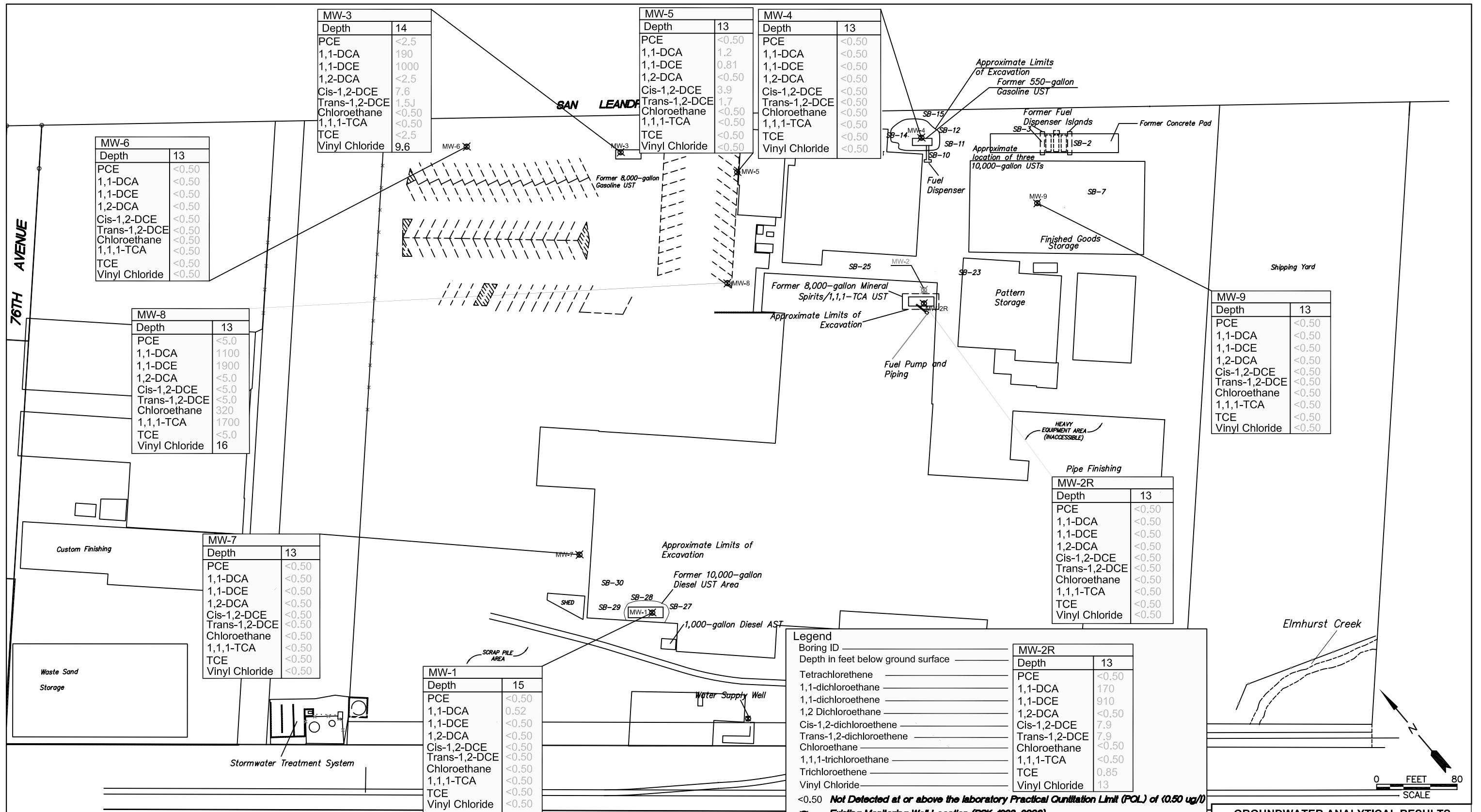
**GROUNDWATER ANALYTICAL RESULTS**  
 - TPHg, TPHd, and BTEX - Third Quarter 2008

AB&I FOUNDRY  
 7825 SAN LEANDRO STREET  
 OAKLAND, CALIFORNIA

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Date: 1/20/08  
 Figure: **5**

All figures.dwg



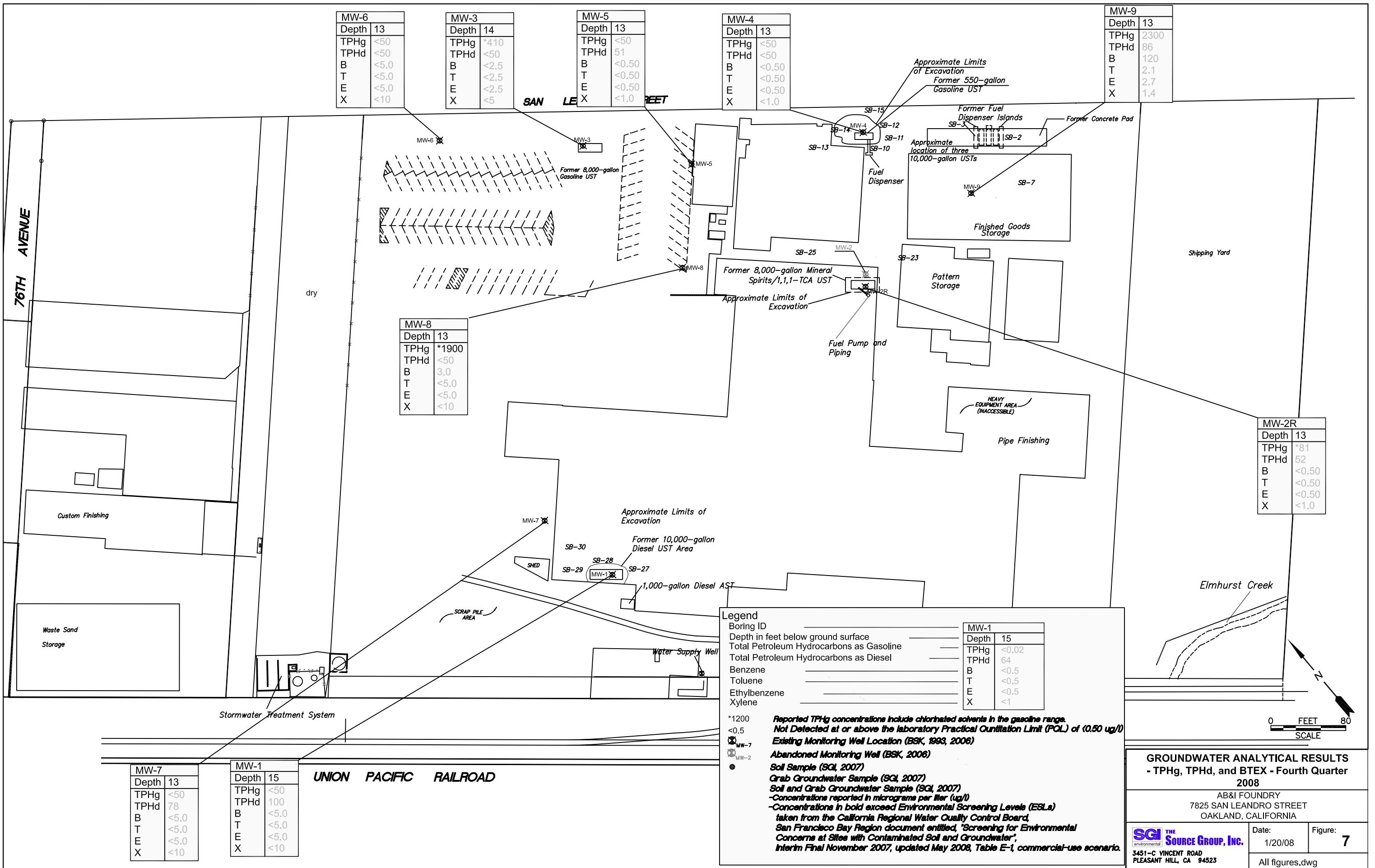
**GROUNDWATER ANALYTICAL RESULTS**  
 - CHLORINATED VOCs - Third Quarter 2008

AB&I FOUNDRY  
 7825 SAN LEANDRO STREET  
 OAKLAND, CALIFORNIA

Date: 1/20/08 Figure: 6

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All figures.dwg



MW-6	Depth	13
	TPHg	<50
	TPHd	<50
	B	<5.0
	T	<5.0
	E	<5.0
	X	<10

MW-3	Depth	14
	TPHg	*410
	TPHd	<50
	B	<2.5
	T	<2.5
	E	<2.5
	X	<5

MW-5	Depth	13
	TPHg	<50
	TPHd	51
	B	<0.50
	T	<0.50
	E	<0.50
	X	<1.0

MW-4	Depth	13
	TPHg	<50
	TPHd	<50
	B	<0.50
	T	<0.50
	E	<0.50
	X	<1.0

MW-9	Depth	13
	TPHg	2300
	TPHd	86
	B	120
	T	2.1
	E	2.7
	X	1.4

MW-8	Depth	13
	TPHg	*1900
	TPHd	<50
	B	3.0
	T	<5.0
	E	<5.0
	X	<10

MW-2R	Depth	13
	TPHg	*81
	TPHd	52
	B	<0.50
	T	<0.50
	E	<0.50
	X	<1.0

MW-1	Depth	15
	TPHg	<0.02
	TPHd	64
	B	<0.5
	T	<0.5
	E	<0.5
	X	<1

MW-7	Depth	13
	TPHg	<50
	TPHd	78
	B	<5.0
	T	<5.0
	E	<5.0
	X	<10

MW-1	Depth	15
	TPHg	<50
	TPHd	100
	B	<5.0
	T	<5.0
	E	<5.0
	X	<10

**Legend**

- Boring ID
- Depth in feet below ground surface
- Total Petroleum Hydrocarbons as Gasoline
- Total Petroleum Hydrocarbons as Diesel
- Benzene
- Toluene
- Ethylbenzene
- Xylene

\*1200  
<0.5

☒ MW-7  
☒ MW-2

●

**Reported TPHg concentrations include chlorinated solvents in the gasoline range. Not Detected at or above the laboratory Practical Quantitation Limit (PQL) of (0.50 ug/l)**

**Existing Monitoring Well Location (BSK, 1993, 2006)**

**Abandoned Monitoring Well (BSK, 2006)**

**Soil Sample (SQI, 2007)**

**Grab Groundwater Sample (SQI, 2007)**

**Soil and Grab Groundwater Sample (SQI, 2007)**

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

**-Concentrations in bold exceed Environmental Screening Levels (ESLs) taken from the California Regional Water Quality Control Board, San Francisco Bay Region document entitled, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", Interim Final November 2007, updated May 2008, Table E-1, commercial-use scenario.**

**GROUNDWATER ANALYTICAL RESULTS**  
- TPHg, TPHd, and BTEX - Fourth Quarter 2008

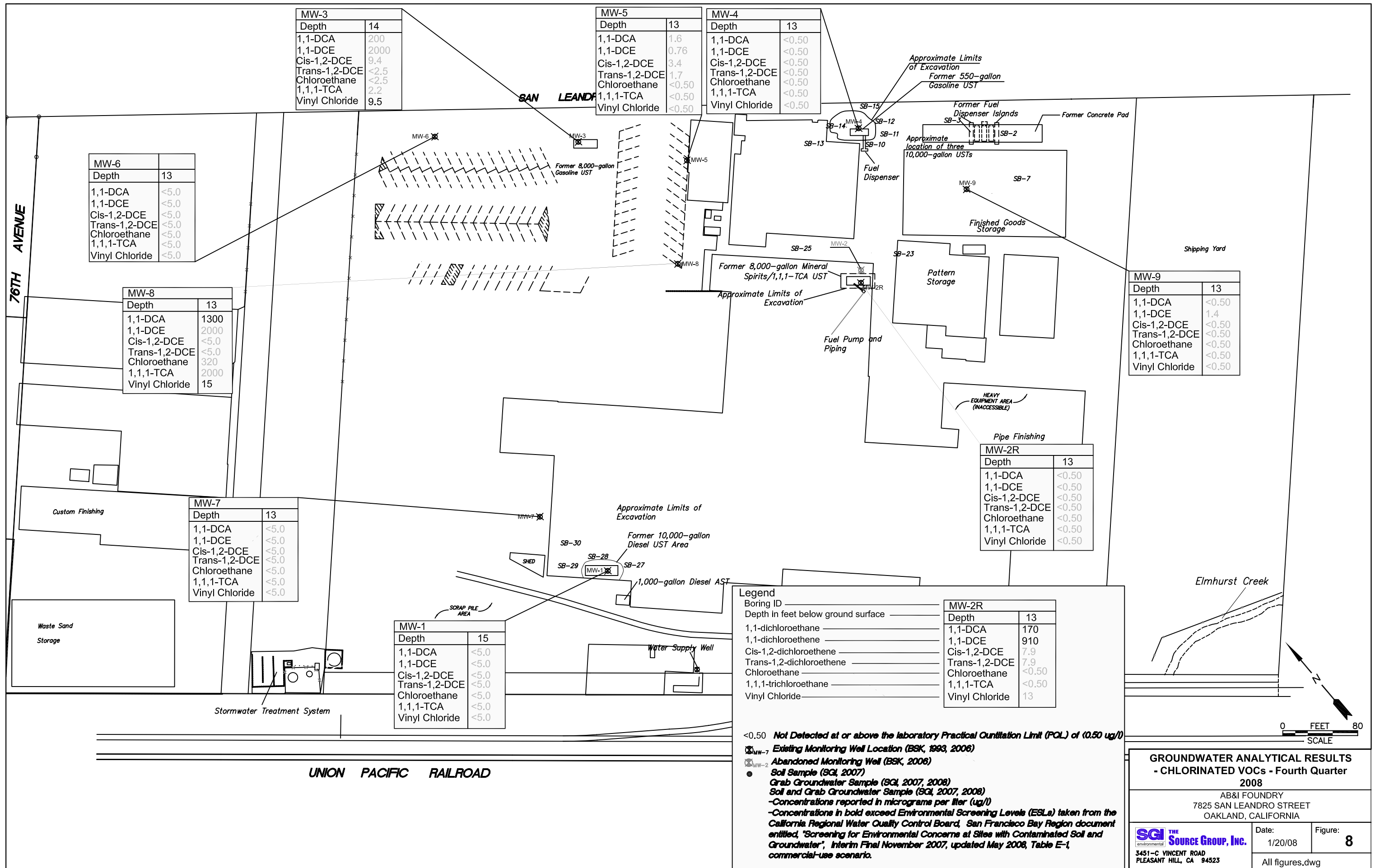
AB&I FOUNDRY  
7825 SAN LEANDRO STREET  
OAKLAND, CALIFORNIA

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Date: 1/20/08  
Figure: 7

All figures.dwg





MW-3	
Depth	14
1,1-DCA	200
1,1-DCE	2000
Cis-1,2-DCE	9.4
Trans-1,2-DCE	<2.5
Chloroethane	<2.5
1,1,1-TCA	2.2
Vinyl Chloride	9.5

MW-5	
Depth	13
1,1-DCA	1.6
1,1-DCE	0.76
Cis-1,2-DCE	3.4
Trans-1,2-DCE	1.7
Chloroethane	<0.50
1,1,1-TCA	<0.50
Vinyl Chloride	<0.50

MW-4	
Depth	13
1,1-DCA	<0.50
1,1-DCE	<0.50
Cis-1,2-DCE	<0.50
Trans-1,2-DCE	<0.50
Chloroethane	<0.50
1,1,1-TCA	<0.50
Vinyl Chloride	<0.50

MW-6	
Depth	13
1,1-DCA	<5.0
1,1-DCE	<5.0
Cis-1,2-DCE	<5.0
Trans-1,2-DCE	<5.0
Chloroethane	<5.0
1,1,1-TCA	<5.0
Vinyl Chloride	<5.0

MW-8	
Depth	13
1,1-DCA	1300
1,1-DCE	2000
Cis-1,2-DCE	<5.0
Trans-1,2-DCE	<5.0
Chloroethane	320
1,1,1-TCA	2000
Vinyl Chloride	15

MW-7	
Depth	13
1,1-DCA	<5.0
1,1-DCE	<5.0
Cis-1,2-DCE	<5.0
Trans-1,2-DCE	<5.0
Chloroethane	<5.0
1,1,1-TCA	<5.0
Vinyl Chloride	<5.0

MW-1	
Depth	15
1,1-DCA	<5.0
1,1-DCE	<5.0
Cis-1,2-DCE	<5.0
Trans-1,2-DCE	<5.0
Chloroethane	<5.0
1,1,1-TCA	<5.0
Vinyl Chloride	<5.0

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

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

**Legend**

Boring ID \_\_\_\_\_

Depth in feet below ground surface \_\_\_\_\_

1,1-dichloroethane \_\_\_\_\_

1,1-dichloroethene \_\_\_\_\_

Cis-1,2-dichloroethene \_\_\_\_\_

Trans-1,2-dichloroethene \_\_\_\_\_

Chloroethane \_\_\_\_\_

1,1,1-trichloroethane \_\_\_\_\_

Vinyl Chloride \_\_\_\_\_

<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, commercial-use scenario.

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

**GROUNDWATER ANALYTICAL RESULTS**  
**- CHLORINATED VOCs - Fourth Quarter 2008**

AB&I FOUNDRY  
 7825 SAN LEANDRO STREET  
 OAKLAND, CALIFORNIA

Date: 1/20/08 Figure: **8**

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

All figures.dwg

## TABLES

**Table 1**  
**Well Construction Details and Groundwater Elevation October 2008**

AB&I Foundry  
7825 San Leandro Street  
Oakland, California

<b>Well Number</b>	<b>Total Depth<sup>1</sup></b>	<b>Solid Casing<sup>2</sup></b>	<b>Screened Interval<sup>3</sup></b>	<b>Top of Casing (feet, msl<sup>4</sup>)</b>	<b>Depth to Water (feet, btoc<sup>5</sup>)</b>	<b>Groundwater Elevation (feet, msl<sup>6</sup>)</b>
MW-1	23	0-10	10-20	7.71	6.60	1.11
MW-2	17	0-8	8-17	NM	NM	Destroyed
MW-2R	20.5	0-5	5-20	5.53	4.47	1.06
MW-3	19.5	0-9	9-19	8.00	7.60	0.40
MW-4	26.5	0-10	10-25	8.59	7.48	1.11
MW-5	20.5	0-5	5-20	8.99	8.45	0.54
MW-6	20.5	0-5	5-20	8.29	8.61	-0.32
MW-7	20.5	0-5	5-20	8.70	7.09	1.61
MW-8	20.5	0-5	5-20	9.30	8.53	0.77
MW-9	20.5	0-5	5-20	6.07	4.56	1.51

**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 October 2, 2008
- 6) Groundwater elevation in feet above mean sea level (msl)

**Table 2**  
**Well Construction Details and Groundwater Elevation December 2008**  
 AB&I Foundry  
 7825 San Leandro Street  
 Oakland, California

<b>Well Number</b>	<b>Total Depth<sup>1</sup></b>	<b>Solid Casing<sup>2</sup></b>	<b>Screened Interval<sup>3</sup></b>	<b>Top of Casing (feet, msl<sup>4</sup>)</b>	<b>Depth to Water (feet, btoc<sup>5</sup>)</b>	<b>Groundwater Elevation (feet, msl<sup>6</sup>)</b>
MW-1	23	0-10	10-20	7.71	6.32	1.39
MW-2	17	0-8	8-17	NM	NM	Destroyed
MW-2R	20.5	0-5	5-20	5.53	4.07	1.46
MW-3	19.5	0-9	9-19	8.00	6.83	1.17
MW-4	26.5	0-10	10-25	8.59	6.98	1.61
MW-5	20.5	0-5	5-20	8.99	7.75	1.24
MW-6	20.5	0-5	5-20	8.29	7.92	0.37
MW-7	20.5	0-5	5-20	8.70	7.00	1.70
MW-8	20.5	0-5	5-20	9.30	7.92	1.38
MW-9	20.5	0-5	5-20	6.07	4.30	1.77

**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 December 11, 2008
- 6) Groundwater elevation in feet above mean sea level (msl)

**Table 3**  
**Summary of Groundwater Sample Results - October 2008**  
 AB&I Foundry  
 7825 San Leandro Street  
 Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	1,1 - DCA	1,1 - DCE	trans 1,2-DCE	cis 1,2-DCE	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Benzene	Chloroethane	Ethylbenzene	1,3,5-Trimethylbenzene	Tert-Butylbenzene	Isopropylbenzene	4-Isopropyltoluene	Toluene	1,1,1-TCA	Vinyl chloride	m,p-Xylene	Naphthalene	o-Xylenes
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)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
RWQCB ESLs <sup>1</sup>			NE	NE	3,400	18,000	19,000	17,000	NE	NE	NE	1,800	2,700	170,000	NE	NE	NE	NE	530,000	360,000	13.0	NE	11,000	160,000
RWQCB ESLs <sup>2</sup>			NE	NE	1,000	6,300	6,700	6,200	NE	NE	NE	540	820	170,000	NE	NE	NE	NE	350,000	130,000	3.8	NE	3,200	160,000
<b>MISC</b>																								
MW-1		10/3/2008	<50	140	0.52	<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	<0.50	<1.0	<0.50	<0.50
MW-2R		10/3/2008	71	<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	<0.50	<0.50	<1.0	<0.50	<0.50
MW-3		10/2/2008	*500	<50	190	1000	1.5 J	7.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<b>9.6</b>	<5.0	<2.5	<2.5
MW-4		10/2/2008	<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	<0.50	<0.50	<1.0	<0.50	<0.50
MW-5		10/2/2008	*54	<50	1.2	0.81	1.7	3.9	<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	<1.0	<0.50	<0.50
MW-6		10/2/2008	<50	56	<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	<0.50	<0.50	<1.0	<0.50	<0.50
MW-7		10/2/2008	<50	120	<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	<0.50	<0.50	<1.0	<0.50	<0.50
MW-8		10/2/2008	*2100	<50	1100	1900	<5.0	<5.0	<5.0	<5.0	<5.0	2.8	320	<5.0	<5.0	<5.0	5.2	<5.0	<5.0	1700	<b>16</b>	<10	<5.0	<5.0
MW-8 (D)		10/2/2008	*2000	<50	1200	2100	2.9	<5.0	<5.0	<5.0	<5.0	3.1	390	<5.0	<5.0	<5.0	6.0	<5.0	<5.0	2000	<b>20</b>	<10	<5.0	<5.0
MW-9		10/3/2008	3100	200	<0.50	<0.50	<0.50	<0.50	2.5	29	2.7	170	<0.50	5.9	0.28	0.32 J	<0.50	1.6	2.8	<0.50	<0.50	1.9	1.8	<0.50

**Notes:**

- NE - value not established
- feet bgs - feet below ground surface
- (D) - Duplicate sample
- \*500 - Reported due to the presence of discrete peaks
- 1,1,2-TCA - 1,1,2-Trichloroethane
- TPHg - Total Petroleum Hydrocarbons as Gasoline
- TPHd - Total Petroleum Hydrocarbons as Diesel
- 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
- <0.50 - 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, commercial land use.
- J - Analyte detected below practical quantitation limit

RWQCB ESLs<sup>1</sup> - 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, Table E-1, commercial land use scenario.

RWQCB ESLs<sup>2</sup> - 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, Table E-1, residential land use scenario.

**Table 4**  
**Summary of Groundwater Sample Results - December 2008**  
 AB&I Foundry  
 7825 San Leandro Street  
 Oakland, California

Sample ID	Depth	Date	TPHg	TPHd	1,1 - DCA	1,1 - DCE	trans 1,2-DCE	cis 1,2-DCE	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Benzene	Chloroethane	Ethylbenzene	Tert-Butylbenzene	Isopropylbenzene	4-Isopropyltoluene	Toluene	1,1,1-TCA	Vinyl chloride	m,p-Xylene	Naphthalene
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)	(µg/L)	(µg/L)	(µg/L)
RWQCB ESLs <sup>1</sup>			NE	NE	3,400	18,000	19,000	17,000	NE	NE	NE	1,800	2,700	170,000	NE	NE	NE	530,000	360,000	13.0	NE	11,000
RWQCB ESLs <sup>2</sup>			NE	NE	1,000	6,300	6,700	6,200	NE	NE	NE	540	820	170,000	NE	NE	NE	350,000	130,000	3.8	NE	3,200
<b>MISC</b>																						
MW-1		12/12/2008	<50	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-2R		12/12/2008	*81	52	<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	<0.50	<1.0	<0.50
MW-3		12/11/2008	*410	<50	200	2000	<2.5	9.4	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.2	<b>9.5</b>	<5.0	<2.5
MW-4		12/11/2008	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-5		12/11/2008	<50	51	1.6	0.76	1.2	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-6		12/11/2008	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-7		12/12/2008	<50	78	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-8		12/11/2008	*1900	<50	1300	2000	<5.0	<5.0	<5.0	<5.0	<5.0	3	320	<5.0	<5.0	6.2	<5.0	<5.0	2000	<b>15</b>	<10	<5.0
MW-8 (D)		12/11/2008	*1900	<50	1500	2300	<5.0	<5.0	<5.0	<5.0	<5.0	2.5	230	<5.0	<5.0	4.9	<5.0	<5.0	2400	<b>12</b>	<10	<5.0
MW-9		12/11/2008	2300	86	<0.50	1.4	<0.50	<0.50	1.9	23	2.1	120	<0.50	2.7	0.25	19	1.3	2.1	<0.50	<0.50	1.4	1.3

**Notes:**

- NE - value not established
- feet bgs - feet below ground surface
- (D) - Duplicate sample
- \*500 - Reported due to the presence of discrete peaks
- TPHg - Total Petroleum Hydrocarbons as Gasoline
- TPHd - Total Petroleum Hydrocarbons as Diesel
- 1,1,2-TCA - 1,1,2-Trichloroethane
- 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
- <0.50 - 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, commercial land use.

RWQCB ESLs<sup>1</sup> - 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, Table E-1, commercial land use scenario.

RWQCB ESLs<sup>2</sup> - 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, Table E-1, residential land use scenario.

**APPENDIX A**

**HISTORICAL WATER LEVEL AND QUALITY 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
	10/02/08	1.11
12/12/08	1.39	
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
	10/02/08	1.06
12/12/08	1.46	
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	
06/12/08	2.30	
10/02/08	0.40	
12/11/08	1.17	



**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
06/12/08	3.12	
10/02/08	1.11	
12/11/08	1.61	
MW-5	08/17/06	1.31
	10/24/07	0.47
	06/12/08	2.46
	10/02/08	0.54
	12/11/08	1.24
MW-6	08/17/06	0.26
	10/24/07	-0.79
	06/12/08	1.52
	10/02/08	-0.32
	12/11/08	0.37
MW-7	08/17/06	0.60
	10/24/07	1.71
	06/12/08	3.84
	10/02/08	1.61
	12/12/08	1.70
MW-8	08/17/06	1.36
	10/24/07	0.88
	06/12/08	2.77
	10/02/08	0.77
	12/11/08	1.38
MW-9	08/23/06	1.86
	10/24/07	1.80
	06/12/08	3.58
	10/02/08	1.51
	12/11/08	1.77
<b>Notes:</b>		
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	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
	10/25/07	--	--	450	<1.0	<50	<5.0	<5.0	<5.0	<5.0	<1.0	<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	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	02/22/08	--	--	560	<1.0	<50	<0.5	<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	<0.50	<1.0	--	--	--	--	--	<0.50
10/03/08	--	--	140	<0.50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	
12/12/08	--	--	100	<0.50	<50	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	--	--	<5.0	
MW-2	03/10/93	1.0	ND	--	--	920	ND	0.8	ND	ND	--	--	--	--	--	--	
	08/20/93	ND	ND	--	--	720	2.9	4.2	6.3	25	--	--	--	--	--	--	
	12/03/93	ND	ND	--	--	900	ND	250	19	5.1	--	--	--	--	--	--	
	03/04/94	ND	ND	--	--	420	ND	ND	ND	3.6	--	--	--	--	--	--	
	06/10/94	2,000	2,000	--	--	920	ND	ND	ND	ND	--	--	--	--	--	--	
	09/09/94	2.0	2.0	--	--	830	ND	ND	ND	ND	--	--	--	--	--	--	
	12/16/94	ND	ND	--	--	130	ND	0.2	ND	ND	--	--	--	--	--	--	
	03/17/95	--	1.0	--	--	320	4.9	ND	ND	ND	--	--	--	--	--	--	
	06/23/95	ND	ND	--	--	190	ND	ND	ND	ND	--	--	--	--	--	--	
	09/06/95	ND	ND	--	--	110	ND	ND	ND	ND	--	--	--	--	--	--	
	01/18/96	ND	ND	--	--	120	ND	ND	ND	ND	--	--	--	--	--	--	
	04/26/96	ND	ND	--	--	500	ND	ND	ND	ND	--	--	--	--	--	--	
	02/03/97	ND	ND	--	--	250	ND	ND	ND	1.7	--	--	--	--	--	--	
	07/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	06/13/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**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-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	<1.0	*150	<5.0	<5.0	<5.0	<1.0	<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	<1.0	--	--	--	--	--	<0.50	
	10/03/08	--	--	<50	<0.50	*71	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	
	12/12/08	--	--	52	<0.50	*81	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<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	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
	10/24/07	--	--	<50	<1.0	*540	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<0.50	<0.50	<1.0	<5.0	<5.0
	02/21/08	--	--	110	<20	*660	<5.0	<5.0	<5.0	<5.0	<1.0	<50	--	--	--	<10	
	02/21/08	--	--	110	<20	*660	<5.0	<5.0	<5.0	<5.0	<1.0	<50	--	--	--	<10	
06/13/08	--	--	<50	<0.50	*510	0.65	<0.50	<0.50	<0.50	<1.0	--	--	--	--	<0.50		
10/02/08	--	--	<50	<0.50	*500	<2.5	<2.5	<2.5	<2.5	<5	--	--	--	--	<2.5		
12/11/08	--	--	<50	<2.5	*410	<2.5	<2.5	<2.5	<2.5	9.5	--	--	--	--	<2.5		
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	--	--	--	--	--	--	
	12/16/94	--	--	--	--	100	0.4	0.4	ND	1.2	--	--	--	--	--	--	
03/17/95	--	--	--	--	62	ND	ND	ND	ND	--	--	--	--	--	--		

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

Well Number	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
	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	<1.0	<50	<5.0	<5.0	<5.0	<1.0	<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	<1.0	--	--	--	--	--	<0.50
	10/02/08	--	--	<50	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/11/08	--	--	<50	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
MW-5	08/17/06	--	--	80	<1.0	<50	0.56	0.7	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
	10/25/07	--	--	<50	<1.0	<50	<5.0	<5.0	<5.0	<1.0	<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	<1.0	<5.0	--	--	--	--	<0.5
	02/22/08	--	--	130	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5
	06/13/08	--	--	<50	<0.50	<50	0.65	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	10/02/08	--	--	<50	<0.50	*54	<0.5	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/11/08	--	--	51	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<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	<1.0	<50	<5.0	<5.0	<5.0	<1.0	<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	<1.0	--	--	--	--	--	<0.50
	10/02/08	--	--	56	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/11/08	--	--	<50	<5.0	<50	<5.0	<5.0	<5.0	<10	--	--	--	--	--	<5.0
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	<1.0	<50	<5.0	<5.0	<5.0	<1.0	<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	<1.0	--	--	--	--	--	<0.50
	10/02/08	--	--	120	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/12/08	--	--	78	<5.0	<50	<5.0	<5.0	<5.0	<10	--	--	--	--	--	<5.0
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	<1.0	*1200	<5.0	<5.0	<5.0	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<25

**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
	02/21/08	--	--	140	<50	*2500	<25	<25	<25	<50	<250	--	--	--	--	<25
	02/21/08	--	--	140	<50	*2500	<25	<25	<25	<25	<250	--	--	--	--	<25
	06/13/08	--	--	<50	<10	*2100	<10	<10	<10	<20	--	--	--	--	--	<10
	10/02/08	--	--	<50	<5.0	*2100	2.8	<5.0	<5.0	<10	--	--	--	--	--	<5.0
	12/11/08	--	--	<50	<5.0	*1900	3.0	<5.0	<5.0	<10	--	--	--	--	--	<5.0
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
	10/03/08	--	--	200	1.8	3,100	170	2.8	5.9	1.9	--	--	--	--	--	<0.50
	12/11/08	--	--	86	1.3	2,300	120	2.1	2.7	1.4	--	--	--	--	--	<0.50

**Notes:**

-Historical data for sampling events conducted prior to October 2007 obtained from Table 2, Preliminary Groundwater 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.

\*500 = Reported due to the presence of discrete peaks



**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-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	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	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	<0.50	<0.50	<0.50	<0.50	--
	10/02/08	<0.50	<0.50	<0.50	1.2	0.81	3.9	1.7	<0.50	<0.50	<0.50	<0.50	--
	12/11/08	<0.50	<0.50	<0.50	1.6	0.76	3.4	1.2	<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	--
	10/02/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/11/08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
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	<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	<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	--
	10/02/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/12/08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
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	1600	1600	<0.5	<25	1700	<25	<25	<50	--
	02/21/08	<50	<25	290	1800	2300	<25	<25	2500	<25	<25	<50	--
	06/12/08	<10	<10	300	1400	3200	<10	<10	2700	19	<10	<10	--
	10/02/08	<5.0	<5.0	320	1100	1900	<5	<5	1700	16	5.2	<5.0	--
	12/11/08	<5.0	<5.0	320	1300	2000	<5.0	<5.0	2000	15	6.2	<5.0	--
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	--
	06/12/08	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	22	26	--
	10/03/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	--
	12/11/08	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	19	23	--

**Notes:**

-Historical data for sampling events conducted prior to October 2007 obtained from Table 3, Preliminary Groundwater 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**  
**FIELD DATA SHEETS**



**FIELD SAMPLING FORMS**

**THIRD QUARTER 2008**



# 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: 1-13-08  
 SAMPLE TIME: 1130  
 SAMPLE DATE: 1-13-08  
 PERSONNEL: N. C. Han

INITIAL DTW (ft): 6.63  
 DEPTH TO BOTTOM (ft): 23  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:** \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
<u>6.65</u>	<u>1058</u>	<u>180</u>	<u>7.52</u>	<u>126.9</u>	<u>18.94</u>	<u>3.02</u>	<u>-124.4</u>	<u>gray</u>	<u>18.1</u>	<u>-</u>
<u>6.65</u>	<u>1103</u>	<u>180</u>	<u>7.44</u>	<u>126.3</u>	<u>18.80</u>	<u>2.25</u>	<u>+21.4</u>	<u>gray</u>	<u>7.9</u>	<u>-</u>
<u>6.65</u>	<u>1108</u>	<u>180</u>	<u>7.44</u>	<u>125.9</u>	<u>18.80</u>	<u>1.92</u>	<u>-120.4</u>	<u>gray</u>	<u>6.9</u>	<u>-</u>
<u>6.66</u>	<u>1113</u>	<u>180</u>	<u>7.45</u>	<u>124.9</u>	<u>18.80</u>	<u>1.68</u>	<u>-123.2</u>	<u>gray</u>	<u>5.3</u>	<u>-</u>
<u>6.60</u>	<u>1123</u>	<u>180</u>	<u>7.44</u>	<u>121.6</u>	<u>18.76</u>	<u>0.78</u>	<u>-121.3</u>	<u>gray</u>	<u>1.4</u>	<u>-</u>
<u>6.66</u>	<u>1128</u>	<u>180</u>	<u>7.44</u>	<u>121.3</u>	<u>18.72</u>	<u>0.69</u>	<u>-124.5</u>	<u>gray</u>	<u>1.0</u>	<u>-</u>

Total Gallons Purged: 2.5

Purging Method: \_\_\_\_\_  
 Submersible Bladder Pump: \_\_\_\_\_  
 12 Volt Pump: \_\_\_\_\_  
 Peristaltic Pump  
 Bailor: \_\_\_\_\_

**WELL SAMPLING:**

DTW at Time of Sampling: 6.88

Sampling Method: \_\_\_\_\_  
 Submersible Bladder Pump: \_\_\_\_\_  
 12 Volt Pump: \_\_\_\_\_  
 Peristaltic Pump  
 Bailor: \_\_\_\_\_

SAMPLE ID: MW-1

**QA/QC SAMPLING:**

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

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-2R

PURGE DATE: 10/3/08

SAMPLE TIME: 1030

SAMPLE DATE: 10/3/08

PERSONNEL: N. C. Itan

INITIAL DTW (ft): 433

DEPTH TO BOTTOM (ft): 205

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): \_\_\_\_\_

3 VOLUMES (gals): \_\_\_\_\_

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

PURGE LOG: \_\_\_\_\_ (circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
4.36	1005	175	7.04	140.7	20.26	2.28	-99.6	gray	63.6	-
4.36	1010	175	7.04	146.7	20.11	0.38	-102.6	gray	55.6	-
4.37	1015	190	7.02	146.8	20.15	0.24	-94.9	gray	39.1	-
4.39	1020	190	7.01	143.4	20.20	0.11	-90.9	gray	19.9	-
4.37	1025	190	7.01	135.0	20.32	0.04	-99.2	gray	11.6	-

Total Gallons Purged: 2.0

2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 4.37

2"

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

SAMPLE ID: MW-2R

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_    TYPE: Rinsate Blank    Duplicate    Field Blank

**COMMENTS:**

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# 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: 10/2/08

SAMPLE TIME: 1130

SAMPLE DATE: 10/2/08

PERSONNEL: N. C. [unclear]

INITIAL DTW (ft): 7.80

DEPTH TO BOTTOM (ft): 19.5

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): \_\_\_\_\_

3 VOLUMES (gals): \_\_\_\_\_

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

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Dissolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.82	1104	160	7.17	261.7	22.40	2.11	-46.8	gray	0.0	-
7.75	1109	160	7.17	260.4	22.16	1.87	-20.2	gray	-0.4	-
7.76	1114	180	7.11	261.0	22.30	1.79	5.0	gray	-0.4	-
7.76	1119	180	7.11	261.2	22.36	1.59	18.0	gray	-0.5	-
7.76	1124	180	7.11	261.5	22.40	1.70	29.2	gray	-0.5	-

Total Gallons Purged: 2.5

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

**WELL SAMPLING:**

DTW at Time of Sampling: 7.76

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:**

- DTW dropped during removal of sampling tube. Slowly recovered as purging began.

# 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: 10/2/08

SAMPLE TIME: 1520

SAMPLE DATE: 10/2/08

PERSONNEL: N. C. Han

INITIAL DTW (ft): 7.49

DEPTH TO BOTTOM (ft): 26.5

WELL DIAM. (in): 2"

PUMP INTAKE DEPTH (ft): \_\_\_\_\_

3 VOLUMES (gals): \_\_\_\_\_

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

PURGE LOG: \_\_\_\_\_ (circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Dissolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.82	1451	210	7.23	119.0	20.59	3.11	-133.3	clear	5.0	-
7.82	1456	190	7.07	129.4	20.11	2.29	-105.4	clear	2.0	-
7.82	1501	190	7.07	130.5	20.27	2.18	-103.9	clear	1.3	-
7.83	1506	190	7.06	131.3	20.18	2.11	-101.4	clear	1.4	-
7.83	1513	190	7.07	131.3	20.14	1.94	-100.1	clear	3.2	-

Total Gallons Purged: 2  
2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 7.83

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

SAMPLE ID: MW-4

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

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# 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: 10/2/08  
 SAMPLE TIME: 1330  
 SAMPLE DATE: 10/2/08  
 PERSONNEL: N. C. Han

INITIAL DTW (ft): 8.44  
 DEPTH TO BOTTOM (ft): 20.5  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.55	1306	190	6.98	154.6	22.22	2.09	-122.5	gray	42.8	-
8.55	1311	180	6.92	145.6	21.52	2.21	-99.1	gray	12.3	-
8.56	1317	180	6.93	145.0	21.44	1.49	-88.6	gray	5.7	-
8.56	1322	160	6.93	145.0	21.52	2.20	-70.7	gray	3.6	-
8.56	1327	160	6.92	145.0	21.56	2.09	-52.8	gray	3.2	-

Total Gallons Purged: 2.0

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

**WELL SAMPLING:**

DTW at Time of Sampling: 8.56

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

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# 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: 10/2/08  
 SAMPLE TIME: 1245  
 SAMPLE DATE: 10/2/08  
 PERSONNEL: N. C. H.

INITIAL DTW (ft): 8.65  
 DEPTH TO BOTTOM (ft): 20.5  
 WELL DIAM. (in): 2"  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.77	1223	190	7.40	314.2	22.99	1.62	-139.0	gray	214.8	
8.77	1228	190	7.13	315.2	23.22	1.43	-113.4	gray	63.5	
8.77	1233	190	7.09	300.7	23.35	1.38	-105.5	gray	41.7	
8.77	1238	190	7.06	297.4	23.35	1.21	-98.8	gray	24.6	
8.77	1243	190	7.04	294.2	23.42	1.23	-91.0	gray	15.2	

Total Gallons Purged: 2.0

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

**WELL SAMPLING:**

DTW at Time of Sampling: 8.77

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

SAMPLE ID: MW-6

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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

PROJECT NAME: AB&I  
 PROJECT NO.: 01-ABI-001  
 TASK NO.: \_\_\_\_\_  
 WELL ID: MW-7  
 PURGE DATE: 10/2/08  
 SAMPLE TIME: 1425  
 SAMPLE DATE: 10/2/08  
 PERSONNEL: N. C. Carter

INITIAL DTW (ft): 7.10  
 DEPTH TO BOTTOM (ft): 20.5  
 WELL DIAM. (in): 2"  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Dissolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.20	1358	180	7.66	156.5	22.72	2.01	-182.3	gray	39.9	-
7.21	1403	180	7.64	153.6	21.20	1.52	-185.3	gray	54.5	-
7.21	1408	180	7.62	155.4	21.94	1.28	-177.7	"	71.0	-
7.21	1416	180	7.60	157.6	22.27	1.93	-172.9	"	61.6	-
7.22	1421	180	7.60	158.1	22.39	1.71	-170.6	"	25.4	-

Total Gallons Purged: 2.5

Purging Method: \_\_\_\_\_  
 Submersible Bladder Pump: \_\_\_\_\_  
 12 Volt Pump: \_\_\_\_\_  
 Peristaltic Pump: (circled)  
 Bailer: \_\_\_\_\_

**WELL SAMPLING:**

DTW at Time of Sampling: 7.22

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

SAMPLE ID: MW-7

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

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# 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: 10/2/08  
 SAMPLE TIME: 1020  
 SAMPLE DATE: 10/2/08  
 PERSONNEL: N. Cotton

INITIAL DTW (ft): 8.53  
 DEPTH TO BOTTOM (ft): 20.5  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.61	1002	170	6.98	182.7	20.38	1.46	2.5	gray	76.0	—
8.63	1007	170	6.97	183.0	20.27	0.88	4.8	gray	16.0	
8.63	1012	170	6.98	182.6	20.19	0.88	-1.1	gray	6.7	
8.63	1017	170	6.97	182.6	20.23	0.83	-3.2	gray	5.3	

Total Gallons Purged: 2.5

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

**WELL SAMPLING:**

DTW at Time of Sampling: 8.63

Sampling Method: \_\_\_\_\_  
 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: 10/3/08  
 SAMPLE TIME: 950  
 SAMPLE DATE: 10/3/08  
 PERSONNEL: N. Colton

INITIAL DTW (ft): 4.51  
 DEPTH TO BOTTOM (ft): 20.5  
 WELL DIAM. (in): 2"  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Dissolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
4.73	920	170	6.88	131.0	18.03	1.76	-134.2	gray	27.8	petroleum odor
4.73	927	170	6.92	133.0	17.96	0.80	-143.7	gray	13.6	" "
4.73	932	170	6.93	132.9	17.95	0.76	-145.5	gray	10.1	" "
4.73	937	170	6.93	132.7	17.93	0.63	-148.8	gray	4.6	" "
4.73	942	170	6.93	132.7	17.94	0.53	-149.7	gray	3.6	" "

Total Gallons Purged: 2.0

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

**WELL SAMPLING:**

DTW at Time of Sampling: 4.73

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

SAMPLE ID: MW-9

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

- Strong petroleum odor noticed during sampling

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**FIELD SAMPLING FORMS**  
**FOURTH QUARTER 2008**



# 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: 12/12/08  
 SAMPLE TIME: 1035  
 SAMPLE DATE: 12/12/08  
 PERSONNEL: N. C. Carter

INITIAL DTW (ft): 6.23  
 DEPTH TO BOTTOM (ft): 22.16  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:** \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
6.31	1013	180	7.48	1490	17.96	3.44	-143.6	clear	4.6	-
6.31	1018	170	7.44	1464	17.95	3.16	-150.1	clear	2.5	-
6.32	1023	170	7.42	1440	17.84	2.64	-147.0	clear	1.7	-
6.32	1028	170	7.40	1430	17.83	2.21	-146.3	clear	0.4	-
6.32	1033	170	7.42	1424	17.82	2.16	-137.7	clear	0.3	-

Total Gallons Purged: 2.5  
 2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 6.32

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

SAMPLE ID: MW-1

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Groundwater Monitoring Well Field Sampling Form

**The Source Group, Inc.**

PROJECT NAME: AB&I  
 PROJECT NO.: 01-ABI-001  
 TASK NO.: \_\_\_\_\_  
 WELL ID: MW-2R  
 PURGE DATE: 12/12/08  
 SAMPLE TIME: 925  
 SAMPLE DATE: 12/12/08  
 PERSONNEL: N. C. H.

INITIAL DTW (ft): 3.91  
 DEPTH TO BOTTOM (ft): 22.65  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
3.96	908	160	6.97	1622	17.94	1.81	-158.0	cloudy	84.8	-
3.97	913	160	7.01	1663	18.58	1.61	-142.0	cloudy	85.4	-
3.98	918	170	7.01	1645	18.98	1.62	-126.7	cloudy	48.4	-
3.99	923	170	7.01	1554	19.28	1.53	-120.1	cloudy	24.9	-

Total Gallons Purged: 2  
 2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 3.99

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

SAMPLE ID: MW-2R

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

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# 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: 12/19/08  
 SAMPLE TIME: 1105  
 SAMPLE DATE: 12/11/08  
 PERSONNEL: N. C. Han

INITIAL DTW (ft): 6.82  
 DEPTH TO BOTTOM (ft): 21.63  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (µS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
6.84	1040	170	6.56	2798	20.21	0.76	-18.6	clear	-0.7	
7.00	1050	170	6.43	2799	20.19	0.76	-19.0	clear	-0.8	
7.00	1055	170	6.93	2799	20.62	0.61	-3.2	clear	-0.8	
7.00	1100	170	6.90	2811	20.87	0.51	0.3	clear	-1.0	

Total Gallons Purged: 2.5  
 2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 7.00

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

SAMPLE ID: MW-3

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank  Duplicate Field Blank

**COMMENTS:**

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# 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: 12/11/08  
 SAMPLE TIME: 14 34  
 SAMPLE DATE: 12/11/08  
 PERSONNEL: N. C. I...

INITIAL DTW (ft): 6.95  
 DEPTH TO BOTTOM (ft): 27.28  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:** \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.35	1416	180	7.34	739	18.23	2.48	-147.8	clear	42.1	-
7.15	1421	170	7.23	718	18.28	1.10	-150.7	clear	18.1	-
7.15	1426	170	7.23	728	18.28	1.10	-140.1	clear	-5.1	-
7.04	1431	170	7.17	723	18.35	0.72	-141.0	clear	2.8	-

Total Gallons Purged: 2  
 Purging Method: \_\_\_\_\_  
 Submersible Bladder Pump  
 12 Volt Pump  
 Peristaltic Pump  
 Bailer

**WELL SAMPLING:**  
 DTW at Time of Sampling: 7.24  
 Sampling Method: \_\_\_\_\_  
 Submersible Bladder Pump  
 12 Volt Pump  
 Peristaltic Pump  
 Bailer

SAMPLE ID: MW-4

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Groundwater Monitoring Well Field Sampling Form

**The Source Group, Inc.**

PROJECT NAME: AB&I  
 PROJECT NO.: 01-ABI-001  
 TASK NO.: \_\_\_\_\_  
 WELL ID: MW-5  
 PURGE DATE: 12/11/08  
 SAMPLE TIME: 1354  
 SAMPLE DATE: 12/11/08  
 PERSONNEL: N. C. L. H.

INITIAL DTW (ft): 7.69  
 DEPTH TO BOTTOM (ft): 22.44  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.084 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:** \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.81	1335	190	6.75	1603	19.56	0.86	-81.6	clear	66.2	-
7.76	1340	170	6.71	1591	19.33	0.71	-82.4	clear	23.4	-
7.76	1345	170	6.69	1586	19.26	0.75	-78.2	clear	13.3	-
7.76	1350	170	6.69	1586	19.19	0.60	-73.6	clear	8.4	-

Total Gallons Purged: 2  
 Purging Method: \_\_\_\_\_  
 Submersible Bladder Pump  
 12 Volt Pump  
 Peristaltic Pump  
 Bailer

**WELL SAMPLING:**  
 DTW at Time of Sampling: 7.76  
 Sampling Method: \_\_\_\_\_  
 Submersible Bladder Pump  
 12 Volt Pump  
 Peristaltic Pump  
 Bailer

SAMPLE ID: MW-5

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

IF SO, SAMPLE ID: \_\_\_\_\_ 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: 12/11/08  
 SAMPLE TIME: 1305  
 SAMPLE DATE: 12/11/08  
 PERSONNEL: N.C. I...

INITIAL DTW (ft): 7.85  
 DEPTH TO BOTTOM (ft): 22.93  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:**

(circle)

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.02	1242	160	7.04	3404	21.12	1.83	-115.1	clear	1199.4	-
8.08	1247	160	6.90	3000	21.45	3.09	-107.2	clear	173.4	-
8.08	1252	160	6.87	2953	21.57	3.31	-97.5	clear	38.2	-
8.08	1257	160	6.86	2948	21.58	2.96	-84.2	clear	62.4	-
8.08	1303	160	6.85	2946	21.62	2.88	-79.0	clear	45.0	-

Total Gallons Purged: 2.5  
 2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 8.08

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

SAMPLE ID: MW-6

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

- Tubing in well is cracked at center temporarily repaired with black tape. Replace hose during next sampling event.  
 - Some sediment observed in sample vials

# 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: 12/12/08  
 SAMPLE TIME: 1120  
 SAMPLE DATE: 12/12/08  
 PERSONNEL: A.C. / H.

INITIAL DTW (ft): 6.98  
 DEPTH TO BOTTOM (ft): 22.69  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:** \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.15	1056	170	7.65	1634	17.40	1.48	-177.2	cloudy	63.6	-
7.19	1101	170	7.65	1644	17.93	0.88	-185.9	cloudy	111.0	-
7.19	1106	170	7.65	1655	18.06	0.72	-187.2	cloudy	138.2	-
7.11	1111	160	7.65	1657	17.74	0.70	-187.4	cloudy	181.0	-
7.11	1116	160	7.66	1652	17.56	0.70	-184.0	cloudy	202.0	-

Total Gallons Purged: 2.8  
 2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: 7.11

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

SAMPLE ID: MW-7

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

Turbidity high. could not get to lower after 25 min purging and > 2.5 gallons purged. collected sample.

# 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: 12/11/08

SAMPLE TIME: 1300

SAMPLE DATE: 12/11/08

PERSONNEL: N. C. Itz

INITIAL DTW (ft): 7.90

DEPTH TO BOTTOM (ft): 22.68

WELL DIAM. (in): 2

PUMP INTAKE DEPTH (ft): \_\_\_\_\_

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

PURGE LOG: \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC ( $\mu$ S/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
8.01	1140	170	6.87	2079	18.82	0.68	-14.3	clear	2.58	-
8.02	1145	170	6.75	2067	19.14	0.51	-10.3	clear	15.7	-
8.02	1150	170	6.73	2059	19.13	0.45	25.0	clear	7.7	-
8.02	1155									

Total Gallons Purged: 2

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

**WELL SAMPLING:**

DTW at Time of Sampling: 8.02

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: 12/11/08  
 SAMPLE TIME: 1535  
 SAMPLE DATE: 12/11/08  
 PERSONNEL: N. C. H. m

INITIAL DTW (ft): 4.20  
 DEPTH TO BOTTOM (ft): 22.68  
 WELL DIAM. (in): 2  
 PUMP INTAKE DEPTH (ft): \_\_\_\_\_  
 3 VOLUMES (gals): \_\_\_\_\_  
h\*3\*0.064 (1.25"); h\*3\*0.16 (2"); h\*3\*0.26 (2.5");  
 h\*3\*0.38 (3"); h\*3\*0.65 (4"); h\*3\*1.5 (6")

**PURGE LOG:** \_\_\_\_\_ (circle) \_\_\_\_\_ (check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (mS/cm)	Temp. (C)	Disolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
4.35	1512	170	6.96	1594	17.24	3.58	-197.0	clear	22.0	petroleum odor
4.36	1518	170	6.89	1615	17.50	2.19	-194.8	clear	14.3	" "
4.40	1524	160	6.92	1610	17.55	1.66	-192.8	clear	7.0	" "
4.40	1529	160	6.93	1609	17.54	1.37	-191.6	clear	3.3	" "
4.40	1534	160	6.89	1610	17.54	1.28	-189.1	clear	2.6	" "

Total Gallons Purged: 2  
 2"

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

**WELL SAMPLING:**

DTW at Time of Sampling: —

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

SAMPLE ID: MW-9

**QA/QC SAMPLING:**

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

IF SO, SAMPLE ID: \_\_\_\_\_ TYPE: Rinsate Blank Duplicate Field Blank

**COMMENTS:**

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**APPENDIX C**

**LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY RECORDS**

**THIRD QUARTER AND FOURTH QUARTER 2008**

December 01, 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.: 101423

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

Attention: Kent Reynolds

Enclosed are the results for sample(s) received on October 04, 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 addendum report. Please incorporate with documentation previously submitted.

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,

A handwritten signature in black ink, appearing to read "Eddie F. Rodriguez".

Eddie F. Rodriguez  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.





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**CLIENT:** The Source Group Inc.  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab Order:** 101423

**CASE NARRATIVE**

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Analytical Comments for EPA 8015B (GRO)

For samples 101423-001A, 101423-003B and 101423-005B, 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**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-001A

**Client Sample ID:** MW-8  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Dibromochloromethane	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Dibromomethane	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Dichlorodifluoromethane	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Ethylbenzene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Hexachlorobutadiene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Isopropylbenzene	5.2	5.0	µg/L	10	10/9/2008 11:09 PM	
m,p-Xylene	ND	10	µg/L	10	10/9/2008 11:09 PM	
Methylene chloride	ND	10	µg/L	10	10/9/2008 11:09 PM	
n-Butylbenzene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
n-Propylbenzene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Naphthalene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
o-Xylene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
sec-Butylbenzene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Styrene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
tert-Butylbenzene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Tetrachloroethene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Toluene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
trans-1,2-Dichloroethene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Trichloroethene	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Trichlorofluoromethane	ND	5.0	µg/L	10	10/9/2008 11:09 PM	
Vinyl chloride	16	5.0	µg/L	10	10/9/2008 11:09 PM	
Surr: 1,2-Dichloroethane-d4	81.3	70-130	%REC	10	10/9/2008 11:09 PM	
Surr: 1,2-Dichloroethane-d4	83.5	70-130	%REC	20	10/9/2008 01:55 AM	
Surr: 4-Bromofluorobenzene	82.6	70-130	%REC	10	10/9/2008 11:09 PM	
Surr: 4-Bromofluorobenzene	78.8	70-130	%REC	20	10/9/2008 01:55 AM	
Surr: Dibromofluoromethane	93.2	70-130	%REC	10	10/9/2008 11:09 PM	
Surr: Dibromofluoromethane	98.6	70-130	%REC	20	10/9/2008 01:55 AM	
Surr: Toluene-d8	97.3	70-130	%REC	20	10/9/2008 01:55 AM	
Surr: Toluene-d8	98.0	70-130	%REC	10	10/9/2008 11:09 PM	

<b>Qualifiers:</b>	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



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-001B

**Client Sample ID:** MW-8  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	2.1	0.050	mg/L	1	10/8/2008 01:08 PM
Surr: Bromofluorobenzene (FID)	107	71-130	%REC	1	10/8/2008 01:08 PM

<b>Qualifiers:</b>	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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-001C

**Client Sample ID:** MW-8  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>			<b>EPA 8015B</b>		
RunID: GC16_081009I	QC Batch: 49356			PrepDate: 10/9/2008		Analyst: CBR
DRO	ND	0.050		mg/L	1	10/10/2008 07:01 AM
Surr: p-Terphenyl	78.8	35-131		%REC	1	10/10/2008 07:01 AM

<b>Qualifiers:</b>	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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-002A

**Client Sample ID:** MW-98  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,1,1-Trichloroethane	2000	10	µg/L	20	10/9/2008 02:37 AM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,1,2-Trichloroethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,1-Dichloroethane	1200	10	µg/L	20	10/9/2008 02:37 AM	
1,1-Dichloroethene	2100	50	µg/L	100	10/9/2008 11:50 PM	
1,1-Dichloropropene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2,3-Trichloropropane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2-Dibromoethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2-Dichlorobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2-Dichloroethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,2-Dichloropropane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,3-Dichlorobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,3-Dichloropropane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
1,4-Dichlorobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
2,2-Dichloropropane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
2-Chlorotoluene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
4-Chlorotoluene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
4-Isopropyltoluene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Benzene	3.1	5.0	µg/L	10	10/9/2008 11:30 PM	
Bromobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Bromodichloromethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Bromoform	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Bromomethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Carbon tetrachloride	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Chlorobenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Chloroethane	390	5.0	µg/L	10	10/9/2008 11:30 PM	
Chloroform	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Chloromethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-002A

**Client Sample ID:** MW-98  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Dibromochloromethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Dibromomethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Dichlorodifluoromethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Ethylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Hexachlorobutadiene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Isopropylbenzene	6.0	5.0	µg/L	10	10/9/2008 11:30 PM	
m,p-Xylene	ND	10	µg/L	10	10/9/2008 11:30 PM	
Methylene chloride	ND	10	µg/L	10	10/9/2008 11:30 PM	
n-Butylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
n-Propylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Naphthalene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
o-Xylene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
sec-Butylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Styrene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
tert-Butylbenzene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Tetrachloroethene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Toluene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
trans-1,2-Dichloroethene	2.9	5.0	µg/L	10	10/9/2008 11:30 PM	
Trichloroethene	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Trichlorofluoromethane	ND	5.0	µg/L	10	10/9/2008 11:30 PM	
Vinyl chloride	20	5.0	µg/L	10	10/9/2008 11:30 PM	
Surr: 1,2-Dichloroethane-d4	82.3	70-130	%REC	10	10/9/2008 11:30 PM	
Surr: 1,2-Dichloroethane-d4	82.7	70-130	%REC	100	10/9/2008 11:50 PM	
Surr: 1,2-Dichloroethane-d4	83.6	70-130	%REC	20	10/9/2008 02:37 AM	
Surr: 4-Bromofluorobenzene	82.1	70-130	%REC	10	10/9/2008 11:30 PM	
Surr: 4-Bromofluorobenzene	80.6	70-130	%REC	100	10/9/2008 11:50 PM	
Surr: 4-Bromofluorobenzene	80.1	70-130	%REC	20	10/9/2008 02:37 AM	
Surr: Dibromofluoromethane	93.5	70-130	%REC	10	10/9/2008 11:30 PM	
Surr: Dibromofluoromethane	98.3	70-130	%REC	20	10/9/2008 02:37 AM	
Surr: Dibromofluoromethane	94.9	70-130	%REC	100	10/9/2008 11:50 PM	
Surr: Toluene-d8	97.8	70-130	%REC	100	10/9/2008 11:50 PM	
Surr: Toluene-d8	98.4	70-130	%REC	10	10/9/2008 11:30 PM	
Surr: Toluene-d8	98.8	70-130	%REC	20	10/9/2008 02:37 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-002B

**Client Sample ID:** MW-98  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

---

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	2.0	0.050	mg/L	1	10/8/2008 01:38 PM
Surr: Bromofluorobenzene (FID)	104	71-130	%REC	1	10/8/2008 01:38 PM

---

<b>Qualifiers:</b>	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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-002C

**Client Sample ID:** MW-98  
**Collection Date:** 10/2/2008 10:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>				<b>EPA 8015B</b>	
RunID: GC16_081009I	QC Batch: 49356				PrepDate: 10/9/2008	Analyst: CBR
DRO	ND	0.050		mg/L	1	10/10/2008 06:35 AM
Surr: p-Terphenyl	76.5	35-131		%REC	1	10/10/2008 06:35 AM

<b>Qualifiers:</b>	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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-003A

**Client Sample ID:** MW-3  
**Collection Date:** 10/2/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,1,1-Trichloroethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,1,2-Trichloroethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,1-Dichloroethane	190	2.5	µg/L	5	10/9/2008 03:19 AM	
1,1-Dichloroethene	1000	25	µg/L	50	10/10/2008 12:11 AM	
1,1-Dichloropropene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2,3-Trichlorobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2,3-Trichloropropane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2,4-Trichlorobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2,4-Trimethylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2-Dibromo-3-chloropropane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2-Dibromoethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2-Dichlorobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2-Dichloroethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,2-Dichloropropane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,3,5-Trimethylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,3-Dichlorobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,3-Dichloropropane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
1,4-Dichlorobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
2,2-Dichloropropane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
2-Chlorotoluene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
4-Chlorotoluene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
4-Isopropyltoluene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Benzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Bromobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Bromodichloromethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Bromoform	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Bromomethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Carbon tetrachloride	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Chlorobenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Chloroethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Chloroform	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Chloromethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
cis-1,2-Dichloroethene	7.6	2.5	µg/L	5	10/9/2008 03:19 AM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-003A

**Client Sample ID:** MW-3  
**Collection Date:** 10/2/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Dibromochloromethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Dibromomethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Dichlorodifluoromethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Ethylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Hexachlorobutadiene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Isopropylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
m,p-Xylene	ND	5.0	µg/L	5	10/9/2008 03:19 AM	
Methylene chloride	ND	5.0	µg/L	5	10/9/2008 03:19 AM	
n-Butylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
n-Propylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Naphthalene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
o-Xylene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
sec-Butylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Styrene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
tert-Butylbenzene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Tetrachloroethene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Toluene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
trans-1,2-Dichloroethene	1.5	2.5	J µg/L	5	10/9/2008 03:19 AM	
Trichloroethene	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Trichlorofluoromethane	ND	2.5	µg/L	5	10/9/2008 03:19 AM	
Vinyl chloride	9.6	2.5	µg/L	5	10/9/2008 03:19 AM	
Surr: 1,2-Dichloroethane-d4	85.6	70-130	%REC	5	10/9/2008 03:19 AM	
Surr: 1,2-Dichloroethane-d4	82.8	70-130	%REC	50	10/10/2008 12:11 AM	
Surr: 4-Bromofluorobenzene	79.4	70-130	%REC	5	10/9/2008 03:19 AM	
Surr: 4-Bromofluorobenzene	80.8	70-130	%REC	50	10/10/2008 12:11 AM	
Surr: Dibromofluoromethane	99.7	70-130	%REC	5	10/9/2008 03:19 AM	
Surr: Dibromofluoromethane	94.4	70-130	%REC	50	10/10/2008 12:11 AM	
Surr: Toluene-d8	98.6	70-130	%REC	50	10/10/2008 12:11 AM	
Surr: Toluene-d8	98.0	70-130	%REC	5	10/9/2008 03:19 AM	

<b>Qualifiers:</b>	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



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-003B

**Client Sample ID:** MW-3  
**Collection Date:** 10/2/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC1_081008A	QC Batch: D08VW151				PrepDate:	Analyst: DDL
GRO	0.50	0.050		mg/L	1	10/8/2008 02:08 PM
Surr: Bromofluorobenzene (FID)	102	71-130		%REC	1	10/8/2008 02:08 PM

<b>Qualifiers:</b>	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



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-003C

**Client Sample ID:** MW-3  
**Collection Date:** 10/2/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>			<b>EPA 8015B</b>		
RunID: GC16_081009I	QC Batch: 49356				PrepDate: 10/9/2008	Analyst: CBR
DRO	ND	0.050		mg/L	1	10/10/2008 06:43 AM
Surr: p-Terphenyl	79.3	35-131		%REC	1	10/10/2008 06:43 AM

<b>Qualifiers:</b>	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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-004A

**Client Sample ID:** MW-6  
**Collection Date:** 10/2/2008 12:45:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,1-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Benzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Bromobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Bromodichloromethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Bromoform	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Bromomethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Chlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Chloroethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Chloroform	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Chloromethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-004A

**Client Sample ID:** MW-6  
**Collection Date:** 10/2/2008 12:45:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Ethylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
m,p-Xylene	ND	1.0	µg/L	1	10/9/2008 12:51 AM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 12:51 AM	
n-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
n-Propylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Naphthalene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Styrene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Toluene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 12:51 AM	
Surr: 1,2-Dichloroethane-d4	85.1	70-130	%REC	1	10/9/2008 12:51 AM	
Surr: 4-Bromofluorobenzene	79.6	70-130	%REC	1	10/9/2008 12:51 AM	
Surr: Dibromofluoromethane	100	70-130	%REC	1	10/9/2008 12:51 AM	
Surr: Toluene-d8	98.7	70-130	%REC	1	10/9/2008 12:51 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



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-004B

**Client Sample ID:** MW-6  
**Collection Date:** 10/2/2008 12:45:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	ND	0.050	mg/L	1	10/8/2008 02:39 PM
Surr: Bromofluorobenzene (FID)	102	71-130	%REC	1	10/8/2008 02:39 PM

<b>Qualifiers:</b>	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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-004C

**Client Sample ID:** MW-6  
**Collection Date:** 10/2/2008 12:45:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B</b>			
RunID: GC16_081009I	QC Batch: 49356				PrepDate: 10/9/2008	Analyst: CBR
DRO	0.056	0.050		mg/L	1	10/10/2008 06:26 AM
Surr: p-Terphenyl	76.9	35-131		%REC	1	10/10/2008 06:26 AM

<b>Qualifiers:</b>	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



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-005A

**Client Sample ID:** MW-5  
**Collection Date:** 10/2/2008 1:30:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,1-Dichloroethane	1.2	0.50	µg/L	1	10/9/2008 01:12 AM	
1,1-Dichloroethene	0.81	0.50	µg/L	1	10/9/2008 01:12 AM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Benzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Bromobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Bromodichloromethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Bromoform	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Bromomethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Chlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Chloroethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Chloroform	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Chloromethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
cis-1,2-Dichloroethene	3.9	0.50	µg/L	1	10/9/2008 01:12 AM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-005A

**Client Sample ID:** MW-5  
**Collection Date:** 10/2/2008 1:30:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Ethylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
m,p-Xylene	ND	1.0	µg/L	1	10/9/2008 01:12 AM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 01:12 AM	
n-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
n-Propylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Naphthalene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Styrene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Toluene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
trans-1,2-Dichloroethene	1.7	0.50	µg/L	1	10/9/2008 01:12 AM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 01:12 AM	
Surr: 1,2-Dichloroethane-d4	84.2	70-130	%REC	1	10/9/2008 01:12 AM	
Surr: 4-Bromofluorobenzene	80.9	70-130	%REC	1	10/9/2008 01:12 AM	
Surr: Dibromofluoromethane	98.8	70-130	%REC	1	10/9/2008 01:12 AM	
Surr: Toluene-d8	98.6	70-130	%REC	1	10/9/2008 01:12 AM	

<b>Qualifiers:</b>	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



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-005B

**Client Sample ID:** MW-5  
**Collection Date:** 10/2/2008 1:30:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	0.054	0.050	mg/L	1	10/8/2008 03:09 PM
Surr: Bromofluorobenzene (FID)	119	71-130	%REC	1	10/8/2008 03:09 PM

<b>Qualifiers:</b>	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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-005C

**Client Sample ID:** MW-5  
**Collection Date:** 10/2/2008 1:30:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>			<b>EPA 8015B</b>		
RunID: GC16_081009I	QC Batch: 49356				PrepDate: 10/9/2008	Analyst: CBR
DRO	ND	0.050		mg/L	1	10/10/2008 07:27 AM
Surr: p-Terphenyl	75.7	35-131		%REC	1	10/10/2008 07:27 AM

<b>Qualifiers:</b>	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



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-006A

**Client Sample ID:** MW-7  
**Collection Date:** 10/2/2008 2:25:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,1-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Benzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Bromobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Bromodichloromethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Bromoform	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Bromomethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Chlorobenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Chloroethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Chloroform	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Chloromethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-006A

**Client Sample ID:** MW-7  
**Collection Date:** 10/2/2008 2:25:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Ethylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
m,p-Xylene	ND	1.0	µg/L	1	10/9/2008 01:33 AM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 01:33 AM	
n-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
n-Propylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Naphthalene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Styrene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Toluene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 01:33 AM	
Surr: 1,2-Dichloroethane-d4	85.9	70-130	%REC	1	10/9/2008 01:33 AM	
Surr: 4-Bromofluorobenzene	80.3	70-130	%REC	1	10/9/2008 01:33 AM	
Surr: Dibromofluoromethane	100	70-130	%REC	1	10/9/2008 01:33 AM	
Surr: Toluene-d8	97.8	70-130	%REC	1	10/9/2008 01:33 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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-006B

**Client Sample ID:** MW-7  
**Collection Date:** 10/2/2008 2:25:00 PM  
**Matrix:** GROUNDWATER

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	ND	0.050	mg/L	1	10/8/2008 03:39 PM
Surr: Bromofluorobenzene (FID)	100	71-130	%REC	1	10/8/2008 03:39 PM

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<b>Qualifiers:</b>	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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101423-006C

**Client Sample ID:** MW-7  
**Collection Date:** 10/2/2008 2:25:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B</b>			
RunID: GC16_081009I	QC Batch: 49356			PrepDate:	10/9/2008	Analyst: CBR
DRO	0.12	0.050		mg/L	1	10/10/2008 06:17 AM
Surr: p-Terphenyl	80.6	35-131		%REC	1	10/10/2008 06:17 AM

<b>Qualifiers:</b>	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



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**CLIENT:** The Source Group Inc.  
**Work Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 8015\_W\_DSL\_LLSGT**

Sample ID: <b>LCS-49356</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562048</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.571	0.050	1.000	0	57.1	42	118				
Surr: p-Terphenyl	0.055		0.08000		69.2	35	131				

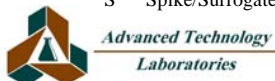
Sample ID: <b>MB-49356</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>PBW</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562049</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
Surr: p-Terphenyl	0.056		0.08000		70.1	35	131				

Sample ID: <b>MB-49356MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562050</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.589	0.050	1.000	0	58.9	42	118				
Surr: p-Terphenyl	0.059		0.08000		74.3	35	131				

Sample ID: <b>MB-49356MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562051</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.550	0.050	1.000	0	55.0	42	118	0.5889	6.75	20	
Surr: p-Terphenyl	0.053		0.08000		66.4	35	131		0	0	

**Qualifiers:**

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



**CLIENT:** The Source Group Inc.  
**Work Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_GP LL**

Sample ID: <b>D081008LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557401</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.040	0.050	1.000	0	104	69	125				
Surr: Bromofluorobenzene (FID)	106.381		100.0		106	71	130				

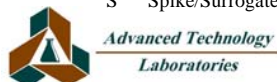
Sample ID: <b>D081008MB1MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557403</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.062	0.050	1.000	0	106	69	125				
Surr: Bromofluorobenzene (FID)	106.435		100.0		106	71	130				

Sample ID: <b>D081008MB1MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557403</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.096	0.050	1.000	0	110	69	125	1.062	3.15	20	
Surr: Bromofluorobenzene (FID)	110.940		100.0		111	71	130		0	0	

Sample ID: <b>D081008MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>PBW</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557404</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	109.197		100.0		109	71	130				

**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 | 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:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

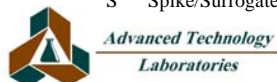
Sample ID: <b>A081008LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100376</b>	
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW269</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557416</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.040	0.50	20.00	0	90.2	70	130				
Benzene	38.330	0.50	40.00	0	95.8	70	130				
Chlorobenzene	18.960	0.50	20.00	0	94.8	70	130				
MTBE	15.840	0.50	20.00	0	79.2	70	130				
Toluene	38.150	0.50	40.00	0	95.4	70	130				
Trichloroethene	18.130	0.50	20.00	0	90.7	70	130				
Surr: 1,2-Dichloroethane-d4	21.440		25.00		85.8	70	130				
Surr: 4-Bromofluorobenzene	21.980		25.00		87.9	70	130				
Surr: Dibromofluoromethane	24.310		25.00		97.2	70	130				
Surr: Toluene-d8	24.600		25.00		98.4	70	130				

Sample ID: <b>A081008MB4MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100376</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW269</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557417</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.200	0.50	20.00	0	86.0	70	130				
Benzene	37.910	0.50	40.00	0	94.8	70	130				
Chlorobenzene	18.680	0.50	20.00	0	93.4	70	130				
Toluene	37.530	0.50	40.00	0	93.8	70	130				
Trichloroethene	17.880	0.50	20.00	0	89.4	70	130				
Surr: 1,2-Dichloroethane-d4	21.230		25.00		84.9	70	130				
Surr: 4-Bromofluorobenzene	21.820		25.00		87.3	70	130				
Surr: Dibromofluoromethane	24.050		25.00		96.2	70	130				
Surr: Toluene-d8	24.680		25.00		98.7	70	130				

Sample ID: <b>A081008MB4MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100376</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW269</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557418</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.650	0.50	20.00	0	88.2	70	130	17.20	2.58	20	

**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 | 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:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

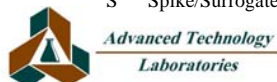
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081008MB4MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557418</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	37.450	0.50	40.00	0	93.6	70	130	37.91	1.22	20	
Chlorobenzene	18.650	0.50	20.00	0	93.3	70	130	18.68	0.161	20	
Toluene	37.250	0.50	40.00	0	93.1	70	130	37.53	0.749	20	
Trichloroethene	17.800	0.50	20.00	0	89.0	70	130	17.88	0.448	20	
Surr: 1,2-Dichloroethane-d4	20.670		25.00		82.7	70	130		0	20	
Surr: 4-Bromofluorobenzene	21.420		25.00		85.7	70	130		0	20	
Surr: Dibromofluoromethane	23.610		25.00		94.4	70	130		0	20	
Surr: Toluene-d8	24.620		25.00		98.5	70	130		0	20	

Sample ID: <b>A081008MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557419</b>						
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 |
| J Analyte detected below quantitation limits                   | 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:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

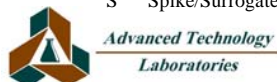
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081008MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557419</b>

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 |
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**CLIENT:** The Source Group Inc.  
**Work Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081008MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557419</b>

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	20.630		25.00		82.5	70	130				
Surr: 4-Bromofluorobenzene	19.650		25.00		78.6	70	130				
Surr: Dibromofluoromethane	24.540		25.00		98.2	70	130				
Surr: Toluene-d8	24.460		25.00		97.8	70	130				

**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 | R RPD outside accepted recovery limits               |
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*Advanced Technology  
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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**CLIENT:** The Source Group Inc.  
**Work Order:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

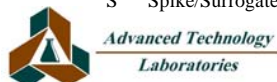
Sample ID: <b>A081009LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100427</b>	
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW271</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>				SeqNo: <b>1558313</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.200	0.50	20.00	0	101	70	130				
Benzene	40.340	0.50	40.00	0	101	70	130				
Chlorobenzene	19.350	0.50	20.00	0	96.8	70	130				
MTBE	16.140	0.50	20.00	0	80.7	70	130				
Toluene	39.230	0.50	40.00	0	98.1	70	130				
Trichloroethene	18.720	0.50	20.00	0	93.6	70	130				
Surr: 1,2-Dichloroethane-d4	20.660		25.00		82.6	70	130				
Surr: 4-Bromofluorobenzene	21.470		25.00		85.9	70	130				
Surr: Dibromofluoromethane	24.020		25.00		96.1	70	130				
Surr: Toluene-d8	24.570		25.00		98.3	70	130				

Sample ID: <b>A081009MB4MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100427</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW271</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>				SeqNo: <b>1558314</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.570	0.50	20.00	0	97.9	70	130				
Benzene	39.600	0.50	40.00	0	99.0	70	130				
Chlorobenzene	19.070	0.50	20.00	0	95.4	70	130				
Toluene	38.790	0.50	40.00	0	97.0	70	130				
Trichloroethene	18.580	0.50	20.00	0	92.9	70	130				
Surr: 1,2-Dichloroethane-d4	20.730		25.00		82.9	70	130				
Surr: 4-Bromofluorobenzene	21.730		25.00		86.9	70	130				
Surr: Dibromofluoromethane	23.970		25.00		95.9	70	130				
Surr: Toluene-d8	24.820		25.00		99.3	70	130				

Sample ID: <b>A081009MB4MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100427</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW271</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>				SeqNo: <b>1558315</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.060	0.50	20.00	0	100	70	130	19.57	2.47	20	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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| J Analyte detected below quantitation limits                   | 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:** 101423  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

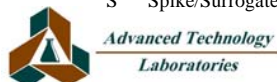
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081009MB4MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>	SeqNo: <b>1558315</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.950	0.50	40.00	0	99.9	70	130	39.60	0.880	20	
Chlorobenzene	19.340	0.50	20.00	0	96.7	70	130	19.07	1.41	20	
Toluene	38.930	0.50	40.00	0	97.3	70	130	38.79	0.360	20	
Trichloroethene	19.030	0.50	20.00	0	95.2	70	130	18.58	2.39	20	
Surr: 1,2-Dichloroethane-d4	20.680		25.00		82.7	70	130		0	20	
Surr: 4-Bromofluorobenzene	21.620		25.00		86.5	70	130		0	20	
Surr: Dibromofluoromethane	23.970		25.00		95.9	70	130		0	20	
Surr: Toluene-d8	24.490		25.00		98.0	70	130		0	20	

Sample ID: <b>A081009MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1558324</b>						
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 |
| J Analyte detected below quantitation limits                   | 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                 |





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**Work Order:** 101423  
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## ANALYTICAL QC SUMMARY REPORT

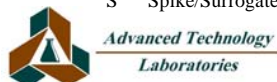
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081009MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1558324</b>

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 |
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| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out               | Calculations are based on raw values                 |



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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081009MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1558324</b>

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	20.880		25.00		83.5	70	130				
Surr: 4-Bromofluorobenzene	20.010		25.00		80.0	70	130				
Surr: Dibromofluoromethane	23.780		25.00		95.1	70	130				
Surr: Toluene-d8	24.480		25.00		97.9	70	130				

**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 | 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                 |



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

# CHAIN OF CUSTODY RECORD



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Signal Hill, CA 90755  
(562) 989-4045 • Fax (562) 989-4040

## FOR LABORATORY USE ONLY:

P.O.#: \_\_\_\_\_ Method of Transport: Client  ATL  CA OverN  FEDEX  Other: \_\_\_\_\_

Sample Condition Upon Receipt:

1. CHILLED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	4. SEALED <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
2. HEADSPACE (VOA) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	5. # OF SPLS MATCH COC <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
3. CONTAINER INTACT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	6. PRESERVED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Client: The Seaver 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 #: 01-452001 Sampler: (Printed Name) Nathan Citan (Signature) N. Citan  
 Relinquished by: (Signature and Printed Name) [Signature] Date: 10/3/08 Time: 1430 Received by: (Signature and Printed Name) Mary G... Date: 10/4/08 Time: 11:15

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Nathan Citan 10/2/08  
 Send Report To: Attn: Kent Reynolds Co: The Seaver Group Address: 3451-C Vincent Rd City: P. H. State: CA Zip: 94523  
 Bill To: Attn: \_\_\_\_\_ Co: SATUE Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Special Instructions/Comments: 0.5 ug/L reporting limits - EPP, EDF, + PDF for limits ID# T060010065

**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)

I T E M	LAB USE ONLY:		Sample Description				Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX							Container(s) # Type	PRESERVATION	REMARKS	
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	SOIL		WATER	GROUND WATER	WASTEWATER	TAT	RTNE <input type="checkbox"/>	CT <input type="checkbox"/>	SWRCB <input type="checkbox"/>				Logcode _____
		<u>101423 - 061</u>	<u>MW-8</u>	<u>10/2/08</u>	<u>1020</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<u>E</u>	<u>7</u>	<u>H</u>	
		<u>2</u>	<u>MW-98</u>		<u>1020</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>7</u>		
		<u>3</u>	<u>MW-3</u>		<u>1130</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>7</u>		
		<u>4</u>	<u>MW-6</u>		<u>1245</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>7</u>		
		<u>5</u>	<u>MW-5</u>		<u>1330</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>7</u>		
		<u>6</u>	<u>MW-7</u>		<u>1425</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>7</u>		
			<del><u>MW-4</u></del>		<del><u>1520</u></del>													

• 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=Pin J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

December 01, 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.: 101424

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

Attention: Kent Reynolds

Enclosed are the results for sample(s) received on October 04, 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 addendum report. Please incorporate with documentation previously submitted.

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,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



**CLIENT:** The Source Group Inc.  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab Order:** 101424

**CASE NARRATIVE**

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Analytical Comments for EPA 8015B (GRO)

For sample 101424-003B, sample 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**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-001A

**Client Sample ID:** MW-4  
**Collection Date:** 10/2/2008 3:20:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Ethylbenzene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
m,p-Xylene	ND	1.0	µg/L	1	10/9/2008 09:44 PM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 09:44 PM	
n-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
n-Propylbenzene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Naphthalene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Styrene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Toluene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 09:44 PM	
Surr: 1,2-Dichloroethane-d4	81.8	70-130	%REC	1	10/9/2008 09:44 PM	
Surr: 4-Bromofluorobenzene	79.0	70-130	%REC	1	10/9/2008 09:44 PM	
Surr: Dibromofluoromethane	94.2	70-130	%REC	1	10/9/2008 09:44 PM	
Surr: Toluene-d8	95.4	70-130	%REC	1	10/9/2008 09:44 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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-001B

**Client Sample ID:** MW-4  
**Collection Date:** 10/2/2008 3:20:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL	
GRO	ND	0.050 mg/L	1	10/8/2008 05:39 PM
Surr: Bromofluorobenzene (FID)	103	71-130 %REC	1	10/8/2008 05:39 PM

<b>Qualifiers:</b>	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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-001C

**Client Sample ID:** MW-4  
**Collection Date:** 10/2/2008 3:20:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>			<b>EPA 8015B</b>		
RunID: GC16_081009I	QC Batch: 49356			PrepDate: 10/9/2008		Analyst: CBR
DRO	ND	0.050		mg/L	1	10/10/2008 07:10 AM
Surr: p-Terphenyl	72.4	35-131		%REC	1	10/10/2008 07:10 AM

<b>Qualifiers:</b>	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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-002A

**Client Sample ID:** MW-9  
**Collection Date:** 10/3/2008 9:50:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,1-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,3,5-Trimethylbenzene	0.28	0.50	J µg/L	1	10/9/2008 10:26 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
4-Isopropyltoluene	1.6	0.50	µg/L	1	10/9/2008 10:26 PM	
Benzene	170	5.0	µg/L	10	10/9/2008 10:47 PM	
Bromobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Bromodichloromethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Bromoform	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Bromomethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Chlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Chloroethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Chloroform	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Chloromethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-002A

**Client Sample ID:** MW-9  
**Collection Date:** 10/3/2008 9:50:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Ethylbenzene	5.9	0.50	µg/L	1	10/9/2008 10:26 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
m,p-Xylene	1.9	1.0	µg/L	1	10/9/2008 10:26 PM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 10:26 PM	
n-Butylbenzene	2.5	0.50	µg/L	1	10/9/2008 10:26 PM	
n-Propylbenzene	29	0.50	µg/L	1	10/9/2008 10:26 PM	
Naphthalene	1.8	0.50	µg/L	1	10/9/2008 10:26 PM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
sec-Butylbenzene	2.7	0.50	µg/L	1	10/9/2008 10:26 PM	
Styrene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
tert-Butylbenzene	0.32	0.50	µg/L	1	10/9/2008 10:26 PM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Toluene	2.8	0.50	µg/L	1	10/9/2008 10:26 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 10:26 PM	
Surr: 1,2-Dichloroethane-d4	82.6	70-130	%REC	1	10/9/2008 10:26 PM	
Surr: 1,2-Dichloroethane-d4	80.6	70-130	%REC	10	10/9/2008 10:47 PM	
Surr: 4-Bromofluorobenzene	86.0	70-130	%REC	1	10/9/2008 10:26 PM	
Surr: 4-Bromofluorobenzene	83.8	70-130	%REC	10	10/9/2008 10:47 PM	
Surr: Dibromofluoromethane	93.5	70-130	%REC	1	10/9/2008 10:26 PM	
Surr: Dibromofluoromethane	91.0	70-130	%REC	10	10/9/2008 10:47 PM	
Surr: Toluene-d8	98.6	70-130	%REC	10	10/9/2008 10:47 PM	
Surr: Toluene-d8	102	70-130	%REC	1	10/9/2008 10:26 PM	

<b>Qualifiers:</b>	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



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-002B

**Client Sample ID:** MW-9  
**Collection Date:** 10/3/2008 9:50:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	3.1	0.050	mg/L	1	10/8/2008 06:09 PM
Surr: Bromofluorobenzene (FID)	109	71-130	%REC	1	10/8/2008 06:09 PM

<b>Qualifiers:</b>	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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-002C

**Client Sample ID:** MW-9  
**Collection Date:** 10/3/2008 9:50:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>			<b>EPA 8015B</b>		
RunID: GC16_081009I	QC Batch: 49356			PrepDate: 10/9/2008		Analyst: CBR
DRO	0.20	0.050		mg/L	1	10/10/2008 06:52 AM
Surr: p-Terphenyl	71.1	35-131		%REC	1	10/10/2008 06:52 AM

<b>Qualifiers:</b>	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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-003A

**Client Sample ID:** MW-2R  
**Collection Date:** 10/3/2008 10:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,1-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Benzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Bromobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Bromodichloromethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Bromoform	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Bromomethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Chlorobenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Chloroethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Chloroform	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Chloromethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-003A

**Client Sample ID:** MW-2R  
**Collection Date:** 10/3/2008 10:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081009B	QC Batch:	A08VW271	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Ethylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
m,p-Xylene	ND	1.0	µg/L	1	10/9/2008 10:05 PM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 10:05 PM	
n-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
n-Propylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Naphthalene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Styrene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Toluene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 10:05 PM	
Surr: 1,2-Dichloroethane-d4	83.6	70-130	%REC	1	10/9/2008 10:05 PM	
Surr: 4-Bromofluorobenzene	80.1	70-130	%REC	1	10/9/2008 10:05 PM	
Surr: Dibromofluoromethane	97.6	70-130	%REC	1	10/9/2008 10:05 PM	
Surr: Toluene-d8	99.0	70-130	%REC	1	10/9/2008 10:05 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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-003B

**Client Sample ID:** MW-2R  
**Collection Date:** 10/3/2008 10:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	0.071	0.050	mg/L	1	10/8/2008 06:39 PM
Surr: Bromofluorobenzene (FID)	108	71-130	%REC	1	10/8/2008 06:39 PM

<b>Qualifiers:</b>	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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-003C

**Client Sample ID:** MW-2R  
**Collection Date:** 10/3/2008 10:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>			<b>EPA 8015B</b>		
RunID: GC16_081009I	QC Batch: 49356			PrepDate: 10/9/2008		Analyst: CBR
DRO	ND	0.050		mg/L	1	10/10/2008 07:19 AM
Surr: p-Terphenyl	83.7	35-131		%REC	1	10/10/2008 07:19 AM

<b>Qualifiers:</b>	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



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**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-004A

**Client Sample ID:** MW-1  
**Collection Date:** 10/3/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,1-Dichloroethane	0.52	0.50	µg/L	1	10/9/2008 12:30 AM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Benzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Bromobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Bromodichloromethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Bromoform	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Bromomethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Chlorobenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Chloroethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Chloroform	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Chloromethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-004A

**Client Sample ID:** MW-1  
**Collection Date:** 10/3/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS11_081008B	QC Batch:	A08VW269	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Dibromochloromethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Dibromomethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Ethylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Isopropylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
m,p-Xylene	ND	1.0	µg/L	1	10/9/2008 12:30 AM	
Methylene chloride	ND	1.0	µg/L	1	10/9/2008 12:30 AM	
n-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
n-Propylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Naphthalene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
o-Xylene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Styrene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Tetrachloroethene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Toluene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Trichloroethene	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Vinyl chloride	ND	0.50	µg/L	1	10/9/2008 12:30 AM	
Surr: 1,2-Dichloroethane-d4	86.2	70-130	%REC	1	10/9/2008 12:30 AM	
Surr: 4-Bromofluorobenzene	78.4	70-130	%REC	1	10/9/2008 12:30 AM	
Surr: Dibromofluoromethane	101	70-130	%REC	1	10/9/2008 12:30 AM	
Surr: Toluene-d8	98.5	70-130	%REC	1	10/9/2008 12:30 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-004B

**Client Sample ID:** MW-1  
**Collection Date:** 10/3/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC1_081008A	QC Batch: D08VW151	PrepDate:	Analyst: DDL		
GRO	ND	0.050	mg/L	1	10/8/2008 07:09 PM
Surr: Bromofluorobenzene (FID)	102	71-130	%REC	1	10/8/2008 07:09 PM

<b>Qualifiers:</b>	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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-004C

**Client Sample ID:** MW-1  
**Collection Date:** 10/3/2008 11:30:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B</b>			
RunID: GC16_081009I	QC Batch: 49356			PrepDate: 10/9/2008		Analyst: CBR
DRO	0.14	0.050		mg/L	1	10/10/2008 07:36 AM
Surr: p-Terphenyl	94.0	35-131		%REC	1	10/10/2008 07:36 AM

<b>Qualifiers:</b>	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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-005A

**Client Sample ID:** Equipment Blank  
**Collection Date:** 10/3/2008 11:45:00 AM  
**Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS5_081008A	QC Batch:	T08VW237	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,1-Dichloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Benzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Bromobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Bromodichloromethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Bromoform	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Bromomethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Chlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Chloroethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Chloroform	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Chloromethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	

<b>Qualifiers:</b>	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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-005A

**Client Sample ID:** Equipment Blank  
**Collection Date:** 10/3/2008 11:45:00 AM  
**Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS5_081008A	QC Batch:	T08VW237	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Dibromochloromethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Dibromomethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Ethylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Isopropylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
m,p-Xylene	ND	1.0	µg/L	1	10/8/2008 03:28 PM	
Methylene chloride	ND	1.0	µg/L	1	10/8/2008 03:28 PM	
n-Butylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
n-Propylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Naphthalene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
o-Xylene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Styrene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Tetrachloroethene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Toluene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Trichloroethene	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Vinyl chloride	ND	0.50	µg/L	1	10/8/2008 03:28 PM	
Surr: 1,2-Dichloroethane-d4	121	70-130	%REC	1	10/8/2008 03:28 PM	
Surr: 4-Bromofluorobenzene	94.4	70-130	%REC	1	10/8/2008 03:28 PM	
Surr: Dibromofluoromethane	122	70-130	%REC	1	10/8/2008 03:28 PM	
Surr: Toluene-d8	109	70-130	%REC	1	10/8/2008 03:28 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc. **Client Sample ID:** Trip Blank  
**Lab Order:** 101424 **Collection Date:**  
**Project:** AB&I Foundry, 01-ABI.001 **Matrix:** WATER  
**Lab ID:** 101424-006A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS5_081008A	QC Batch:	T08VW237	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,1-Dichloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,1-Dichloroethene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2-Dibromo-3-chloropropane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
4-Isopropyltoluene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Benzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Bromobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Bromodichloromethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Bromoform	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Bromomethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Chlorobenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Chloroethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Chloroform	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Chloromethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	10/8/2008 03:48 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 16-Oct-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 101424-006A

**Client Sample ID:** Trip Blank  
**Collection Date:**  
**Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS5_081008A	QC Batch:	T08VW237	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Dibromochloromethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Dibromomethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Ethylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Isopropylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
m,p-Xylene	ND	1.0	µg/L	1	10/8/2008 03:48 PM	
Methylene chloride	ND	1.0	µg/L	1	10/8/2008 03:48 PM	
n-Butylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
n-Propylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Naphthalene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
o-Xylene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
sec-Butylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Styrene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
tert-Butylbenzene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Tetrachloroethene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Toluene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Trichloroethene	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Trichlorofluoromethane	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Vinyl chloride	ND	0.50	µg/L	1	10/8/2008 03:48 PM	
Surr: 1,2-Dichloroethane-d4	125	70-130	%REC	1	10/8/2008 03:48 PM	
Surr: 4-Bromofluorobenzene	92.9	70-130	%REC	1	10/8/2008 03:48 PM	
Surr: Dibromofluoromethane	122	70-130	%REC	1	10/8/2008 03:48 PM	
Surr: Toluene-d8	111	70-130	%REC	1	10/8/2008 03:48 PM	

<b>Qualifiers:</b>	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



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**CLIENT:** The Source Group Inc.  
**Work Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 8015\_W\_DSL\_LLSGT**

Sample ID: <b>LCS-49356</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562048</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.571	0.050	1.000	0	57.1	42	118				
Surr: p-Terphenyl	0.055		0.08000		69.2	35	131				

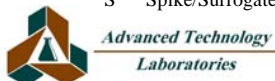
Sample ID: <b>MB-49356</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>PBW</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562049</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
Surr: p-Terphenyl	0.056		0.08000		70.1	35	131				

Sample ID: <b>MB-49356MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562050</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.589	0.050	1.000	0	58.9	42	118				
Surr: p-Terphenyl	0.059		0.08000		74.3	35	131				

Sample ID: <b>MB-49356MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>10/9/2008</b>	RunNo: <b>100598</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>49356</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1562051</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.550	0.050	1.000	0	55.0	42	118	0.5889	6.75	20	
Surr: p-Terphenyl	0.053		0.08000		66.4	35	131		0	0	

**Qualifiers:**

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



**CLIENT:** The Source Group Inc.  
**Work Order:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_GP LL**

Sample ID: <b>D081008LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557401</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.040	0.050	1.000	0	104	69	125				
Surr: Bromofluorobenzene (FID)	106.381		100.0		106	71	130				

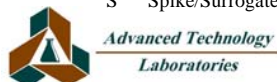
Sample ID: <b>D081008MB1MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557403</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.062	0.050	1.000	0	106	69	125				
Surr: Bromofluorobenzene (FID)	106.435		100.0		106	71	130				

Sample ID: <b>D081008MB1MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557403</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.096	0.050	1.000	0	110	69	125	1.062	3.15	20	
Surr: Bromofluorobenzene (FID)	110.940		100.0		111	71	130		0	0	

Sample ID: <b>D081008MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>100375</b>						
Client ID: <b>PBW</b>	Batch ID: <b>D08VW151</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557404</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	109.197		100.0		109	71	130				

**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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

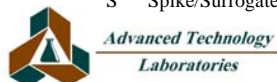
Sample ID: <b>A081008LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100376</b>	
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW269</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557416</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.040	0.50	20.00	0	90.2	70	130				
Benzene	38.330	0.50	40.00	0	95.8	70	130				
Chlorobenzene	18.960	0.50	20.00	0	94.8	70	130				
MTBE	15.840	0.50	20.00	0	79.2	70	130				
Toluene	38.150	0.50	40.00	0	95.4	70	130				
Trichloroethene	18.130	0.50	20.00	0	90.7	70	130				
Surr: 1,2-Dichloroethane-d4	21.440		25.00		85.8	70	130				
Surr: 4-Bromofluorobenzene	21.980		25.00		87.9	70	130				
Surr: Dibromofluoromethane	24.310		25.00		97.2	70	130				
Surr: Toluene-d8	24.600		25.00		98.4	70	130				

Sample ID: <b>A081008MB4MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100376</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW269</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557417</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.200	0.50	20.00	0	86.0	70	130				
Benzene	37.910	0.50	40.00	0	94.8	70	130				
Chlorobenzene	18.680	0.50	20.00	0	93.4	70	130				
Toluene	37.530	0.50	40.00	0	93.8	70	130				
Trichloroethene	17.880	0.50	20.00	0	89.4	70	130				
Surr: 1,2-Dichloroethane-d4	21.230		25.00		84.9	70	130				
Surr: 4-Bromofluorobenzene	21.820		25.00		87.3	70	130				
Surr: Dibromofluoromethane	24.050		25.00		96.2	70	130				
Surr: Toluene-d8	24.680		25.00		98.7	70	130				

Sample ID: <b>A081008MB4MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100376</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW269</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557418</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.650	0.50	20.00	0	88.2	70	130	17.20	2.58	20	

**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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

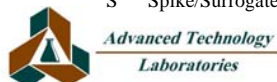
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081008MB4MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557418</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	37.450	0.50	40.00	0	93.6	70	130	37.91	1.22	20	
Chlorobenzene	18.650	0.50	20.00	0	93.3	70	130	18.68	0.161	20	
Toluene	37.250	0.50	40.00	0	93.1	70	130	37.53	0.749	20	
Trichloroethene	17.800	0.50	20.00	0	89.0	70	130	17.88	0.448	20	
Surr: 1,2-Dichloroethane-d4	20.670		25.00		82.7	70	130		0	20	
Surr: 4-Bromofluorobenzene	21.420		25.00		85.7	70	130		0	20	
Surr: Dibromofluoromethane	23.610		25.00		94.4	70	130		0	20	
Surr: Toluene-d8	24.620		25.00		98.5	70	130		0	20	

Sample ID: <b>A081008MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557419</b>						
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:**

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|--|--|--|
| 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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

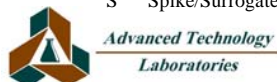
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081008MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557419</b>

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:**

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|--|--|--|
| 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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

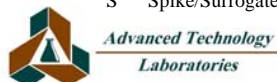
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081008MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100376</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW269</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557419</b>

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	20.630		25.00		82.5	70	130				
Surr: 4-Bromofluorobenzene	19.650		25.00		78.6	70	130				
Surr: Dibromofluoromethane	24.540		25.00		98.2	70	130				
Surr: Toluene-d8	24.460		25.00		97.8	70	130				

**Qualifiers:**

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|--|--|--|
| 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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

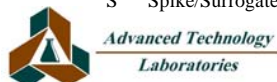
Sample ID: <b>A081009LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100427</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW271</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>		SeqNo: <b>1558313</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	20.200	0.50	20.00	0	101	70	130					
Benzene	40.340	0.50	40.00	0	101	70	130					
Chlorobenzene	19.350	0.50	20.00	0	96.8	70	130					
MTBE	16.140	0.50	20.00	0	80.7	70	130					
Toluene	39.230	0.50	40.00	0	98.1	70	130					
Trichloroethene	18.720	0.50	20.00	0	93.6	70	130					
Surr: 1,2-Dichloroethane-d4	20.660		25.00		82.6	70	130					
Surr: 4-Bromofluorobenzene	21.470		25.00		85.9	70	130					
Surr: Dibromofluoromethane	24.020		25.00		96.1	70	130					
Surr: Toluene-d8	24.570		25.00		98.3	70	130					

Sample ID: <b>A081009MB4MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100427</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW271</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>		SeqNo: <b>1558314</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	19.570	0.50	20.00	0	97.9	70	130					
Benzene	39.600	0.50	40.00	0	99.0	70	130					
Chlorobenzene	19.070	0.50	20.00	0	95.4	70	130					
Toluene	38.790	0.50	40.00	0	97.0	70	130					
Trichloroethene	18.580	0.50	20.00	0	92.9	70	130					
Surr: 1,2-Dichloroethane-d4	20.730		25.00		82.9	70	130					
Surr: 4-Bromofluorobenzene	21.730		25.00		86.9	70	130					
Surr: Dibromofluoromethane	23.970		25.00		95.9	70	130					
Surr: Toluene-d8	24.820		25.00		99.3	70	130					

Sample ID: <b>A081009MB4MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100427</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW271</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>		SeqNo: <b>1558315</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	20.060	0.50	20.00	0	100	70	130	19.57	2.47	20		

**Qualifiers:**

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| 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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

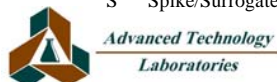
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081009MB4MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/9/2008</b>	SeqNo: <b>1558315</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.950	0.50	40.00	0	99.9	70	130	39.60	0.880	20	
Chlorobenzene	19.340	0.50	20.00	0	96.7	70	130	19.07	1.41	20	
Toluene	38.930	0.50	40.00	0	97.3	70	130	38.79	0.360	20	
Trichloroethene	19.030	0.50	20.00	0	95.2	70	130	18.58	2.39	20	
Surr: 1,2-Dichloroethane-d4	20.680		25.00		82.7	70	130		0	20	
Surr: 4-Bromofluorobenzene	21.620		25.00		86.5	70	130		0	20	
Surr: Dibromofluoromethane	23.970		25.00		95.9	70	130		0	20	
Surr: Toluene-d8	24.490		25.00		98.0	70	130		0	20	

Sample ID: <b>A081009MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1558324</b>						
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:**

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|--|--|--|
| 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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

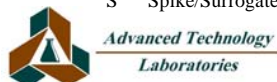
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081009MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1558324</b>

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 |
| J Analyte detected below quantitation limits                   | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

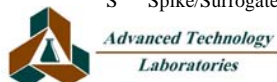
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081009MB5</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100427</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW271</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/10/2008</b>	SeqNo: <b>1558324</b>

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	20.880		25.00		83.5	70	130				
Surr: 4-Bromofluorobenzene	20.010		25.00		80.0	70	130				
Surr: Dibromofluoromethane	23.780		25.00		95.1	70	130				
Surr: Toluene-d8	24.480		25.00		97.9	70	130				

**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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

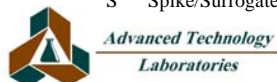
Sample ID: <b>T081008LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100354</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>T08VW237</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557260</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	22.560	0.50	20.00	0	113	70	130					
Benzene	42.700	0.50	40.00	0	107	70	130					
Chlorobenzene	19.600	0.50	20.00	0	98.0	70	130					
MTBE	25.080	0.50	20.00	0	125	70	130					
Toluene	43.270	0.50	40.00	0	108	70	130					
Trichloroethene	22.110	0.50	20.00	0	111	70	130					
Surr: 1,2-Dichloroethane-d4	30.100		25.00		120	70	130					
Surr: 4-Bromofluorobenzene	24.770		25.00		99.1	70	130					
Surr: Dibromofluoromethane	29.460		25.00		118	70	130					
Surr: Toluene-d8	27.090		25.00		108	70	130					

Sample ID: <b>T081008MB2MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100354</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>T08VW237</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557261</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	22.570	0.50	20.00	0	113	70	130					
Benzene	41.810	0.50	40.00	0	105	70	130					
Chlorobenzene	18.840	0.50	20.00	0	94.2	70	130					
Toluene	42.360	0.50	40.00	0	106	70	130					
Trichloroethene	21.950	0.50	20.00	0	110	70	130					
Surr: 1,2-Dichloroethane-d4	29.770		25.00		119	70	130					
Surr: 4-Bromofluorobenzene	25.400		25.00		102	70	130					
Surr: Dibromofluoromethane	29.910		25.00		120	70	130					
Surr: Toluene-d8	28.180		25.00		113	70	130					

Sample ID: <b>T081008MB2MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100354</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>T08VW237</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>		SeqNo: <b>1557262</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	21.150	0.50	20.00	0	106	70	130	22.57	6.50	20		

**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 | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

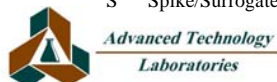
**TestCode: 8260\_WP\_LL**

Sample ID: <b>T081008MB2MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100354</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>T08VW237</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557262</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.150	0.50	40.00	0	103	70	130	41.81	1.59	20	
Chlorobenzene	18.770	0.50	20.00	0	93.8	70	130	18.84	0.372	20	
Toluene	41.400	0.50	40.00	0	104	70	130	42.36	2.29	20	
Trichloroethene	21.490	0.50	20.00	0	107	70	130	21.95	2.12	20	
Surr: 1,2-Dichloroethane-d4	29.860		25.00		119	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.840		25.00		99.4	70	130		0	20	
Surr: Dibromofluoromethane	28.200		25.00		113	70	130		0	20	
Surr: Toluene-d8	27.540		25.00		110	70	130		0	20	

Sample ID: <b>T081008MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100354</b>						
Client ID: <b>PBW</b>	Batch ID: <b>T08VW237</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557263</b>						
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 |
| J Analyte detected below quantitation limits                   | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

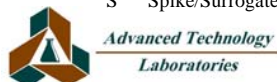
**TestCode: 8260\_WP\_LL**

Sample ID: <b>T081008MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100354</b>
Client ID: <b>PBW</b>	Batch ID: <b>T08VW237</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557263</b>

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 |
| J Analyte detected below quantitation limits                   | 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:** 101424  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>T081008MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100354</b>
Client ID: <b>PBW</b>	Batch ID: <b>T08VW237</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>10/8/2008</b>	SeqNo: <b>1557263</b>

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	30.750		25.00		123	70	130				
Surr: 4-Bromofluorobenzene	24.070		25.00		96.3	70	130				
Surr: Dibromofluoromethane	31.020		25.00		124	70	130				
Surr: Toluene-d8	27.810		25.00		111	70	130				

**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 | 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                 |



*Advanced Technology  
Laboratories*

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

# 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: 10/6/08

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

Project Name: AB+I Foundry Project #: 01-ABI-001 Sampler: Nathan Cohan (Printed Name) [Signature] (Signature)  
Relinquished by: [Signature] Date: 10/3/08 Time: 1430 Received by: [Signature] Date: 10/4/08 Time: 11:15

I hereby authorize ATL to perform the work indicated below:  
Project Mgr / Submitter: Nathan Cohan 10/3/08  
Send Report To: Attn: The Smith Group Reports  
Co: The Smith Group, Inc.  
Address: 3451-C Vincent Rd.  
City: P.H. State: CA Zip: 94523  
Bill To: Attn: SA ME  
Special Instructions/Comments: 0.5 ug/L REACTING LIMIT include EDD, EDF, & PDF formats  
HW ID# T0600100065

**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:		Sample Description			
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	
		<u>101424-001</u>	<u>MW-4</u>	<u>10/3/08</u>	<u>1520</u>	
		<u>2</u>	<u>MW-9</u>	<u>10/3/08</u>	<u>950</u>	
		<u>3</u>	<u>MW-2R</u>	<u>10/3/08</u>	<u>1030</u>	
		<u>4</u>	<u>MW-1</u>	<u>10/3/08</u>	<u>1130</u>	
		<u>5</u>	<u>Equipment Blank</u>	<u>10/3</u>	<u>1145</u>	
		<u>6</u>	<u>Trip Blank</u>			

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC				
	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#	Type	RTNE <input type="checkbox"/>	CT <input type="checkbox"/>	SWRCB <input type="checkbox"/>			Logcode _____	OTHER _____		
<u>8081A (Pesticides)</u>																
<u>8082 (PCB)</u>																
<u>8260B (Volatiles)</u>																
<u>8270C (BVA)</u>																
<u>8010B (Total Metal)</u>																
<u>8015B (GRO) / 8820 (BTEX)</u>																
<u>8021 (BTEX)</u>																
<u>TITLE: 22, CAM 17 (8010, 7000)</u>																
<u>Silica Gel Cleanup</u>																

• 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<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

December 24, 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.: 102704

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

Attention: Kent Reynolds

Enclosed are the results for sample(s) received on December 13, 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,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez  
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.





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**CLIENT:** The Source Group Inc.  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab Order:** 102704

---

**CASE NARRATIVE**

Analytical Comments for EPA 8015B (GRO)

Samples 102704-001B, 102704-002B, 102704-003B and 102704-008B contained discrete peaks within the GRO range that do not match a Gasoline pattern; however, quantitation is based on a Gasoline standard.

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.



# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-001A

**Client Sample ID:** MW-3  
**Collection Date:** 12/11/2008 11:05:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS2_081219A	QC Batch: Q08VW240	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 0.60	2.5	µg/L 5 12/19/2008 03:33 PM
1,1,1-Trichloroethane	2.2 0.70	2.5	J µg/L 5 12/19/2008 03:33 PM
1,1,2,2-Tetrachloroethane	ND 1.7	2.5	µg/L 5 12/19/2008 03:33 PM
1,1,2-Trichloroethane	ND 0.65	2.5	µg/L 5 12/19/2008 03:33 PM
1,1-Dichloroethane	200 0.60	2.5	µg/L 5 12/19/2008 03:33 PM
1,1-Dichloroethene	2000 23	50	µg/L 100 12/19/2008 03:53 PM
1,1-Dichloropropene	ND 0.85	2.5	µg/L 5 12/19/2008 03:33 PM
1,2,3-Trichlorobenzene	ND 0.55	2.5	µg/L 5 12/19/2008 03:33 PM
1,2,3-Trichloropropane	ND 1.2	2.5	µg/L 5 12/19/2008 03:33 PM
1,2,4-Trichlorobenzene	ND 0.70	2.5	µg/L 5 12/19/2008 03:33 PM
1,2,4-Trimethylbenzene	ND 0.55	2.5	µg/L 5 12/19/2008 03:33 PM
1,2-Dibromo-3-chloropropane	ND 2.0	2.5	µg/L 5 12/19/2008 03:33 PM
1,2-Dibromoethane	ND 1.0	2.5	µg/L 5 12/19/2008 03:33 PM
1,2-Dichlorobenzene	ND 0.80	2.5	µg/L 5 12/19/2008 03:33 PM
1,2-Dichloroethane	ND 0.50	2.5	µg/L 5 12/19/2008 03:33 PM
1,2-Dichloropropane	ND 0.60	2.5	µg/L 5 12/19/2008 03:33 PM
1,3,5-Trimethylbenzene	ND 0.60	2.5	µg/L 5 12/19/2008 03:33 PM
1,3-Dichlorobenzene	ND 0.80	2.5	µg/L 5 12/19/2008 03:33 PM
1,3-Dichloropropane	ND 0.45	2.5	µg/L 5 12/19/2008 03:33 PM
1,4-Dichlorobenzene	ND 0.80	2.5	µg/L 5 12/19/2008 03:33 PM
2,2-Dichloropropane	ND 0.90	2.5	µg/L 5 12/19/2008 03:33 PM
2-Chlorotoluene	ND 0.55	2.5	µg/L 5 12/19/2008 03:33 PM
4-Chlorotoluene	ND 0.70	2.5	µg/L 5 12/19/2008 03:33 PM
4-Isopropyltoluene	ND 0.60	2.5	µg/L 5 12/19/2008 03:33 PM
Benzene	ND 0.40	2.5	µg/L 5 12/19/2008 03:33 PM
Bromobenzene	ND 0.55	2.5	µg/L 5 12/19/2008 03:33 PM
Bromodichloromethane	ND 0.75	2.5	µg/L 5 12/19/2008 03:33 PM
Bromoform	ND 0.65	2.5	µg/L 5 12/19/2008 03:33 PM
Bromomethane	ND 2.1	2.5	µg/L 5 12/19/2008 03:33 PM
Carbon tetrachloride	ND 0.85	2.5	µg/L 5 12/19/2008 03:33 PM
Chlorobenzene	ND 0.45	2.5	µg/L 5 12/19/2008 03:33 PM
Chloroethane	ND 1.2	2.5	µg/L 5 12/19/2008 03:33 PM
Chloroform	ND 0.60	2.5	µg/L 5 12/19/2008 03:33 PM
Chloromethane	ND 0.70	2.5	µg/L 5 12/19/2008 03:33 PM
cis-1,2-Dichloroethene	9.4 0.65	2.5	µg/L 5 12/19/2008 03:33 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-001A

**Client Sample ID:** MW-3  
**Collection Date:** 12/11/2008 11:05:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS2_081219A</b>	QC Batch: <b>Q08VW240</b>	PrepDate:	Analyst: <b>SLL</b>
cis-1,3-Dichloropropene	ND 0.50	2.5 µg/L	5 12/19/2008 03:33 PM
Dibromochloromethane	ND 0.70	2.5 µg/L	5 12/19/2008 03:33 PM
Dibromomethane	ND 0.70	2.5 µg/L	5 12/19/2008 03:33 PM
Dichlorodifluoromethane	ND 2.3	2.5 µg/L	5 12/19/2008 03:33 PM
Ethylbenzene	ND 0.60	2.5 µg/L	5 12/19/2008 03:33 PM
Hexachlorobutadiene	ND 0.95	2.5 µg/L	5 12/19/2008 03:33 PM
Isopropylbenzene	ND 0.65	2.5 µg/L	5 12/19/2008 03:33 PM
m,p-Xylene	ND 1.2	5.0 µg/L	5 12/19/2008 03:33 PM
Methylene chloride	ND 5.0	5.0 µg/L	5 12/19/2008 03:33 PM
n-Butylbenzene	ND 0.70	2.5 µg/L	5 12/19/2008 03:33 PM
n-Propylbenzene	ND 0.60	2.5 µg/L	5 12/19/2008 03:33 PM
Naphthalene	ND 0.80	2.5 µg/L	5 12/19/2008 03:33 PM
o-Xylene	ND 0.90	2.5 µg/L	5 12/19/2008 03:33 PM
sec-Butylbenzene	ND 0.75	2.5 µg/L	5 12/19/2008 03:33 PM
Styrene	ND 0.75	2.5 µg/L	5 12/19/2008 03:33 PM
tert-Butylbenzene	ND 0.60	2.5 µg/L	5 12/19/2008 03:33 PM
Tetrachloroethene	ND 0.90	2.5 µg/L	5 12/19/2008 03:33 PM
Toluene	ND 0.85	2.5 µg/L	5 12/19/2008 03:33 PM
trans-1,2-Dichloroethene	ND 0.60	2.5 µg/L	5 12/19/2008 03:33 PM
Trichloroethene	ND 0.60	2.5 µg/L	5 12/19/2008 03:33 PM
Trichlorofluoromethane	ND 2.5	2.5 µg/L	5 12/19/2008 03:33 PM
Vinyl chloride	9.5 0.85	2.5 µg/L	5 12/19/2008 03:33 PM
Surr: 1,2-Dichloroethane-d4	91.6 0	70-130 %REC	5 12/19/2008 03:33 PM
Surr: 1,2-Dichloroethane-d4	92.2 0	70-130 %REC	100 12/19/2008 03:53 PM
Surr: 4-Bromofluorobenzene	102 0	70-130 %REC	5 12/19/2008 03:33 PM
Surr: 4-Bromofluorobenzene	99.6 0	70-130 %REC	100 12/19/2008 03:53 PM
Surr: Dibromofluoromethane	100 0	70-130 %REC	5 12/19/2008 03:33 PM
Surr: Dibromofluoromethane	100 0	70-130 %REC	100 12/19/2008 03:53 PM
Surr: Toluene-d8	107 0	70-130 %REC	100 12/19/2008 03:53 PM
Surr: Toluene-d8	105 0	70-130 %REC	5 12/19/2008 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 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



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# ANALYTICAL RESULTS

Print Date: 07-Jan-09

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-002A

**Client Sample ID:** MW-8  
**Collection Date:** 12/11/2008 12:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS2_081219A	QC Batch: Q08VW240	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
1,1,1-Trichloroethane	2000	7.0	25	µg/L	50	12/19/2008 04:55 PM
1,1,2,2-Tetrachloroethane	ND	3.4	5.0	µg/L	10	12/19/2008 04:15 PM
1,1,2-Trichloroethane	ND	1.3	5.0	µg/L	10	12/19/2008 04:15 PM
1,1-Dichloroethane	1300	6.0	25	µg/L	50	12/19/2008 04:55 PM
1,1-Dichloroethene	2000	12	25	µg/L	50	12/19/2008 04:55 PM
1,1-Dichloropropene	ND	1.7	5.0	µg/L	10	12/19/2008 04:15 PM
1,2,3-Trichlorobenzene	ND	1.1	5.0	µg/L	10	12/19/2008 04:15 PM
1,2,3-Trichloropropane	ND	2.4	5.0	µg/L	10	12/19/2008 04:15 PM
1,2,4-Trichlorobenzene	ND	1.4	5.0	µg/L	10	12/19/2008 04:15 PM
1,2,4-Trimethylbenzene	ND	1.1	5.0	µg/L	10	12/19/2008 04:15 PM
1,2-Dibromo-3-chloropropane	ND	3.9	5.0	µg/L	10	12/19/2008 04:15 PM
1,2-Dibromoethane	ND	2.0	5.0	µg/L	10	12/19/2008 04:15 PM
1,2-Dichlorobenzene	ND	1.6	5.0	µg/L	10	12/19/2008 04:15 PM
1,2-Dichloroethane	ND	1.0	5.0	µg/L	10	12/19/2008 04:15 PM
1,2-Dichloropropane	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
1,3,5-Trimethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
1,3-Dichlorobenzene	ND	1.6	5.0	µg/L	10	12/19/2008 04:15 PM
1,3-Dichloropropane	ND	0.90	5.0	µg/L	10	12/19/2008 04:15 PM
1,4-Dichlorobenzene	ND	1.6	5.0	µg/L	10	12/19/2008 04:15 PM
2,2-Dichloropropane	ND	1.8	5.0	µg/L	10	12/19/2008 04:15 PM
2-Chlorotoluene	ND	1.1	5.0	µg/L	10	12/19/2008 04:15 PM
4-Chlorotoluene	ND	1.4	5.0	µg/L	10	12/19/2008 04:15 PM
4-Isopropyltoluene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Benzene	3.0	0.80	5.0	J µg/L	10	12/19/2008 04:15 PM
Bromobenzene	ND	1.1	5.0	µg/L	10	12/19/2008 04:15 PM
Bromodichloromethane	ND	1.5	5.0	µg/L	10	12/19/2008 04:15 PM
Bromoform	ND	1.3	5.0	µg/L	10	12/19/2008 04:15 PM
Bromomethane	ND	4.2	5.0	µg/L	10	12/19/2008 04:15 PM
Carbon tetrachloride	ND	1.7	5.0	µg/L	10	12/19/2008 04:15 PM
Chlorobenzene	ND	0.90	5.0	µg/L	10	12/19/2008 04:15 PM
Chloroethane	320	2.5	5.0	µg/L	10	12/19/2008 04:15 PM
Chloroform	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Chloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:15 PM
cis-1,2-Dichloroethene	ND	1.3	5.0	µg/L	10	12/19/2008 04:15 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 07-Jan-09

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-002A

**Client Sample ID:** MW-8  
**Collection Date:** 12/11/2008 12:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS2_081219A	QC Batch: Q08VW240	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	1.0	5.0	µg/L	10	12/19/2008 04:15 PM
Dibromochloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:15 PM
Dibromomethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:15 PM
Dichlorodifluoromethane	ND	4.6	5.0	µg/L	10	12/19/2008 04:15 PM
Ethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Hexachlorobutadiene	ND	1.9	5.0	µg/L	10	12/19/2008 04:15 PM
Isopropylbenzene	6.2	1.3	5.0	µg/L	10	12/19/2008 04:15 PM
m,p-Xylene	ND	2.3	10	µg/L	10	12/19/2008 04:15 PM
Methylene chloride	ND	10	10	µg/L	10	12/19/2008 04:15 PM
n-Butylbenzene	ND	1.4	5.0	µg/L	10	12/19/2008 04:15 PM
n-Propylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Naphthalene	ND	1.6	5.0	µg/L	10	12/19/2008 04:15 PM
o-Xylene	ND	1.8	5.0	µg/L	10	12/19/2008 04:15 PM
sec-Butylbenzene	ND	1.5	5.0	µg/L	10	12/19/2008 04:15 PM
Styrene	ND	1.5	5.0	µg/L	10	12/19/2008 04:15 PM
tert-Butylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Tetrachloroethene	ND	1.8	5.0	µg/L	10	12/19/2008 04:15 PM
Toluene	ND	1.7	5.0	µg/L	10	12/19/2008 04:15 PM
trans-1,2-Dichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Trichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 04:15 PM
Trichlorofluoromethane	ND	5.0	5.0	µg/L	10	12/19/2008 04:15 PM
Vinyl chloride	15	1.7	5.0	µg/L	10	12/19/2008 04:15 PM
Surr: 1,2-Dichloroethane-d4	93.4	0	70-130	%REC	10	12/19/2008 04:15 PM
Surr: 1,2-Dichloroethane-d4	92.2	0	70-130	%REC	50	12/19/2008 04:55 PM
Surr: 4-Bromofluorobenzene	99.9	0	70-130	%REC	10	12/19/2008 04:15 PM
Surr: 4-Bromofluorobenzene	101	0	70-130	%REC	50	12/19/2008 04:55 PM
Surr: Dibromofluoromethane	100	0	70-130	%REC	10	12/19/2008 04:15 PM
Surr: Dibromofluoromethane	97.1	0	70-130	%REC	50	12/19/2008 04:55 PM
Surr: Toluene-d8	108	0	70-130	%REC	50	12/19/2008 04:55 PM
Surr: Toluene-d8	112	0	70-130	%REC	10	12/19/2008 04:15 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



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**ANALYTICAL RESULTS**

Print Date: 13-Jan-09

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-003A

**Client Sample ID:** MW-98  
**Collection Date:** 12/11/2008 12:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS2_081219A	QC Batch: Q08VW240	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
1,1,1-Trichloroethane	2400	7.0	25	µg/L	50	12/19/2008 05:15 PM
1,1,2,2-Tetrachloroethane	ND	3.4	5.0	µg/L	10	12/19/2008 04:35 PM
1,1,2-Trichloroethane	ND	1.3	5.0	µg/L	10	12/19/2008 04:35 PM
1,1-Dichloroethane	1500	6.0	25	µg/L	50	12/19/2008 05:15 PM
1,1-Dichloroethene	2300	12	25	µg/L	50	12/19/2008 05:15 PM
1,1-Dichloropropene	ND	1.7	5.0	µg/L	10	12/19/2008 04:35 PM
1,2,3-Trichlorobenzene	ND	1.1	5.0	µg/L	10	12/19/2008 04:35 PM
1,2,3-Trichloropropane	ND	2.4	5.0	µg/L	10	12/19/2008 04:35 PM
1,2,4-Trichlorobenzene	ND	1.4	5.0	µg/L	10	12/19/2008 04:35 PM
1,2,4-Trimethylbenzene	ND	1.1	5.0	µg/L	10	12/19/2008 04:35 PM
1,2-Dibromo-3-chloropropane	ND	3.9	5.0	µg/L	10	12/19/2008 04:35 PM
1,2-Dibromoethane	ND	2.0	5.0	µg/L	10	12/19/2008 04:35 PM
1,2-Dichlorobenzene	ND	1.6	5.0	µg/L	10	12/19/2008 04:35 PM
1,2-Dichloroethane	ND	1.0	5.0	µg/L	10	12/19/2008 04:35 PM
1,2-Dichloropropane	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
1,3,5-Trimethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
1,3-Dichlorobenzene	ND	1.6	5.0	µg/L	10	12/19/2008 04:35 PM
1,3-Dichloropropane	ND	0.90	5.0	µg/L	10	12/19/2008 04:35 PM
1,4-Dichlorobenzene	ND	1.6	5.0	µg/L	10	12/19/2008 04:35 PM
2,2-Dichloropropane	ND	1.8	5.0	µg/L	10	12/19/2008 04:35 PM
2-Chlorotoluene	ND	1.1	5.0	µg/L	10	12/19/2008 04:35 PM
4-Chlorotoluene	ND	1.4	5.0	µg/L	10	12/19/2008 04:35 PM
4-Isopropyltoluene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Benzene	2.5	0.80	5.0	J µg/L	10	12/19/2008 04:35 PM
Bromobenzene	ND	1.1	5.0	µg/L	10	12/19/2008 04:35 PM
Bromodichloromethane	ND	1.5	5.0	µg/L	10	12/19/2008 04:35 PM
Bromoform	ND	1.3	5.0	µg/L	10	12/19/2008 04:35 PM
Bromomethane	ND	4.2	5.0	µg/L	10	12/19/2008 04:35 PM
Carbon tetrachloride	ND	1.7	5.0	µg/L	10	12/19/2008 04:35 PM
Chlorobenzene	ND	0.90	5.0	µg/L	10	12/19/2008 04:35 PM
Chloroethane	230	2.5	5.0	µg/L	10	12/19/2008 04:35 PM
Chloroform	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Chloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:35 PM
cis-1,2-Dichloroethene	ND	1.3	5.0	µg/L	10	12/19/2008 04:35 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



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-003A

**Client Sample ID:** MW-98  
**Collection Date:** 12/11/2008 12:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: <b>MS2_081219A</b>	QC Batch: <b>Q08VW240</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	1.0	5.0	µg/L	10	12/19/2008 04:35 PM
Dibromochloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:35 PM
Dibromomethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:35 PM
Dichlorodifluoromethane	ND	4.6	5.0	µg/L	10	12/19/2008 04:35 PM
Ethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Hexachlorobutadiene	ND	1.9	5.0	µg/L	10	12/19/2008 04:35 PM
Isopropylbenzene	4.9	1.3	5.0	J µg/L	10	12/19/2008 04:35 PM
m,p-Xylene	ND	2.3	10	µg/L	10	12/19/2008 04:35 PM
Methylene chloride	ND	10	10	µg/L	10	12/19/2008 04:35 PM
n-Butylbenzene	ND	1.4	5.0	µg/L	10	12/19/2008 04:35 PM
n-Propylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Naphthalene	ND	1.6	5.0	µg/L	10	12/19/2008 04:35 PM
o-Xylene	ND	1.8	5.0	µg/L	10	12/19/2008 04:35 PM
sec-Butylbenzene	ND	1.5	5.0	µg/L	10	12/19/2008 04:35 PM
Styrene	ND	1.5	5.0	µg/L	10	12/19/2008 04:35 PM
tert-Butylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Tetrachloroethene	ND	1.8	5.0	µg/L	10	12/19/2008 04:35 PM
Toluene	ND	1.7	5.0	µg/L	10	12/19/2008 04:35 PM
trans-1,2-Dichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Trichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 04:35 PM
Trichlorofluoromethane	ND	5.0	5.0	µg/L	10	12/19/2008 04:35 PM
Vinyl chloride	12	1.7	5.0	µg/L	10	12/19/2008 04:35 PM
Surr: 1,2-Dichloroethane-d4	95.8	0	70-130	%REC	10	12/19/2008 04:35 PM
Surr: 1,2-Dichloroethane-d4	91.5	0	70-130	%REC	50	12/19/2008 05:15 PM
Surr: 4-Bromofluorobenzene	104	0	70-130	%REC	10	12/19/2008 04:35 PM
Surr: 4-Bromofluorobenzene	103	0	70-130	%REC	50	12/19/2008 05:15 PM
Surr: Dibromofluoromethane	103	0	70-130	%REC	10	12/19/2008 04:35 PM
Surr: Dibromofluoromethane	99.6	0	70-130	%REC	50	12/19/2008 05:15 PM
Surr: Toluene-d8	106	0	70-130	%REC	50	12/19/2008 05:15 PM
Surr: Toluene-d8	111	0	70-130	%REC	10	12/19/2008 04:35 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-004A

**Client Sample ID:** MW-6  
**Collection Date:** 12/11/2008 1:05:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS11_081219A	QC Batch: A08VW353	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 1.2	5.0	µg/L 10 12/19/2008 02:32 PM
1,1,1-Trichloroethane	ND 1.4	5.0	µg/L 10 12/19/2008 02:32 PM
1,1,2,2-Tetrachloroethane	ND 3.4	5.0	µg/L 10 12/19/2008 02:32 PM
1,1,2-Trichloroethane	ND 1.3	5.0	µg/L 10 12/19/2008 02:32 PM
1,1-Dichloroethane	ND 1.2	5.0	µg/L 10 12/19/2008 02:32 PM
1,1-Dichloroethene	ND 2.3	5.0	µg/L 10 12/19/2008 02:32 PM
1,1-Dichloropropene	ND 1.7	5.0	µg/L 10 12/19/2008 02:32 PM
1,2,3-Trichlorobenzene	ND 1.1	5.0	µg/L 10 12/19/2008 02:32 PM
1,2,3-Trichloropropane	ND 2.4	5.0	µg/L 10 12/19/2008 02:32 PM
1,2,4-Trichlorobenzene	ND 1.4	5.0	µg/L 10 12/19/2008 02:32 PM
1,2,4-Trimethylbenzene	ND 1.1	5.0	µg/L 10 12/19/2008 02:32 PM
1,2-Dibromo-3-chloropropane	ND 3.9	5.0	µg/L 10 12/19/2008 02:32 PM
1,2-Dibromoethane	ND 2.0	5.0	µg/L 10 12/19/2008 02:32 PM
1,2-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 02:32 PM
1,2-Dichloroethane	ND 1.0	5.0	µg/L 10 12/19/2008 02:32 PM
1,2-Dichloropropane	ND 1.2	5.0	µg/L 10 12/19/2008 02:32 PM
1,3,5-Trimethylbenzene	ND 1.2	5.0	µg/L 10 12/19/2008 02:32 PM
1,3-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 02:32 PM
1,3-Dichloropropane	ND 0.90	5.0	µg/L 10 12/19/2008 02:32 PM
1,4-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 02:32 PM
2,2-Dichloropropane	ND 1.8	5.0	µg/L 10 12/19/2008 02:32 PM
2-Chlorotoluene	ND 1.1	5.0	µg/L 10 12/19/2008 02:32 PM
4-Chlorotoluene	ND 1.4	5.0	µg/L 10 12/19/2008 02:32 PM
4-Isopropyltoluene	ND 1.2	5.0	µg/L 10 12/19/2008 02:32 PM
Benzene	ND 0.80	5.0	µg/L 10 12/19/2008 02:32 PM
Bromobenzene	ND 1.1	5.0	µg/L 10 12/19/2008 02:32 PM
Bromodichloromethane	ND 1.5	5.0	µg/L 10 12/19/2008 02:32 PM
Bromoform	ND 1.3	5.0	µg/L 10 12/19/2008 02:32 PM
Bromomethane	ND 4.2	5.0	µg/L 10 12/19/2008 02:32 PM
Carbon tetrachloride	ND 1.7	5.0	µg/L 10 12/19/2008 02:32 PM
Chlorobenzene	ND 0.90	5.0	µg/L 10 12/19/2008 02:32 PM
Chloroethane	ND 2.5	5.0	µg/L 10 12/19/2008 02:32 PM
Chloroform	ND 1.2	5.0	µg/L 10 12/19/2008 02:32 PM
Chloromethane	ND 1.4	5.0	µg/L 10 12/19/2008 02:32 PM
cis-1,2-Dichloroethene	ND 1.3	5.0	µg/L 10 12/19/2008 02:32 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-004A

**Client Sample ID:** MW-6  
**Collection Date:** 12/11/2008 1:05:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	1.0	5.0	µg/L	10	12/19/2008 02:32 PM
Dibromochloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 02:32 PM
Dibromomethane	ND	1.4	5.0	µg/L	10	12/19/2008 02:32 PM
Dichlorodifluoromethane	ND	4.6	5.0	µg/L	10	12/19/2008 02:32 PM
Ethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 02:32 PM
Hexachlorobutadiene	ND	1.9	5.0	µg/L	10	12/19/2008 02:32 PM
Isopropylbenzene	ND	1.3	5.0	µg/L	10	12/19/2008 02:32 PM
m,p-Xylene	ND	2.3	10	µg/L	10	12/19/2008 02:32 PM
Methylene chloride	ND	10	10	µg/L	10	12/22/2008 02:41 PM
n-Butylbenzene	ND	1.4	5.0	µg/L	10	12/19/2008 02:32 PM
n-Propylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 02:32 PM
Naphthalene	ND	1.6	5.0	µg/L	10	12/19/2008 02:32 PM
o-Xylene	ND	1.8	5.0	µg/L	10	12/19/2008 02:32 PM
sec-Butylbenzene	ND	1.5	5.0	µg/L	10	12/19/2008 02:32 PM
Styrene	ND	1.5	5.0	µg/L	10	12/19/2008 02:32 PM
tert-Butylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 02:32 PM
Tetrachloroethene	ND	1.8	5.0	µg/L	10	12/19/2008 02:32 PM
Toluene	ND	1.7	5.0	µg/L	10	12/19/2008 02:32 PM
trans-1,2-Dichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 02:32 PM
Trichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 02:32 PM
Trichlorofluoromethane	ND	5.0	5.0	µg/L	10	12/19/2008 02:32 PM
Vinyl chloride	ND	1.7	5.0	µg/L	10	12/19/2008 02:32 PM
Surr: 1,2-Dichloroethane-d4	109	0	70-130	%REC	10	12/19/2008 02:32 PM
Surr: 1,2-Dichloroethane-d4	113	0	70-130	%REC	10	12/22/2008 02:41 PM
Surr: 4-Bromofluorobenzene	89.4	0	70-130	%REC	10	12/19/2008 02:32 PM
Surr: 4-Bromofluorobenzene	91.8	0	70-130	%REC	10	12/22/2008 02:41 PM
Surr: Dibromofluoromethane	111	0	70-130	%REC	10	12/22/2008 02:41 PM
Surr: Dibromofluoromethane	104	0	70-130	%REC	10	12/19/2008 02:32 PM
Surr: Toluene-d8	107	0	70-130	%REC	10	12/22/2008 02:41 PM
Surr: Toluene-d8	104	0	70-130	%REC	10	12/19/2008 02:32 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-005A

**Client Sample ID:** MW-5  
**Collection Date:** 12/11/2008 1:54:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS11_081219A	QC Batch: A08VW353	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 02:53 PM
1,1,1-Trichloroethane	ND 0.14	0.50	µg/L 1 12/19/2008 02:53 PM
1,1,2,2-Tetrachloroethane	ND 0.34	0.50	µg/L 1 12/19/2008 02:53 PM
1,1,2-Trichloroethane	ND 0.13	0.50	µg/L 1 12/19/2008 02:53 PM
1,1-Dichloroethane	1.6 0.12	0.50	µg/L 1 12/19/2008 02:53 PM
1,1-Dichloroethene	0.76 0.23	0.50	µg/L 1 12/19/2008 02:53 PM
1,1-Dichloropropene	ND 0.17	0.50	µg/L 1 12/19/2008 02:53 PM
1,2,3-Trichlorobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 02:53 PM
1,2,3-Trichloropropane	ND 0.24	0.50	µg/L 1 12/19/2008 02:53 PM
1,2,4-Trichlorobenzene	ND 0.14	0.50	µg/L 1 12/19/2008 02:53 PM
1,2,4-Trimethylbenzene	ND 0.11	0.50	µg/L 1 12/19/2008 02:53 PM
1,2-Dibromo-3-chloropropane	ND 0.39	0.50	µg/L 1 12/19/2008 02:53 PM
1,2-Dibromoethane	ND 0.20	0.50	µg/L 1 12/19/2008 02:53 PM
1,2-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 02:53 PM
1,2-Dichloroethane	ND 0.10	0.50	µg/L 1 12/19/2008 02:53 PM
1,2-Dichloropropane	ND 0.12	0.50	µg/L 1 12/19/2008 02:53 PM
1,3,5-Trimethylbenzene	ND 0.12	0.50	µg/L 1 12/19/2008 02:53 PM
1,3-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 02:53 PM
1,3-Dichloropropane	ND 0.090	0.50	µg/L 1 12/19/2008 02:53 PM
1,4-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 02:53 PM
2,2-Dichloropropane	ND 0.18	0.50	µg/L 1 12/19/2008 02:53 PM
2-Chlorotoluene	ND 0.11	0.50	µg/L 1 12/19/2008 02:53 PM
4-Chlorotoluene	ND 0.14	0.50	µg/L 1 12/19/2008 02:53 PM
4-Isopropyltoluene	ND 0.12	0.50	µg/L 1 12/19/2008 02:53 PM
Benzene	ND 0.080	0.50	µg/L 1 12/19/2008 02:53 PM
Bromobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 02:53 PM
Bromodichloromethane	ND 0.15	0.50	µg/L 1 12/19/2008 02:53 PM
Bromoform	ND 0.13	0.50	µg/L 1 12/19/2008 02:53 PM
Bromomethane	ND 0.42	0.50	µg/L 1 12/19/2008 02:53 PM
Carbon tetrachloride	ND 0.17	0.50	µg/L 1 12/19/2008 02:53 PM
Chlorobenzene	ND 0.090	0.50	µg/L 1 12/19/2008 02:53 PM
Chloroethane	ND 0.25	0.50	µg/L 1 12/19/2008 02:53 PM
Chloroform	ND 0.12	0.50	µg/L 1 12/19/2008 02:53 PM
Chloromethane	ND 0.14	0.50	µg/L 1 12/19/2008 02:53 PM
cis-1,2-Dichloroethene	3.4 0.13	0.50	µg/L 1 12/19/2008 02:53 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-005A

**Client Sample ID:** MW-5  
**Collection Date:** 12/11/2008 1:54:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	0.10	0.50	µg/L	1	12/19/2008 02:53 PM
Dibromochloromethane	ND	0.14	0.50	µg/L	1	12/19/2008 02:53 PM
Dibromomethane	ND	0.14	0.50	µg/L	1	12/19/2008 02:53 PM
Dichlorodifluoromethane	ND	0.46	0.50	µg/L	1	12/19/2008 02:53 PM
Ethylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 02:53 PM
Hexachlorobutadiene	ND	0.19	0.50	µg/L	1	12/19/2008 02:53 PM
Isopropylbenzene	ND	0.13	0.50	µg/L	1	12/19/2008 02:53 PM
m,p-Xylene	ND	0.23	1.0	µg/L	1	12/19/2008 02:53 PM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/19/2008 02:53 PM
n-Butylbenzene	ND	0.14	0.50	µg/L	1	12/19/2008 02:53 PM
n-Propylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 02:53 PM
Naphthalene	ND	0.16	0.50	µg/L	1	12/19/2008 02:53 PM
o-Xylene	ND	0.18	0.50	µg/L	1	12/19/2008 02:53 PM
sec-Butylbenzene	ND	0.15	0.50	µg/L	1	12/19/2008 02:53 PM
Styrene	ND	0.15	0.50	µg/L	1	12/19/2008 02:53 PM
tert-Butylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 02:53 PM
Tetrachloroethene	ND	0.18	0.50	µg/L	1	12/19/2008 02:53 PM
Toluene	ND	0.17	0.50	µg/L	1	12/19/2008 02:53 PM
trans-1,2-Dichloroethene	1.2	0.12	0.50	µg/L	1	12/19/2008 02:53 PM
Trichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 02:53 PM
Trichlorofluoromethane	ND	0.50	0.50	µg/L	1	12/19/2008 02:53 PM
Vinyl chloride	ND	0.17	0.50	µg/L	1	12/19/2008 02:53 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-130	%REC	1	12/19/2008 02:53 PM
Surr: 4-Bromofluorobenzene	87.4	0	70-130	%REC	1	12/19/2008 02:53 PM
Surr: Dibromofluoromethane	101	0	70-130	%REC	1	12/19/2008 02:53 PM
Surr: Toluene-d8	103	0	70-130	%REC	1	12/19/2008 02:53 PM

<b>Qualifiers:</b>	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



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# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-006A

**Client Sample ID:** MW-4  
**Collection Date:** 12/11/2008 2:34:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS11_081219A	QC Batch: A08VW353	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 03:52 PM
1,1,1-Trichloroethane	ND 0.14	0.50	µg/L 1 12/19/2008 03:52 PM
1,1,2,2-Tetrachloroethane	ND 0.34	0.50	µg/L 1 12/19/2008 03:52 PM
1,1,2-Trichloroethane	ND 0.13	0.50	µg/L 1 12/19/2008 03:52 PM
1,1-Dichloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 03:52 PM
1,1-Dichloroethene	ND 0.23	0.50	µg/L 1 12/19/2008 03:52 PM
1,1-Dichloropropene	ND 0.17	0.50	µg/L 1 12/19/2008 03:52 PM
1,2,3-Trichlorobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 03:52 PM
1,2,3-Trichloropropane	ND 0.24	0.50	µg/L 1 12/19/2008 03:52 PM
1,2,4-Trichlorobenzene	ND 0.14	0.50	µg/L 1 12/19/2008 03:52 PM
1,2,4-Trimethylbenzene	ND 0.11	0.50	µg/L 1 12/19/2008 03:52 PM
1,2-Dibromo-3-chloropropane	ND 0.39	0.50	µg/L 1 12/19/2008 03:52 PM
1,2-Dibromoethane	ND 0.20	0.50	µg/L 1 12/19/2008 03:52 PM
1,2-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 03:52 PM
1,2-Dichloroethane	ND 0.10	0.50	µg/L 1 12/19/2008 03:52 PM
1,2-Dichloropropane	ND 0.12	0.50	µg/L 1 12/19/2008 03:52 PM
1,3,5-Trimethylbenzene	ND 0.12	0.50	µg/L 1 12/19/2008 03:52 PM
1,3-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 03:52 PM
1,3-Dichloropropane	ND 0.090	0.50	µg/L 1 12/19/2008 03:52 PM
1,4-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 03:52 PM
2,2-Dichloropropane	ND 0.18	0.50	µg/L 1 12/19/2008 03:52 PM
2-Chlorotoluene	ND 0.11	0.50	µg/L 1 12/19/2008 03:52 PM
4-Chlorotoluene	ND 0.14	0.50	µg/L 1 12/19/2008 03:52 PM
4-Isopropyltoluene	ND 0.12	0.50	µg/L 1 12/19/2008 03:52 PM
Benzene	ND 0.080	0.50	µg/L 1 12/19/2008 03:52 PM
Bromobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 03:52 PM
Bromodichloromethane	ND 0.15	0.50	µg/L 1 12/19/2008 03:52 PM
Bromoform	ND 0.13	0.50	µg/L 1 12/19/2008 03:52 PM
Bromomethane	ND 0.42	0.50	µg/L 1 12/19/2008 03:52 PM
Carbon tetrachloride	ND 0.17	0.50	µg/L 1 12/19/2008 03:52 PM
Chlorobenzene	ND 0.090	0.50	µg/L 1 12/19/2008 03:52 PM
Chloroethane	ND 0.25	0.50	µg/L 1 12/19/2008 03:52 PM
Chloroform	ND 0.12	0.50	µg/L 1 12/19/2008 03:52 PM
Chloromethane	ND 0.14	0.50	µg/L 1 12/19/2008 03:52 PM
cis-1,2-Dichloroethene	ND 0.13	0.50	µg/L 1 12/19/2008 03:52 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-006A

**Client Sample ID:** MW-4  
**Collection Date:** 12/11/2008 2:34:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	0.10	0.50	µg/L	1	12/19/2008 03:52 PM
Dibromochloromethane	ND	0.14	0.50	µg/L	1	12/19/2008 03:52 PM
Dibromomethane	ND	0.14	0.50	µg/L	1	12/19/2008 03:52 PM
Dichlorodifluoromethane	ND	0.46	0.50	µg/L	1	12/19/2008 03:52 PM
Ethylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 03:52 PM
Hexachlorobutadiene	ND	0.19	0.50	µg/L	1	12/19/2008 03:52 PM
Isopropylbenzene	ND	0.13	0.50	µg/L	1	12/19/2008 03:52 PM
m,p-Xylene	ND	0.23	1.0	µg/L	1	12/19/2008 03:52 PM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/19/2008 03:52 PM
n-Butylbenzene	ND	0.14	0.50	µg/L	1	12/19/2008 03:52 PM
n-Propylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 03:52 PM
Naphthalene	ND	0.16	0.50	µg/L	1	12/19/2008 03:52 PM
o-Xylene	ND	0.18	0.50	µg/L	1	12/19/2008 03:52 PM
sec-Butylbenzene	ND	0.15	0.50	µg/L	1	12/19/2008 03:52 PM
Styrene	ND	0.15	0.50	µg/L	1	12/19/2008 03:52 PM
tert-Butylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 03:52 PM
Tetrachloroethene	ND	0.18	0.50	µg/L	1	12/19/2008 03:52 PM
Toluene	ND	0.17	0.50	µg/L	1	12/19/2008 03:52 PM
trans-1,2-Dichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 03:52 PM
Trichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 03:52 PM
Trichlorofluoromethane	ND	0.50	0.50	µg/L	1	12/19/2008 03:52 PM
Vinyl chloride	ND	0.17	0.50	µg/L	1	12/19/2008 03:52 PM
Surr: 1,2-Dichloroethane-d4	107	0	70-130	%REC	1	12/19/2008 03:52 PM
Surr: 4-Bromofluorobenzene	90.3	0	70-130	%REC	1	12/19/2008 03:52 PM
Surr: Dibromofluoromethane	107	0	70-130	%REC	1	12/19/2008 03:52 PM
Surr: Toluene-d8	103	0	70-130	%REC	1	12/19/2008 03:52 PM

<b>Qualifiers:</b>	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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-007A

**Client Sample ID:** MW-9  
**Collection Date:** 12/11/2008 3:35:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>
1,1,1,2-Tetrachloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 04:55 PM
1,1,1-Trichloroethane	ND 0.14	0.50	µg/L 1 12/19/2008 04:55 PM
1,1,2,2-Tetrachloroethane	ND 0.34	0.50	µg/L 1 12/19/2008 04:55 PM
1,1,2-Trichloroethane	ND 0.13	0.50	µg/L 1 12/19/2008 04:55 PM
1,1-Dichloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 04:55 PM
1,1-Dichloroethene	1.4 0.23	0.50	µg/L 1 12/19/2008 04:55 PM
1,1-Dichloropropene	ND 0.17	0.50	µg/L 1 12/19/2008 04:55 PM
1,2,3-Trichlorobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 04:55 PM
1,2,3-Trichloropropane	ND 0.24	0.50	µg/L 1 12/19/2008 04:55 PM
1,2,4-Trichlorobenzene	ND 0.14	0.50	µg/L 1 12/19/2008 04:55 PM
1,2,4-Trimethylbenzene	ND 0.11	0.50	µg/L 1 12/19/2008 04:55 PM
1,2-Dibromo-3-chloropropane	ND 0.39	0.50	µg/L 1 12/19/2008 04:55 PM
1,2-Dibromoethane	ND 0.20	0.50	µg/L 1 12/19/2008 04:55 PM
1,2-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 04:55 PM
1,2-Dichloroethane	ND 0.10	0.50	µg/L 1 12/19/2008 04:55 PM
1,2-Dichloropropane	ND 0.12	0.50	µg/L 1 12/19/2008 04:55 PM
1,3,5-Trimethylbenzene	ND 0.12	0.50	µg/L 1 12/19/2008 04:55 PM
1,3-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 04:55 PM
1,3-Dichloropropane	ND 0.090	0.50	µg/L 1 12/19/2008 04:55 PM
1,4-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 04:55 PM
2,2-Dichloropropane	ND 0.18	0.50	µg/L 1 12/19/2008 04:55 PM
2-Chlorotoluene	ND 0.11	0.50	µg/L 1 12/19/2008 04:55 PM
4-Chlorotoluene	ND 0.14	0.50	µg/L 1 12/19/2008 04:55 PM
4-Isopropyltoluene	1.3 0.12	0.50	µg/L 1 12/19/2008 04:55 PM
Benzene	120 0.40	2.5	µg/L 5 12/19/2008 05:16 PM
Bromobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 04:55 PM
Bromodichloromethane	ND 0.15	0.50	µg/L 1 12/19/2008 04:55 PM
Bromoform	ND 0.13	0.50	µg/L 1 12/19/2008 04:55 PM
Bromomethane	ND 0.42	0.50	µg/L 1 12/19/2008 04:55 PM
Carbon tetrachloride	ND 0.17	0.50	µg/L 1 12/19/2008 04:55 PM
Chlorobenzene	ND 0.090	0.50	µg/L 1 12/19/2008 04:55 PM
Chloroethane	ND 0.25	0.50	µg/L 1 12/19/2008 04:55 PM
Chloroform	ND 0.12	0.50	µg/L 1 12/19/2008 04:55 PM
Chloromethane	ND 0.14	0.50	µg/L 1 12/19/2008 04:55 PM
cis-1,2-Dichloroethene	ND 0.13	0.50	µg/L 1 12/19/2008 04:55 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-007A

**Client Sample ID:** MW-9  
**Collection Date:** 12/11/2008 3:35:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	0.10	0.50	µg/L	1	12/19/2008 04:55 PM
Dibromochloromethane	ND	0.14	0.50	µg/L	1	12/19/2008 04:55 PM
Dibromomethane	ND	0.14	0.50	µg/L	1	12/19/2008 04:55 PM
Dichlorodifluoromethane	ND	0.46	0.50	µg/L	1	12/19/2008 04:55 PM
Ethylbenzene	2.7	0.12	0.50	µg/L	1	12/19/2008 04:55 PM
Hexachlorobutadiene	ND	0.19	0.50	µg/L	1	12/19/2008 04:55 PM
Isopropylbenzene	19	0.13	0.50	µg/L	1	12/19/2008 04:55 PM
m,p-Xylene	1.4	0.23	1.0	µg/L	1	12/19/2008 04:55 PM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/19/2008 04:55 PM
n-Butylbenzene	1.9	0.14	0.50	µg/L	1	12/19/2008 04:55 PM
n-Propylbenzene	23	0.12	0.50	µg/L	1	12/19/2008 04:55 PM
Naphthalene	1.3	0.16	0.50	µg/L	1	12/19/2008 04:55 PM
o-Xylene	ND	0.18	0.50	µg/L	1	12/19/2008 04:55 PM
sec-Butylbenzene	2.1	0.15	0.50	µg/L	1	12/19/2008 04:55 PM
Styrene	ND	0.15	0.50	µg/L	1	12/19/2008 04:55 PM
tert-Butylbenzene	0.25	0.12	0.50	µg/L	1	12/19/2008 04:55 PM
Tetrachloroethene	ND	0.18	0.50	µg/L	1	12/19/2008 04:55 PM
Toluene	2.1	0.17	0.50	µg/L	1	12/19/2008 04:55 PM
trans-1,2-Dichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 04:55 PM
Trichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 04:55 PM
Trichlorofluoromethane	ND	0.50	0.50	µg/L	1	12/19/2008 04:55 PM
Vinyl chloride	ND	0.17	0.50	µg/L	1	12/19/2008 04:55 PM
Surr: 1,2-Dichloroethane-d4	99.2	0	70-130	%REC	1	12/19/2008 04:55 PM
Surr: 1,2-Dichloroethane-d4	99.4	0	70-130	%REC	5	12/19/2008 05:16 PM
Surr: 4-Bromofluorobenzene	97.8	0	70-130	%REC	1	12/19/2008 04:55 PM
Surr: 4-Bromofluorobenzene	94.8	0	70-130	%REC	5	12/19/2008 05:16 PM
Surr: Dibromofluoromethane	98.2	0	70-130	%REC	1	12/19/2008 04:55 PM
Surr: Dibromofluoromethane	99.3	0	70-130	%REC	5	12/19/2008 05:16 PM
Surr: Toluene-d8	106	0	70-130	%REC	5	12/19/2008 05:16 PM
Surr: Toluene-d8	109	0	70-130	%REC	1	12/19/2008 04:55 PM

<b>Qualifiers:</b>	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



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-008A

**Client Sample ID:** MW-2R  
**Collection Date:** 12/12/2008 9:25:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS11_081219A	QC Batch: A08VW353	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 04:13 PM
1,1,1-Trichloroethane	ND 0.14	0.50	µg/L 1 12/19/2008 04:13 PM
1,1,2,2-Tetrachloroethane	ND 0.34	0.50	µg/L 1 12/19/2008 04:13 PM
1,1,2-Trichloroethane	ND 0.13	0.50	µg/L 1 12/19/2008 04:13 PM
1,1-Dichloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 04:13 PM
1,1-Dichloroethene	ND 0.23	0.50	µg/L 1 12/19/2008 04:13 PM
1,1-Dichloropropene	ND 0.17	0.50	µg/L 1 12/19/2008 04:13 PM
1,2,3-Trichlorobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 04:13 PM
1,2,3-Trichloropropane	ND 0.24	0.50	µg/L 1 12/19/2008 04:13 PM
1,2,4-Trichlorobenzene	ND 0.14	0.50	µg/L 1 12/19/2008 04:13 PM
1,2,4-Trimethylbenzene	ND 0.11	0.50	µg/L 1 12/19/2008 04:13 PM
1,2-Dibromo-3-chloropropane	ND 0.39	0.50	µg/L 1 12/19/2008 04:13 PM
1,2-Dibromoethane	ND 0.20	0.50	µg/L 1 12/19/2008 04:13 PM
1,2-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 04:13 PM
1,2-Dichloroethane	ND 0.10	0.50	µg/L 1 12/19/2008 04:13 PM
1,2-Dichloropropane	ND 0.12	0.50	µg/L 1 12/19/2008 04:13 PM
1,3,5-Trimethylbenzene	ND 0.12	0.50	µg/L 1 12/19/2008 04:13 PM
1,3-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 04:13 PM
1,3-Dichloropropane	ND 0.090	0.50	µg/L 1 12/19/2008 04:13 PM
1,4-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 04:13 PM
2,2-Dichloropropane	ND 0.18	0.50	µg/L 1 12/19/2008 04:13 PM
2-Chlorotoluene	ND 0.11	0.50	µg/L 1 12/19/2008 04:13 PM
4-Chlorotoluene	ND 0.14	0.50	µg/L 1 12/19/2008 04:13 PM
4-Isopropyltoluene	ND 0.12	0.50	µg/L 1 12/19/2008 04:13 PM
Benzene	ND 0.080	0.50	µg/L 1 12/19/2008 04:13 PM
Bromobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 04:13 PM
Bromodichloromethane	ND 0.15	0.50	µg/L 1 12/19/2008 04:13 PM
Bromoform	ND 0.13	0.50	µg/L 1 12/19/2008 04:13 PM
Bromomethane	ND 0.42	0.50	µg/L 1 12/19/2008 04:13 PM
Carbon tetrachloride	ND 0.17	0.50	µg/L 1 12/19/2008 04:13 PM
Chlorobenzene	ND 0.090	0.50	µg/L 1 12/19/2008 04:13 PM
Chloroethane	ND 0.25	0.50	µg/L 1 12/19/2008 04:13 PM
Chloroform	ND 0.12	0.50	µg/L 1 12/19/2008 04:13 PM
Chloromethane	ND 0.14	0.50	µg/L 1 12/19/2008 04:13 PM
cis-1,2-Dichloroethene	ND 0.13	0.50	µg/L 1 12/19/2008 04:13 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-008A

**Client Sample ID:** MW-2R  
**Collection Date:** 12/12/2008 9:25:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	0.10	0.50	µg/L	1	12/19/2008 04:13 PM
Dibromochloromethane	ND	0.14	0.50	µg/L	1	12/19/2008 04:13 PM
Dibromomethane	ND	0.14	0.50	µg/L	1	12/19/2008 04:13 PM
Dichlorodifluoromethane	ND	0.46	0.50	µg/L	1	12/19/2008 04:13 PM
Ethylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 04:13 PM
Hexachlorobutadiene	ND	0.19	0.50	µg/L	1	12/19/2008 04:13 PM
Isopropylbenzene	ND	0.13	0.50	µg/L	1	12/19/2008 04:13 PM
m,p-Xylene	ND	0.23	1.0	µg/L	1	12/19/2008 04:13 PM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/19/2008 04:13 PM
n-Butylbenzene	ND	0.14	0.50	µg/L	1	12/19/2008 04:13 PM
n-Propylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 04:13 PM
Naphthalene	ND	0.16	0.50	µg/L	1	12/19/2008 04:13 PM
o-Xylene	ND	0.18	0.50	µg/L	1	12/19/2008 04:13 PM
sec-Butylbenzene	ND	0.15	0.50	µg/L	1	12/19/2008 04:13 PM
Styrene	ND	0.15	0.50	µg/L	1	12/19/2008 04:13 PM
tert-Butylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 04:13 PM
Tetrachloroethene	ND	0.18	0.50	µg/L	1	12/19/2008 04:13 PM
Toluene	ND	0.17	0.50	µg/L	1	12/19/2008 04:13 PM
trans-1,2-Dichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 04:13 PM
Trichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 04:13 PM
Trichlorofluoromethane	ND	0.50	0.50	µg/L	1	12/19/2008 04:13 PM
Vinyl chloride	ND	0.17	0.50	µg/L	1	12/19/2008 04:13 PM
Surr: 1,2-Dichloroethane-d4	107	0	70-130	%REC	1	12/19/2008 04:13 PM
Surr: 4-Bromofluorobenzene	89.1	0	70-130	%REC	1	12/19/2008 04:13 PM
Surr: Dibromofluoromethane	102	0	70-130	%REC	1	12/19/2008 04:13 PM
Surr: Toluene-d8	106	0	70-130	%REC	1	12/19/2008 04:13 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-009A

**Client Sample ID:** MW-1  
**Collection Date:** 12/12/2008 10:35:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS11_081219A	QC Batch: A08VW353	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 1.2	5.0	µg/L 10 12/19/2008 04:34 PM
1,1,1-Trichloroethane	ND 1.4	5.0	µg/L 10 12/19/2008 04:34 PM
1,1,2,2-Tetrachloroethane	ND 3.4	5.0	µg/L 10 12/19/2008 04:34 PM
1,1,2-Trichloroethane	ND 1.3	5.0	µg/L 10 12/19/2008 04:34 PM
1,1-Dichloroethane	ND 1.2	5.0	µg/L 10 12/19/2008 04:34 PM
1,1-Dichloroethene	ND 2.3	5.0	µg/L 10 12/19/2008 04:34 PM
1,1-Dichloropropene	ND 1.7	5.0	µg/L 10 12/19/2008 04:34 PM
1,2,3-Trichlorobenzene	ND 1.1	5.0	µg/L 10 12/19/2008 04:34 PM
1,2,3-Trichloropropane	ND 2.4	5.0	µg/L 10 12/19/2008 04:34 PM
1,2,4-Trichlorobenzene	ND 1.4	5.0	µg/L 10 12/19/2008 04:34 PM
1,2,4-Trimethylbenzene	ND 1.1	5.0	µg/L 10 12/19/2008 04:34 PM
1,2-Dibromo-3-chloropropane	ND 3.9	5.0	µg/L 10 12/19/2008 04:34 PM
1,2-Dibromoethane	ND 2.0	5.0	µg/L 10 12/19/2008 04:34 PM
1,2-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 04:34 PM
1,2-Dichloroethane	ND 1.0	5.0	µg/L 10 12/19/2008 04:34 PM
1,2-Dichloropropane	ND 1.2	5.0	µg/L 10 12/19/2008 04:34 PM
1,3,5-Trimethylbenzene	ND 1.2	5.0	µg/L 10 12/19/2008 04:34 PM
1,3-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 04:34 PM
1,3-Dichloropropane	ND 0.90	5.0	µg/L 10 12/19/2008 04:34 PM
1,4-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 04:34 PM
2,2-Dichloropropane	ND 1.8	5.0	µg/L 10 12/19/2008 04:34 PM
2-Chlorotoluene	ND 1.1	5.0	µg/L 10 12/19/2008 04:34 PM
4-Chlorotoluene	ND 1.4	5.0	µg/L 10 12/19/2008 04:34 PM
4-Isopropyltoluene	ND 1.2	5.0	µg/L 10 12/19/2008 04:34 PM
Benzene	ND 0.80	5.0	µg/L 10 12/19/2008 04:34 PM
Bromobenzene	ND 1.1	5.0	µg/L 10 12/19/2008 04:34 PM
Bromodichloromethane	ND 1.5	5.0	µg/L 10 12/19/2008 04:34 PM
Bromoform	ND 1.3	5.0	µg/L 10 12/19/2008 04:34 PM
Bromomethane	ND 4.2	5.0	µg/L 10 12/19/2008 04:34 PM
Carbon tetrachloride	ND 1.7	5.0	µg/L 10 12/19/2008 04:34 PM
Chlorobenzene	ND 0.90	5.0	µg/L 10 12/19/2008 04:34 PM
Chloroethane	ND 2.5	5.0	µg/L 10 12/19/2008 04:34 PM
Chloroform	ND 1.2	5.0	µg/L 10 12/19/2008 04:34 PM
Chloromethane	ND 1.4	5.0	µg/L 10 12/19/2008 04:34 PM
cis-1,2-Dichloroethene	ND 1.3	5.0	µg/L 10 12/19/2008 04:34 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-009A

**Client Sample ID:** MW-1  
**Collection Date:** 12/12/2008 10:35:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	1.0	5.0	µg/L	10	12/19/2008 04:34 PM
Dibromochloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:34 PM
Dibromomethane	ND	1.4	5.0	µg/L	10	12/19/2008 04:34 PM
Dichlorodifluoromethane	ND	4.6	5.0	µg/L	10	12/19/2008 04:34 PM
Ethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:34 PM
Hexachlorobutadiene	ND	1.9	5.0	µg/L	10	12/19/2008 04:34 PM
Isopropylbenzene	ND	1.3	5.0	µg/L	10	12/19/2008 04:34 PM
m,p-Xylene	ND	2.3	10	µg/L	10	12/19/2008 04:34 PM
Methylene chloride	ND	10	10	µg/L	10	12/22/2008 09:51 AM
n-Butylbenzene	ND	1.4	5.0	µg/L	10	12/19/2008 04:34 PM
n-Propylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:34 PM
Naphthalene	ND	1.6	5.0	µg/L	10	12/19/2008 04:34 PM
o-Xylene	ND	1.8	5.0	µg/L	10	12/19/2008 04:34 PM
sec-Butylbenzene	ND	1.5	5.0	µg/L	10	12/19/2008 04:34 PM
Styrene	ND	1.5	5.0	µg/L	10	12/19/2008 04:34 PM
tert-Butylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 04:34 PM
Tetrachloroethene	ND	1.8	5.0	µg/L	10	12/19/2008 04:34 PM
Toluene	ND	1.7	5.0	µg/L	10	12/19/2008 04:34 PM
trans-1,2-Dichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 04:34 PM
Trichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 04:34 PM
Trichlorofluoromethane	ND	5.0	5.0	µg/L	10	12/19/2008 04:34 PM
Vinyl chloride	ND	1.7	5.0	µg/L	10	12/19/2008 04:34 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-130	%REC	10	12/19/2008 04:34 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-130	%REC	10	12/22/2008 09:51 AM
Surr: 4-Bromofluorobenzene	89.7	0	70-130	%REC	10	12/19/2008 04:34 PM
Surr: 4-Bromofluorobenzene	91.7	0	70-130	%REC	10	12/22/2008 09:51 AM
Surr: Dibromofluoromethane	105	0	70-130	%REC	10	12/22/2008 09:51 AM
Surr: Dibromofluoromethane	101	0	70-130	%REC	10	12/19/2008 04:34 PM
Surr: Toluene-d8	105	0	70-130	%REC	10	12/22/2008 09:51 AM
Surr: Toluene-d8	105	0	70-130	%REC	10	12/19/2008 04:34 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-010A

**Client Sample ID:** MW-7  
**Collection Date:** 12/12/2008 11:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS11_081219B	QC Batch: A08VW354	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 1.2	5.0	µg/L 10 12/19/2008 09:47 PM
1,1,1-Trichloroethane	ND 1.4	5.0	µg/L 10 12/19/2008 09:47 PM
1,1,2,2-Tetrachloroethane	ND 3.4	5.0	µg/L 10 12/19/2008 09:47 PM
1,1,2-Trichloroethane	ND 1.3	5.0	µg/L 10 12/19/2008 09:47 PM
1,1-Dichloroethane	ND 1.2	5.0	µg/L 10 12/19/2008 09:47 PM
1,1-Dichloroethene	ND 2.3	5.0	µg/L 10 12/19/2008 09:47 PM
1,1-Dichloropropene	ND 1.7	5.0	µg/L 10 12/19/2008 09:47 PM
1,2,3-Trichlorobenzene	ND 1.1	5.0	µg/L 10 12/19/2008 09:47 PM
1,2,3-Trichloropropane	ND 2.4	5.0	µg/L 10 12/19/2008 09:47 PM
1,2,4-Trichlorobenzene	ND 1.4	5.0	µg/L 10 12/19/2008 09:47 PM
1,2,4-Trimethylbenzene	ND 1.1	5.0	µg/L 10 12/19/2008 09:47 PM
1,2-Dibromo-3-chloropropane	ND 3.9	5.0	µg/L 10 12/19/2008 09:47 PM
1,2-Dibromoethane	ND 2.0	5.0	µg/L 10 12/19/2008 09:47 PM
1,2-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 09:47 PM
1,2-Dichloroethane	ND 1.0	5.0	µg/L 10 12/19/2008 09:47 PM
1,2-Dichloropropane	ND 1.2	5.0	µg/L 10 12/19/2008 09:47 PM
1,3,5-Trimethylbenzene	ND 1.2	5.0	µg/L 10 12/19/2008 09:47 PM
1,3-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 09:47 PM
1,3-Dichloropropane	ND 0.90	5.0	µg/L 10 12/19/2008 09:47 PM
1,4-Dichlorobenzene	ND 1.6	5.0	µg/L 10 12/19/2008 09:47 PM
2,2-Dichloropropane	ND 1.8	5.0	µg/L 10 12/19/2008 09:47 PM
2-Chlorotoluene	ND 1.1	5.0	µg/L 10 12/19/2008 09:47 PM
4-Chlorotoluene	ND 1.4	5.0	µg/L 10 12/19/2008 09:47 PM
4-Isopropyltoluene	ND 1.2	5.0	µg/L 10 12/19/2008 09:47 PM
Benzene	ND 0.80	5.0	µg/L 10 12/19/2008 09:47 PM
Bromobenzene	ND 1.1	5.0	µg/L 10 12/19/2008 09:47 PM
Bromodichloromethane	ND 1.5	5.0	µg/L 10 12/19/2008 09:47 PM
Bromoform	ND 1.3	5.0	µg/L 10 12/19/2008 09:47 PM
Bromomethane	ND 4.2	5.0	µg/L 10 12/19/2008 09:47 PM
Carbon tetrachloride	ND 1.7	5.0	µg/L 10 12/19/2008 09:47 PM
Chlorobenzene	ND 0.90	5.0	µg/L 10 12/19/2008 09:47 PM
Chloroethane	ND 2.5	5.0	µg/L 10 12/19/2008 09:47 PM
Chloroform	ND 1.2	5.0	µg/L 10 12/19/2008 09:47 PM
Chloromethane	ND 1.4	5.0	µg/L 10 12/19/2008 09:47 PM
cis-1,2-Dichloroethene	ND 1.3	5.0	µg/L 10 12/19/2008 09:47 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-010A

**Client Sample ID:** MW-7  
**Collection Date:** 12/12/2008 11:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: <b>MS11_081219B</b>	QC Batch: <b>A08VW354</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	1.0	5.0	µg/L	10	12/19/2008 09:47 PM
Dibromochloromethane	ND	1.4	5.0	µg/L	10	12/19/2008 09:47 PM
Dibromomethane	ND	1.4	5.0	µg/L	10	12/19/2008 09:47 PM
Dichlorodifluoromethane	ND	4.6	5.0	µg/L	10	12/19/2008 09:47 PM
Ethylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 09:47 PM
Hexachlorobutadiene	ND	1.9	5.0	µg/L	10	12/19/2008 09:47 PM
Isopropylbenzene	ND	1.3	5.0	µg/L	10	12/19/2008 09:47 PM
m,p-Xylene	ND	2.3	10	µg/L	10	12/19/2008 09:47 PM
Methylene chloride	ND	10	10	µg/L	10	12/22/2008 10:11 AM
n-Butylbenzene	ND	1.4	5.0	µg/L	10	12/19/2008 09:47 PM
n-Propylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 09:47 PM
Naphthalene	ND	1.6	5.0	µg/L	10	12/19/2008 09:47 PM
o-Xylene	ND	1.8	5.0	µg/L	10	12/19/2008 09:47 PM
sec-Butylbenzene	ND	1.5	5.0	µg/L	10	12/19/2008 09:47 PM
Styrene	ND	1.5	5.0	µg/L	10	12/19/2008 09:47 PM
tert-Butylbenzene	ND	1.2	5.0	µg/L	10	12/19/2008 09:47 PM
Tetrachloroethene	ND	1.8	5.0	µg/L	10	12/19/2008 09:47 PM
Toluene	ND	1.7	5.0	µg/L	10	12/19/2008 09:47 PM
trans-1,2-Dichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 09:47 PM
Trichloroethene	ND	1.2	5.0	µg/L	10	12/19/2008 09:47 PM
Trichlorofluoromethane	ND	5.0	5.0	µg/L	10	12/19/2008 09:47 PM
Vinyl chloride	ND	1.7	5.0	µg/L	10	12/19/2008 09:47 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-130	%REC	10	12/19/2008 09:47 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-130	%REC	10	12/22/2008 10:11 AM
Surr: 4-Bromofluorobenzene	93.6	0	70-130	%REC	10	12/19/2008 09:47 PM
Surr: 4-Bromofluorobenzene	91.8	0	70-130	%REC	10	12/22/2008 10:11 AM
Surr: Dibromofluoromethane	110	0	70-130	%REC	10	12/22/2008 10:11 AM
Surr: Dibromofluoromethane	106	0	70-130	%REC	10	12/19/2008 09:47 PM
Surr: Toluene-d8	106	0	70-130	%REC	10	12/22/2008 10:11 AM
Surr: Toluene-d8	106	0	70-130	%REC	10	12/19/2008 09:47 PM

<b>Qualifiers:</b>	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



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# ANALYTICAL RESULTS

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-011A

**Client Sample ID:** Trip Blank  
**Collection Date:**  
**Matrix:** WATER

Analyses	Result	MDL	PQL	Qual Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS11_081219A	QC Batch: A08VW353	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 02:11 PM
1,1,1-Trichloroethane	ND 0.14	0.50	µg/L 1 12/19/2008 02:11 PM
1,1,2,2-Tetrachloroethane	ND 0.34	0.50	µg/L 1 12/19/2008 02:11 PM
1,1,2-Trichloroethane	ND 0.13	0.50	µg/L 1 12/19/2008 02:11 PM
1,1-Dichloroethane	ND 0.12	0.50	µg/L 1 12/19/2008 02:11 PM
1,1-Dichloroethene	ND 0.23	0.50	µg/L 1 12/19/2008 02:11 PM
1,1-Dichloropropene	ND 0.17	0.50	µg/L 1 12/19/2008 02:11 PM
1,2,3-Trichlorobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 02:11 PM
1,2,3-Trichloropropane	ND 0.24	0.50	µg/L 1 12/19/2008 02:11 PM
1,2,4-Trichlorobenzene	ND 0.14	0.50	µg/L 1 12/19/2008 02:11 PM
1,2,4-Trimethylbenzene	ND 0.11	0.50	µg/L 1 12/19/2008 02:11 PM
1,2-Dibromo-3-chloropropane	ND 0.39	0.50	µg/L 1 12/19/2008 02:11 PM
1,2-Dibromoethane	ND 0.20	0.50	µg/L 1 12/19/2008 02:11 PM
1,2-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 02:11 PM
1,2-Dichloroethane	ND 0.10	0.50	µg/L 1 12/19/2008 02:11 PM
1,2-Dichloropropane	ND 0.12	0.50	µg/L 1 12/19/2008 02:11 PM
1,3,5-Trimethylbenzene	ND 0.12	0.50	µg/L 1 12/19/2008 02:11 PM
1,3-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 02:11 PM
1,3-Dichloropropane	ND 0.090	0.50	µg/L 1 12/19/2008 02:11 PM
1,4-Dichlorobenzene	ND 0.16	0.50	µg/L 1 12/19/2008 02:11 PM
2,2-Dichloropropane	ND 0.18	0.50	µg/L 1 12/19/2008 02:11 PM
2-Chlorotoluene	ND 0.11	0.50	µg/L 1 12/19/2008 02:11 PM
4-Chlorotoluene	ND 0.14	0.50	µg/L 1 12/19/2008 02:11 PM
4-Isopropyltoluene	ND 0.12	0.50	µg/L 1 12/19/2008 02:11 PM
Benzene	ND 0.080	0.50	µg/L 1 12/19/2008 02:11 PM
Bromobenzene	ND 0.11	0.50	µg/L 1 12/19/2008 02:11 PM
Bromodichloromethane	ND 0.15	0.50	µg/L 1 12/19/2008 02:11 PM
Bromoform	ND 0.13	0.50	µg/L 1 12/19/2008 02:11 PM
Bromomethane	ND 0.42	0.50	µg/L 1 12/19/2008 02:11 PM
Carbon tetrachloride	ND 0.17	0.50	µg/L 1 12/19/2008 02:11 PM
Chlorobenzene	ND 0.090	0.50	µg/L 1 12/19/2008 02:11 PM
Chloroethane	ND 0.25	0.50	µg/L 1 12/19/2008 02:11 PM
Chloroform	ND 0.12	0.50	µg/L 1 12/19/2008 02:11 PM
Chloromethane	ND 0.14	0.50	µg/L 1 12/19/2008 02:11 PM
cis-1,2-Dichloroethene	ND 0.13	0.50	µg/L 1 12/19/2008 02:11 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-011A

**Client Sample ID:** Trip Blank  
**Collection Date:**  
**Matrix:** WATER

Analyses	Result	MDL	PQL	Qual Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS11_081219A</b>	QC Batch: <b>A08VW353</b>	PrepDate:	Analyst: <b>SLL</b>			
cis-1,3-Dichloropropene	ND	0.10	0.50	µg/L	1	12/19/2008 02:11 PM
Dibromochloromethane	ND	0.14	0.50	µg/L	1	12/19/2008 02:11 PM
Dibromomethane	ND	0.14	0.50	µg/L	1	12/19/2008 02:11 PM
Dichlorodifluoromethane	ND	0.46	0.50	µg/L	1	12/19/2008 02:11 PM
Ethylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 02:11 PM
Hexachlorobutadiene	ND	0.19	0.50	µg/L	1	12/19/2008 02:11 PM
Isopropylbenzene	ND	0.13	0.50	µg/L	1	12/19/2008 02:11 PM
m,p-Xylene	ND	0.23	1.0	µg/L	1	12/19/2008 02:11 PM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/19/2008 02:11 PM
n-Butylbenzene	ND	0.14	0.50	µg/L	1	12/19/2008 02:11 PM
n-Propylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 02:11 PM
Naphthalene	ND	0.16	0.50	µg/L	1	12/19/2008 02:11 PM
o-Xylene	ND	0.18	0.50	µg/L	1	12/19/2008 02:11 PM
sec-Butylbenzene	ND	0.15	0.50	µg/L	1	12/19/2008 02:11 PM
Styrene	ND	0.15	0.50	µg/L	1	12/19/2008 02:11 PM
tert-Butylbenzene	ND	0.12	0.50	µg/L	1	12/19/2008 02:11 PM
Tetrachloroethene	ND	0.18	0.50	µg/L	1	12/19/2008 02:11 PM
Toluene	ND	0.17	0.50	µg/L	1	12/19/2008 02:11 PM
trans-1,2-Dichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 02:11 PM
Trichloroethene	ND	0.12	0.50	µg/L	1	12/19/2008 02:11 PM
Trichlorofluoromethane	ND	0.50	0.50	µg/L	1	12/19/2008 02:11 PM
Vinyl chloride	ND	0.17	0.50	µg/L	1	12/19/2008 02:11 PM
Surr: 1,2-Dichloroethane-d4	109	0	70-130	%REC	1	12/19/2008 02:11 PM
Surr: 4-Bromofluorobenzene	89.8	0	70-130	%REC	1	12/19/2008 02:11 PM
Surr: Dibromofluoromethane	102	0	70-130	%REC	1	12/19/2008 02:11 PM
Surr: Toluene-d8	105	0	70-130	%REC	1	12/19/2008 02:11 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



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-001

**Client Sample ID:** MW-3  
**Collection Date:** 12/11/2008 11:05:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	ND	0.050		mg/L	1	12/18/2008 11:08 AM
Surr: p-Terphenyl	82.4	35-131		%REC	1	12/18/2008 11:08 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC6_081217A	QC Batch: I08VW229				PrepDate:	Analyst: <b>DDL</b>
GRO	0.41	0.050		mg/L	1	12/17/2008 09:58 PM
Surr: Bromofluorobenzene (FID)	103	71-130		%REC	1	12/17/2008 09:58 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



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-002

**Client Sample ID:** MW-8  
**Collection Date:** 12/11/2008 12:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	ND	0.050		mg/L	1	12/18/2008 11:17 AM
Surr: p-Terphenyl	79.2	35-131		%REC	1	12/18/2008 11:17 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC6_081217A	QC Batch: I08VW229				PrepDate:	Analyst: <b>DDL</b>
GRO	1.9	0.050		mg/L	1	12/17/2008 10:29 PM
Surr: Bromofluorobenzene (FID)	104	71-130		%REC	1	12/17/2008 10:29 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



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-003

**Client Sample ID:** MW-98  
**Collection Date:** 12/11/2008 12:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	ND	0.050		mg/L	1	12/18/2008 11:25 AM
Surr: p-Terphenyl	81.9	35-131		%REC	1	12/18/2008 11:25 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC6_081217A	QC Batch: I08VW229				PrepDate:	Analyst: <b>DDL</b>
GRO	1.9	0.050		mg/L	1	12/17/2008 10:59 PM
Surr: Bromofluorobenzene (FID)	104	71-130		%REC	1	12/17/2008 10:59 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



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-004

**Client Sample ID:** MW-6  
**Collection Date:** 12/11/2008 1:05:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	ND	0.050		mg/L	1	12/18/2008 11:34 AM
Surr: p-Terphenyl	80.6	35-131		%REC	1	12/18/2008 11:34 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC6_081217A	QC Batch: I08VW229				PrepDate:	Analyst: <b>DDL</b>
GRO	ND	0.050		mg/L	1	12/17/2008 11:29 PM
Surr: Bromofluorobenzene (FID)	100	71-130		%REC	1	12/17/2008 11:29 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



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-005

**Client Sample ID:** MW-5  
**Collection Date:** 12/11/2008 1:54:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	0.051	0.050		mg/L	1	12/18/2008 11:43 AM
Surr: p-Terphenyl	74.8	35-131		%REC	1	12/18/2008 11:43 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC6_081217A	QC Batch: I08VW229				PrepDate:	Analyst: <b>DDL</b>
GRO	ND	0.050		mg/L	1	12/18/2008 12:00 AM
Surr: Bromofluorobenzene (FID)	102	71-130		%REC	1	12/18/2008 12:00 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



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**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-006

**Client Sample ID:** MW-4  
**Collection Date:** 12/11/2008 2:34:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296			PrepDate: 12/18/2008		Analyst: <b>CBR</b>
DRO	ND	0.050		mg/L	1	12/18/2008 11:51 AM
Surr: p-Terphenyl	79.3	35-131		%REC	1	12/18/2008 11:51 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_081219A	QC Batch: D08VW180			PrepDate:		Analyst: <b>DDL</b>
GRO	ND	0.050		mg/L	1	12/19/2008 01:49 PM
Surr: Bromofluorobenzene (FID)	100	71-130		%REC	1	12/19/2008 01:49 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-007

**Client Sample ID:** MW-9  
**Collection Date:** 12/11/2008 3:35:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	0.086	0.050		mg/L	1	12/19/2008 12:00 PM
Surr: p-Terphenyl	75.0	35-131		%REC	1	12/19/2008 12:00 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_081219A	QC Batch: D08VW180				PrepDate:	Analyst: <b>DDL</b>
GRO	2.3	0.050		mg/L	1	12/19/2008 02:17 PM
Surr: Bromofluorobenzene (FID)	104	71-130		%REC	1	12/19/2008 02:17 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



*Advanced Technology  
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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-008

**Client Sample ID:** MW-2R  
**Collection Date:** 12/12/2008 9:25:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	0.052	0.050		mg/L	1	12/19/2008 12:09 PM
Surr: p-Terphenyl	93.4	35-131		%REC	1	12/19/2008 12:09 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_081219A	QC Batch: D08VW180				PrepDate:	Analyst: <b>DDL</b>
GRO	0.081	0.050		mg/L	1	12/19/2008 02:47 PM
Surr: Bromofluorobenzene (FID)	104	71-130		%REC	1	12/19/2008 02:47 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-009

**Client Sample ID:** MW-1  
**Collection Date:** 12/12/2008 10:35:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	0.10	0.050		mg/L	1	12/19/2008 12:17 PM
Surr: p-Terphenyl	79.8	35-131		%REC	1	12/19/2008 12:17 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_081219A	QC Batch: D08VW180				PrepDate:	Analyst: <b>DDL</b>
GRO	ND	0.050		mg/L	1	12/19/2008 03:16 PM
Surr: Bromofluorobenzene (FID)	101	71-130		%REC	1	12/19/2008 03:16 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



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**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 24-Dec-08

**CLIENT:** The Source Group Inc.  
**Lab Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001  
**Lab ID:** 102704-010

**Client Sample ID:** MW-7  
**Collection Date:** 12/12/2008 11:20:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SILICA GEL CLEANUP DRO BY GC-FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B</b>			
RunID: GC16_081218D	QC Batch: 51296				PrepDate: 12/18/2008	Analyst: <b>CBR</b>
DRO	0.078	0.050		mg/L	1	12/19/2008 12:26 PM
Surr: p-Terphenyl	72.9	35-131		%REC	1	12/19/2008 12:26 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_081219A	QC Batch: D08VW180				PrepDate:	Analyst: <b>DDL</b>
GRO	ND	0.050		mg/L	1	12/19/2008 03:46 PM
Surr: Bromofluorobenzene (FID)	98.9	71-130		%REC	1	12/19/2008 03:46 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



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**CLIENT:** The Source Group Inc.  
**Work Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 8015\_W\_DSL\_LLSGT**

Sample ID: <b>MB-51296</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>12/18/2008</b>	RunNo: <b>103259</b>						
Client ID: <b>PBW</b>	Batch ID: <b>51296</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>12/18/2008</b>	SeqNo: <b>1611154</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO ND 0.050  
 Surr: p-Terphenyl 0.058 0.08000 72.0 35 131

Sample ID: <b>LCS-51296</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>12/18/2008</b>	RunNo: <b>103259</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>51296</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>12/18/2008</b>	SeqNo: <b>1611155</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO 0.700 0.050 1.000 0 70.0 42 118  
 Surr: p-Terphenyl 0.059 0.08000 73.4 35 131

Sample ID: <b>MB-51296MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>12/18/2008</b>	RunNo: <b>103259</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>51296</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>12/18/2008</b>	SeqNo: <b>1611156</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO 0.721 0.050 1.000 0 72.1 42 118  
 Surr: p-Terphenyl 0.057 0.08000 71.8 35 131

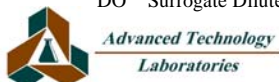
Sample ID: <b>MB-51296MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>12/18/2008</b>	RunNo: <b>103259</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>51296</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>12/18/2008</b>	SeqNo: <b>1611157</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO 0.727 0.050 1.000 0 72.7 42 118 0.7209 0.792 20  
 Surr: p-Terphenyl 0.057 0.08000 71.8 35 131 0 0

Sample ID: <b>MB-51296</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>12/18/2008</b>	RunNo: <b>103259</b>						
Client ID: <b>PBW</b>	Batch ID: <b>51296</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1611168</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

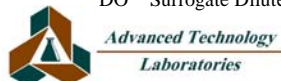
## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8015\_W\_DSL\_LLSGT

Sample ID: <b>MB-51296</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_DSL</b>	Units: <b>mg/L</b>	Prep Date: <b>12/18/2008</b>	RunNo: <b>103259</b>						
Client ID: <b>PBW</b>	Batch ID: <b>51296</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1611168</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
Surr: p-Terphenyl	0.054		0.08000		67.6	35	131				

### 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		



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**CLIENT:** The Source Group Inc.  
**Work Order:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_GP LL**

Sample ID: <b>D081219LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103257</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>D08VW180</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1611105</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.990	0.050	1.000	0	99.0	69	125				
Surr: Bromofluorobenzene (FID)	97.197		100.0		97.2	71	130				

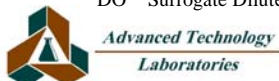
Sample ID: <b>D081219MB2MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103257</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>D08VW180</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1611106</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.002	0.050	1.000	0	100	69	125				
Surr: Bromofluorobenzene (FID)	99.542		100.0		99.5	71	130				

Sample ID: <b>D081219MB2MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103257</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>D08VW180</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1611107</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.978	0.050	1.000	0	97.8	69	125	1.002	2.42	20	
Surr: Bromofluorobenzene (FID)	95.301		100.0		95.3	71	130		0	0	

Sample ID: <b>D081219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103257</b>						
Client ID: <b>PBW</b>	Batch ID: <b>D08VW180</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1611108</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	101.711		100.0		102	71	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_GP LL**

Sample ID: <b>I081217LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103148</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>I08VW229</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/17/2008</b>	SeqNo: <b>1609008</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.870	0.050	1.000	0	87.0	69	125				
Surr: Bromofluorobenzene (FID)	105.287		100.0		105	71	130				

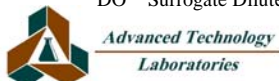
Sample ID: <b>I081217MB1MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103148</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>I08VW229</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/17/2008</b>	SeqNo: <b>1609009</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.865	0.050	1.000	0	86.5	69	125				
Surr: Bromofluorobenzene (FID)	105.190		100.0		105	71	130				

Sample ID: <b>I081217MB1MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103148</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>I08VW229</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/17/2008</b>	SeqNo: <b>1609010</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.854	0.050	1.000	0	85.4	69	125	0.8650	1.28	20	
Surr: Bromofluorobenzene (FID)	103.729		100.0		104	71	130		0	0	

Sample ID: <b>I081217MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>103148</b>						
Client ID: <b>PBW</b>	Batch ID: <b>I08VW229</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>12/17/2008</b>	SeqNo: <b>1609011</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	108.367		100.0		108	71	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

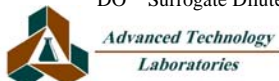
Sample ID: <b>A081219LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103225</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW353</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>		SeqNo: <b>1610499</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	18.260	0.50	20.00	0	91.3	70	130					
Benzene	40.690	0.50	40.00	0	102	70	130					
Chlorobenzene	20.940	0.50	20.00	0	105	70	130					
MTBE	18.140	0.50	20.00	0	90.7	70	130					
Toluene	41.510	0.50	40.00	0	104	70	130					
Trichloroethene	19.980	0.50	20.00	0	99.9	70	130					
Surr: 1,2-Dichloroethane-d4	26.540		25.00		106	70	130					
Surr: 4-Bromofluorobenzene	24.480		25.00		97.9	70	130					
Surr: Dibromofluoromethane	27.330		25.00		109	70	130					
Surr: Toluene-d8	26.700		25.00		107	70	130					

Sample ID: <b>A081219MB2MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103225</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW353</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>		SeqNo: <b>1610500</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	17.740	0.50	20.00	0	88.7	70	130					
Benzene	38.710	0.50	40.00	0	96.8	70	130					
Chlorobenzene	19.730	0.50	20.00	0	98.6	70	130					
Toluene	39.660	0.50	40.00	0	99.2	70	130					
Trichloroethene	18.840	0.50	20.00	0	94.2	70	130					
Surr: 1,2-Dichloroethane-d4	25.740		25.00		103	70	130					
Surr: 4-Bromofluorobenzene	23.690		25.00		94.8	70	130					
Surr: Dibromofluoromethane	26.080		25.00		104	70	130					
Surr: Toluene-d8	25.740		25.00		103	70	130					

Sample ID: <b>A081219MB2MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103225</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW353</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>		SeqNo: <b>1610501</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	16.830	0.50	20.00	0	84.2	70	130	17.74	5.26	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

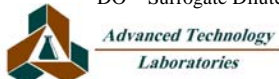
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081219MB2MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103225</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A08VW353</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610501</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.900	0.50	40.00	0	99.8	70	130	38.71	3.03	20	
Chlorobenzene	20.690	0.50	20.00	0	103	70	130	19.73	4.75	20	
Toluene	40.920	0.50	40.00	0	102	70	130	39.66	3.13	20	
Trichloroethene	19.600	0.50	20.00	0	98.0	70	130	18.84	3.95	20	
Surr: 1,2-Dichloroethane-d4	26.190		25.00		105	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.630		25.00		98.5	70	130		0	20	
Surr: Dibromofluoromethane	26.850		25.00		107	70	130		0	20	
Surr: Toluene-d8	26.310		25.00		105	70	130		0	20	

Sample ID: <b>A081219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103225</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW353</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610502</b>						
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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

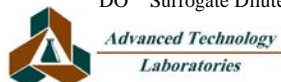
**TestCode:** 8260\_WP\_LL

Sample ID: <b>A081219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103225</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW353</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610502</b>

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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

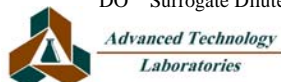
## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103225</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW353</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610502</b>						
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	25.550		25.00		102	70	130				
Surr: 4-Bromofluorobenzene	23.080		25.00		92.3	70	130				
Surr: Dibromofluoromethane	25.700		25.00		103	70	130				
Surr: Toluene-d8	26.210		25.00		105	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

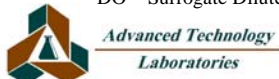
Sample ID: <b>A081219LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103327</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW354</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>				SeqNo: <b>1612355</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	17.810	0.50	20.00	0	89.0	70	130					
Benzene	40.240	0.50	40.00	0	101	70	130					
Chlorobenzene	20.640	0.50	20.00	0	103	70	130					
MTBE	19.500	0.50	20.00	0	97.5	70	130					
Toluene	41.260	0.50	40.00	0	103	70	130					
Trichloroethene	19.850	0.50	20.00	0	99.2	70	130					
Surr: 1,2-Dichloroethane-d4	27.270		25.00		109	70	130					
Surr: 4-Bromofluorobenzene	24.580		25.00		98.3	70	130					
Surr: Dibromofluoromethane	27.470		25.00		110	70	130					
Surr: Toluene-d8	26.830		25.00		107	70	130					

Sample ID: <b>1020784-002A</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103327</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW354</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>				SeqNo: <b>1612356</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	94.900	2.5	100.0	0	94.9	70	130					
Benzene	208.350	2.5	200.0	0	104	70	130					
Chlorobenzene	104.500	2.5	100.0	0	104	70	130					
Toluene	213.500	2.5	200.0	0	107	70	130					
Trichloroethene	103.850	2.5	100.0	0	104	70	130					
Surr: 1,2-Dichloroethane-d4	137.200		125.0		110	70	130					
Surr: 4-Bromofluorobenzene	123.150		125.0		98.5	70	130					
Surr: Dibromofluoromethane	137.650		125.0		110	70	130					
Surr: Toluene-d8	131.950		125.0		106	70	130					

Sample ID: <b>1020784-002A</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103327</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW354</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>				SeqNo: <b>1612357</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	92.400	2.5	100.0	0	92.4	70	130	94.90	2.67	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

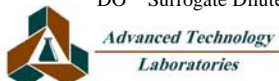
**TestCode: 8260\_WP\_LL**

Sample ID: <b>1020784-002A</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103327</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW354</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>				SeqNo: <b>1612357</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	200.250	2.5	200.0	0	100	70	130	208.4	3.96	20	
Chlorobenzene	100.700	2.5	100.0	0	101	70	130	104.5	3.70	20	
Toluene	204.150	2.5	200.0	0	102	70	130	213.5	4.48	20	
Trichloroethene	99.550	2.5	100.0	0	99.6	70	130	103.8	4.23	20	
Surr: 1,2-Dichloroethane-d4	134.150		125.0		107	70	130		0	20	
Surr: 4-Bromofluorobenzene	124.350		125.0		99.5	70	130		0	20	
Surr: Dibromofluoromethane	136.800		125.0		109	70	130		0	20	
Surr: Toluene-d8	132.100		125.0		106	70	130		0	20	

Sample ID: <b>A081219MB4</b>		SampType: <b>MBLK</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103327</b>	
Client ID: <b>PBW</b>		Batch ID: <b>A08VW354</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>				SeqNo: <b>1612358</b>	
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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

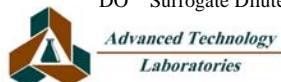
**TestCode:** 8260\_WP\_LL

Sample ID: <b>A081219MB4</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103327</b>
Client ID: <b>PBW</b>	Batch ID: <b>A08VW354</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1612358</b>

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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

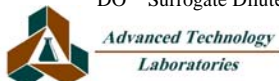
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081219MB4</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103327</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW354</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1612358</b>						
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	25.930		25.00		104	70	130				
Surr: 4-Bromofluorobenzene	23.690		25.00		94.8	70	130				
Surr: Dibromofluoromethane	25.360		25.00		101	70	130				
Surr: Toluene-d8	26.060		25.00		104	70	130				

Sample ID: <b>102784-008A</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103327</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>A08VW354</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/20/2008</b>	SeqNo: <b>1612389</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.300	2.5	100.0	0	98.3	70	130				
Benzene	220.300	2.5	200.0	0	110	70	130				
Chlorobenzene	107.200	2.5	100.0	0	107	70	130				
Toluene	224.150	2.5	200.0	0	112	70	130				
Trichloroethene	106.400	2.5	100.0	0	106	70	130				
Surr: 1,2-Dichloroethane-d4	148.900		125.0		119	70	130				
Surr: 4-Bromofluorobenzene	124.100		125.0		99.3	70	130				
Surr: Dibromofluoromethane	140.250		125.0		112	70	130				
Surr: Toluene-d8	133.900		125.0		107	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

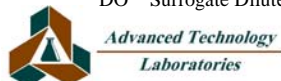
## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>102784-008A</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103327</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>A08VW354</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>12/20/2008</b>	SeqNo: <b>1612390</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	92.000	2.5	100.0	0	92.0	70	130	98.30	6.62	20	
Benzene	206.950	2.5	200.0	0	103	70	130	220.3	6.25	20	
Chlorobenzene	102.000	2.5	100.0	0	102	70	130	107.2	4.97	20	
Toluene	212.000	2.5	200.0	0	106	70	130	224.2	5.57	20	
Trichloroethene	101.000	2.5	100.0	0	101	70	130	106.4	5.21	20	
Surr: 1,2-Dichloroethane-d4	144.450		125.0		116	70	130		0	20	
Surr: 4-Bromofluorobenzene	124.900		125.0		99.9	70	130		0	20	
Surr: Dibromofluoromethane	140.200		125.0		112	70	130		0	20	
Surr: Toluene-d8	133.750		125.0		107	70	130		0	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

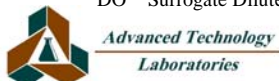
Sample ID: <b>A081222LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103378</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>A08VW356</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>		SeqNo: <b>1613295</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	18.450	0.50	20.00	0	92.2	70	130					
Benzene	40.600	0.50	40.00	0	102	70	130					
Chlorobenzene	20.290	0.50	20.00	0	101	70	130					
MTBE	19.900	0.50	20.00	0	99.5	70	130					
Toluene	41.750	0.50	40.00	0	104	70	130					
Trichloroethene	19.910	0.50	20.00	0	99.6	70	130					
Surr: 1,2-Dichloroethane-d4	28.380		25.00		114	70	130					
Surr: 4-Bromofluorobenzene	24.870		25.00		99.5	70	130					
Surr: Dibromofluoromethane	28.610		25.00		114	70	130					
Surr: Toluene-d8	27.060		25.00		108	70	130					

Sample ID: <b>A081222MB2MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103378</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW356</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>		SeqNo: <b>1613296</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	16.710	0.50	20.00	0	83.6	70	130					
Benzene	39.130	0.50	40.00	0	97.8	70	130					
Chlorobenzene	19.980	0.50	20.00	0	99.9	70	130					
Toluene	40.130	0.50	40.00	0	100	70	130					
Trichloroethene	18.800	0.50	20.00	0	94.0	70	130					
Surr: 1,2-Dichloroethane-d4	28.420		25.00		114	70	130					
Surr: 4-Bromofluorobenzene	25.230		25.00		101	70	130					
Surr: Dibromofluoromethane	28.600		25.00		114	70	130					
Surr: Toluene-d8	27.030		25.00		108	70	130					

Sample ID: <b>A081222MB2MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>103378</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A08VW356</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>		SeqNo: <b>1613297</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	18.080	0.50	20.00	0	90.4	70	130	16.71	7.88	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

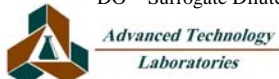
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081222MB2MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103378</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A08VW356</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>	SeqNo: <b>1613297</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.730	0.50	40.00	0	99.3	70	130	39.13	1.52	20	
Chlorobenzene	20.180	0.50	20.00	0	101	70	130	19.98	0.996	20	
Toluene	40.780	0.50	40.00	0	102	70	130	40.13	1.61	20	
Trichloroethene	19.680	0.50	20.00	0	98.4	70	130	18.80	4.57	20	
Surr: 1,2-Dichloroethane-d4	27.450		25.00		110	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.830		25.00		99.3	70	130		0	20	
Surr: Dibromofluoromethane	28.180		25.00		113	70	130		0	20	
Surr: Toluene-d8	26.740		25.00		107	70	130		0	20	

Sample ID: <b>A081222MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103378</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW356</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>	SeqNo: <b>1613298</b>						
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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

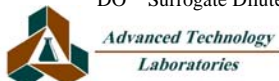
## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081222MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103378</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW356</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>	SeqNo: <b>1613298</b>						
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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

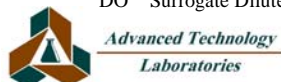
## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>A081222MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103378</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A08VW356</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/22/2008</b>	SeqNo: <b>1613298</b>						
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	26.360		25.00		105	70	130				
Surr: 4-Bromofluorobenzene	22.960		25.00		91.8	70	130				
Surr: Dibromofluoromethane	26.060		25.00		104	70	130				
Surr: Toluene-d8	26.330		25.00		105	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

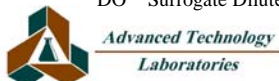
Sample ID: <b>Q081219LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610880</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.210	0.50	20.00	0	101	70	130				
Benzene	40.080	0.50	40.00	0	100	70	130				
Chlorobenzene	19.930	0.50	20.00	0	99.7	70	130				
MTBE	17.480	0.50	20.00	0	87.4	70	130				
Toluene	39.760	0.50	40.00	0	99.4	70	130				
Trichloroethene	19.410	0.50	20.00	0	97.0	70	130				
Surr: 1,2-Dichloroethane-d4	22.600		25.00		90.4	70	130				
Surr: 4-Bromofluorobenzene	26.240		25.00		105	70	130				
Surr: Dibromofluoromethane	24.330		25.00		97.3	70	130				
Surr: Toluene-d8	27.720		25.00		111	70	130				

Sample ID: <b>Q081219MB1MS</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610881</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.500	0.50	20.00	0	87.5	70	130				
Benzene	36.320	0.50	40.00	0	90.8	70	130				
Chlorobenzene	18.270	0.50	20.00	0	91.4	70	130				
Toluene	36.090	0.50	40.00	0	90.2	70	130				
Trichloroethene	17.730	0.50	20.00	0	88.6	70	130				
Surr: 1,2-Dichloroethane-d4	22.520		25.00		90.1	70	130				
Surr: 4-Bromofluorobenzene	25.490		25.00		102	70	130				
Surr: Dibromofluoromethane	23.930		25.00		95.7	70	130				
Surr: Toluene-d8	26.880		25.00		108	70	130				

Sample ID: <b>Q081219MB1MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610882</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.310	0.50	20.00	0	96.6	70	130	17.50	9.83	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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

## ANALYTICAL QC SUMMARY REPORT

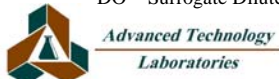
**TestCode: 8260\_WP\_LL**

Sample ID: <b>Q081219MB1MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610882</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.230	0.50	40.00	0	101	70	130	36.32	10.2	20	
Chlorobenzene	20.000	0.50	20.00	0	100	70	130	18.27	9.04	20	
Toluene	40.660	0.50	40.00	0	102	70	130	36.09	11.9	20	
Trichloroethene	20.180	0.50	20.00	0	101	70	130	17.73	12.9	20	
Surr: 1,2-Dichloroethane-d4	23.020		25.00		92.1	70	130		0	20	
Surr: 4-Bromofluorobenzene	25.540		25.00		102	70	130		0	20	
Surr: Dibromofluoromethane	23.750		25.00		95.0	70	130		0	20	
Surr: Toluene-d8	26.950		25.00		108	70	130		0	20	

Sample ID: <b>Q081219MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>PBW</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610883</b>						
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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

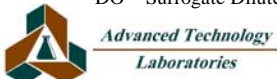
## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8260\_WP\_LL

Sample ID: <b>Q081219MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>PBW</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610883</b>						
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:** 102704  
**Project:** AB&I Foundry, 01-ABI.001

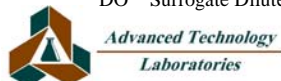
## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

Sample ID: <b>Q081219MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>103246</b>						
Client ID: <b>PBW</b>	Batch ID: <b>Q08VW240</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>12/19/2008</b>	SeqNo: <b>1610883</b>							
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	23.920		25.00		95.7	70	130				
Surr: 4-Bromofluorobenzene	25.920		25.00		104	70	130				
Surr: Dibromofluoromethane	24.650		25.00		98.6	70	130				
Surr: Toluene-d8	26.350		25.00		105	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.#: _____	Method of Transport	4:4 5:0	Sample Condition Upon Receipt
Logged By: <u>[Signature]</u>	Client <input type="checkbox"/>	1. CHILLED	Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/>
Date: <u>12/15/08</u>	ATL <input checked="" type="checkbox"/>	2. HEADSPACE (VOA) Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	5. # OF SPLS MATCH COC Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
	CA OverN <input checked="" type="checkbox"/>	3. CONTAINER INTACT Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	6. PRESERVED Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
	FEDEX <input type="checkbox"/>		
	Other: _____		

Client: <u>The Service Group</u>	Address: <u>3451-C Vincent Rd.</u>	TEL: <u>(925) 944-2856</u>
Attn: <u>Kent Reynolds</u>	City <u>Pleasant Hill</u> State <u>CA</u> Zip Code <u>94523</u>	FAX: <u>(925) 944-2859</u>

Project Name: <u>ABI I Funding</u>	Project #: <u>01-ABI.001</u>	Sampler: (Printed Name) <u>Nathan Citon</u>	(Signature) <u>[Signature]</u>
Relinquished by: (Signature and Printed Name) <u>[Signature] Nathan Citon</u>	Date: <u>12/15/08</u> Time: <u>1430</u>	Received by: (Signature and Printed Name) <u>[Signature] Margi</u>	Date: <u>12/13/08</u> Time: <u>1100</u>
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: <u>Nathan Citon</u> <u>12/12/08</u> <u>[Signature]</u> Signature	Send Report To: Attn: <u>Kent Reynolds</u> Co: <u>The Service Group</u> Address: <u>3451-C Vincent Rd.</u> City: <u>Pleasant Hill</u> State: <u>CA</u> Zip: <u>94523</u>	Bill To: Attn: _____ Co: <u>STMP</u> Address: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: <u>0.5 ug/L reporting limits include EDDS + EDF replicate amounts ID: # T0600100065</u>
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**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)

I T E M	LAB USE ONLY:		Sample Description				Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX					CONTAINER(S)		PRESERVATION	REMARKS
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	SOIL		WATER	GROUND WATER	WASTEWATER	TAT	#	Type	RTNE <input type="checkbox"/>		
		<u>102704-081</u>	<u>MW-3</u>	<u>12/15/08</u>	<u>1105</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>E</u>	<u>7</u>	<u>H</u>			
	<u>2</u>		<u>MW-8</u>		<u>1200</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>3</u>		<u>MW-98</u>		<u>1200</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>4</u>		<u>MW-6</u>		<u>1305</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>5</u>		<u>MW-5</u>		<u>1354</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>6</u>		<u>MW-4</u>		<u>1434</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>7</u>		<u>MW-9</u>		<u>1535</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							

• TAT starts 8 a.m. following day if samples received after 3 p.m.	TAT: A= <u>Overnight ≤ 24 hr</u>	B= <u>Emergency Next workday</u>	C= <u>Critical 2 Workdays</u>	D= <u>Urgent 3 Workdays</u>	E= <u>Routine 7 Workdays</u>	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal						

# CHAIN OF CUSTODY RECORD



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Laboratories**

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

## FOR LABORATORY USE ONLY:

P.O.#: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FEDEX <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
Logged By: _____ Date: _____		

Client: <u>The Sunco Group, Inc.</u>	Address: <u>3451-C Vincent Rd</u>	TEL: <u>(925) 944-2856</u>
Attn: <u>Kent Reynolds</u>	City: <u>Pleasant Hill</u> State: <u>CA</u> Zip Code: <u>94523</u>	FAX: <u>(925) 944-2854</u>

Project Name: <u>AB+T Foundry</u>	Project #: <u>01-ABI-001</u>	Sampler: <u>Nathan Cihan</u> (Printed Name)	(Signature) <u>Nathan Cihan</u>
Relinquished by: <u>Nathan Cihan</u> (Signature and Printed Name)	Date: <u>12/12/08</u>	Time: <u>1430</u>	Received by: <u>Margi</u> (Signature and Printed Name)
Date: _____	Time: _____	Date: <u>12/13/08</u>	Time: <u>1100</u>

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: <u>Nathan Cihan</u> <u>12/12/08</u> Print Name Date <u>Nathan Cihan</u> Signature	Send Report To: Attn: <u>Kent Reynolds</u> Co: <u>The Sunco Group</u> Address: <u>3451-C Vincent Rd</u> City: <u>Pleasant Hill</u> State: <u>CA</u> Zip: <u>94523</u>	Bill To: Attn: _____ Co: <u>SAMI</u> Address: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: <u>0.5 ppb reporting limits</u> <u>include EDD &amp; EDF reports.</u> <u>ID: # TO 600100065</u>
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**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:			Sample Description	Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX				TAT	CONTAINER(S)		PRESERVATION	REMARKS
	Batch #:					SOIL	WATER	GROUND WATER	WASTEWATER		#	Type		
	Lab No.	Sample I.D. / Location	Date											
	<u>102704-</u>	<u>8</u>	<u>MW-2A</u>	<u>12/12/08</u>	<u>925</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>E</u>	<u>7</u>	<u>H</u>	
		<u>9</u>	<u>MW-1</u>	<u>↓</u>	<u>1035</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>E</u>	<u>7</u>	<u>↓</u>	
		<u>10</u>	<u>MW-7</u>	<u>↓</u>	<u>1120</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>E</u>	<u>7</u>	<u>↓</u>	
		<u>11</u>	<u>Trip Blank</u>	<u>—</u>	<u>—</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>E</u>	<u>1</u>	<u>↓</u>	

• TAT starts 8 a.m. following day if samples received after 3 p.m.	TAT: A= <u>Overnight</u> ≤ 24 hr	B= <u>Emergency</u> Next workday	C= <u>Critical</u> 2 Workdays	D= <u>Urgent</u> 3 Workdays	E= <u>Routine</u> 7 Workdays	Preservatives: H=Hcl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal						