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Alameda County
Environmental Health

January 26, 2011

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 Quarter 4 2010 Semi-Annual Monitoring Report, AB&I Foundry, 7825 San Leandro Street, Oakland California 94621

Dear Mr. Wickham:

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

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

Sincerely,

Dave Robinson
Engineering Manager

Attachment: Quarter 4 2010 Semi-Annual Monitoring Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California

QUARTER 4 2010 SEMI-ANNUAL MONITORING REPORT

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

01-ABI.001

Prepared For:



AB&I Foundry
7825 San Leandro Street
Oakland, California

Prepared By:



3451-C Vincent Road
Pleasant Hill, California 94523

January 26, 2011

Prepared By:

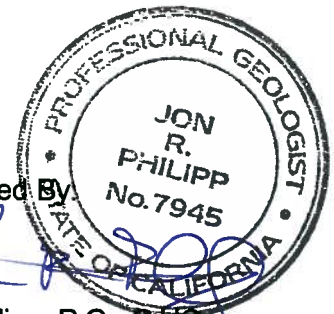
A handwritten signature in blue ink, appearing to read 'N. Colton'.

Nathan Colton
Senior Staff Scientist

Reviewed By:

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

Jon R. Philipp, P.G., C.H.G.
Senior Hydrogeologist



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

Kent R. Reynolds
Principal Geologist

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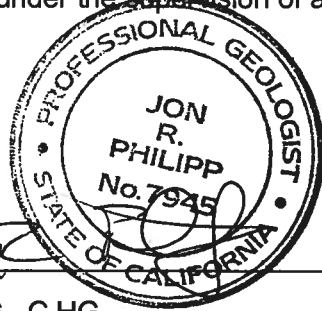
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CERTIFICATION

All hydrogeologic and geologic information 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 December 2010 Semi-Annual Monitoring Report (Report) for the AB&I Foundry Site located at 7825 San Leandro Street in Oakland, California (Figure 1; Site). This Report was prepared for submittal to the Alameda County Environmental Health Department (ACEH). It presents the results of quarter 4, 2010 semi-annual monitoring activities as required in the ACEH letter dated March 2, 2010. Monitoring results have confirmed the effectiveness of past remedial efforts and results indicate that the residual petroleum and VOC impacts remaining do not pose any risk to human health or the environment, based on the current land use. It is proposed that the residual impacts in soil and groundwater be addressed through preparation of a risk management plan and deed restriction.

2.0 BACKGROUND

The Site is located at 7825 San Leandro Street, east of the intersection with 77th Avenue, in a light industrial area of Oakland (Figures 1 and 2). The Site is bounded 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 have been operating at the Site 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 and contains various warehouses, manufacturing and office buildings. The entire Site is covered with buildings and asphalt/concrete pavement. Seven underground storage tanks (USTs) were previously located on the Site, including 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.

2.1 Historical Investigations

Initial site assessment activities began in 1991 as part of the facility's UST removal program. The USTs removed consisted of:

- three 10,000-gallon tanks used for storing gasoline (removed 1982/1983);
- one 8,000-gallon tank used for storing unleaded gasoline (removed 1991);
- one 8,000-gallon tank initially used for storing mineral spirits and later for storing 1,1,1-trichloroethane (removed 1991); and
- one 10,000-gallon tank used for storing diesel fuel (removed 1992).

Removal of the tanks, with the exception of the three 10,000-gallon gasoline USTs, was provided in UST closure reports. Locations of the former USTs are included on Figure 2.

In July/August 2006, a soil and groundwater assessment was conducted as part of a property transfer. The assessment consisted of sampling three existing monitoring wells (MW-1, MW-3, and MW-4); abandoning damaged well MW-2; and installing and sampling six new groundwater monitoring wells (MW-2R, and MW-5 through MW-9). Soil samples were collected at various

depth intervals during the installation of monitoring wells MW-5, MW-6, MW-7, and MW-8. Results of the assessment were presented in the Preliminary Groundwater Investigation Report (BSK, 2007).

In response to request from ACEH, additional groundwater and soil vapor investigations were conducted in 2007 and 2008. These investigations included the investigation of 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 Area (located in the vicinity and northwest of well MW-8; Figure 2) was 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 Former Three 10,000 Gallon USTs Area (located in the vicinity of well MW-9) was impacted with petroleum fuels including benzene, toluene, ethylbenzene and xylenes (BTEX), total petroleum hydrocarbons as gasoline (TPHg), and total petroleum hydrocarbons as diesel (TPHd). Results of the soil vapor analysis indicated that isolated soil gas samples had indoor air vapor intrusion environmental screening level (ESL) exceedences for benzene, ethylbenzene, vinyl chloride and tetrachloroethene (PCE) under the commercial land use scenario. A site specific risk assessment was conducted and results concluded that the risks posed by soil vapors were acceptable and did not require further action. Further details can be found in SGI's reports titled, "Site Investigation Report" and "Additional Site Investigation Report" (SGI 2008a; SGI 2008b). ACEH concurred with the report conclusions in a letter dated May 20, 2009.

In order to address residual petroleum hydrocarbons and VOCs in groundwater, in June 2009, enhanced anaerobic biodegradation (EAnB) injections occurred at the Site beneath the parking lot area (near MW-3 and MW-8) and aerobic biodegradation (EAB) injections occurred near the former three 10,000 gallon USTs (near MW-9). Additional details regarding the injections are provided in Sections 4 and 5 of this report. Since that time, groundwater monitoring has occurred to monitor the progress of bioremediation in the subsurface.

2.2 Hydrogeological Setting

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

The Site is underlain by a mixture of sandy/silty clay to a depth of at least 20-feet bgs. Groundwater has been encountered in borings and excavations at depths ranging from 8 to 12-feet bgs at the Site. Groundwater monitoring data from on-site monitoring wells generally flows to the northwest at a gradient of approximately 0.006 feet per foot (ft/ft); (SGI 2009a).

Based on the Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) (RWQCB, 1995), groundwater beneath the site is part of the East Bay Plain basin, which has beneficial uses for municipal and domestic drinking water supply, industrial process and service water supply, and agricultural water supply. That said, East Bay Municipal Utility District (EBMUD) provides water for these uses to the site and vicinity from Sierra-fed surface-water sources. Development of the shallow water-bearing zones beneath the site for beneficial uses is remote due to uneconomically low, sustainable well yields, and the presence of regional contamination (e.g., coliform from leaking sanitary sewer lines, unrelated chemical plumes), and presence of more productive water-bearing zones at depth (RWQCB, 1999). In addition, State regulations require sealing of at least the upper 50 feet of subsurface for public/industrial water supply wells (Department of Water Resources, 1991).

3.0 SEMI-ANNUAL MONITORING ACTIVITIES

Monitoring of all nine wells (MW-1, MW-2R, and MW-3 through MW-9) was conducted on December 22, 2010. Monitoring activities included water level gauging. Wells in enhanced bioremediation areas (MW-3, MW-8, and MW-9) were additionally sampled on December 22, 2010.

3.1 Monitoring Well Inspection and Gauging

Upon arrival at the Site the wells were located, inspected, and judged to be secure and in good condition. The wells were then gauged for depth to water and total well depth using an electronic water level meter. The water level meter was properly decontaminated between successive wells. Well gauging data are provided in Table 1.

3.2 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. During purging, water quality parameters including pH, temperature, electric conductivity (EC), oxidation-reduction potential (ORP), and dissolved oxygen (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 A.

Wells MW-3, MW-8, and MW-9 were sampled on December 22, 2010. 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 (ATL), located in Signal Hill, California, for analysis of VOCs using EPA Method 8260B and TPHg and TPHd using EPA Method 8015M. In addition, samples collected from wells MW-3 and MW-8 were analyzed for total organic carbon (TOC) using method SM5310B and methane, ethane, and ethene using method RSK-175. A copy of the laboratory analytical report is included as Appendix B.

3.3 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.

3.4 December 2010 Semi-Annual Monitoring Results

3.4.1 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 top of well casing. Groundwater elevations in wells during the December 2010 semi-annual monitoring event ranged from 3.33 feet above mean sea level (msl) in well MW-6 to 4.97 feet above msl in well MW-7 (Table 1). As shown on Figure 3, estimated groundwater flow direction during the semi-annual monitoring event was generally to the northwest at a hydraulic gradient ranging between 0.003 feet/foot. The groundwater flow direction and gradient are generally consistent with past monitoring events.

3.4.2 Groundwater Analytical Results

Wells MW-3 and MW-8, located in the enhanced anaerobic biodegradation areas continued to exhibit decreasing VOC trends. Concentrations in well MW-9 contained stable to decreasing TPHd and BTEX concentrations. Figures 4 and 5 show the groundwater analytical results for petroleum constituents and chlorinated VOCs, respectively. A summary of analytical results is included in Table 2 and discussed further in section 4.0. A summary of historical concentrations is included as Appendix C.

4.0 ENHANCED ANAEROBIC BIODEGRADATION ACTIVITIES

EAnB injections were implemented at the Site beneath the parking lot area (near MW-3 and MW-8) in June 2009. The EAnB injection program consisted of injecting EOS[®] with a vitamin B-12 supplement to stimulate biodegradation. EOS[®] is a food-grade vegetable oil that serves as a slow-release carbon source to promote microbial activity and growth. The B-12 supplement, consisting of vitamin B-12, acetate, and extracts of mixed microbial cultures, provides a fast-release carbon source to establish enhanced anaerobic conditions. A total of 5,475 gallons of EOS[®] was injected to depths of 5 to 20 feet bgs using 15 direct-push injection points (PL-1 through PL-15). Figure 4 includes locations of the EAnB injection locations. Details of the injection event were presented in the May 2009 Semi-Annual Monitoring and Enhanced Anaerobic Biodegradation Pilot Study Report (SGI, 2009c).

4.1 Onsite Remediation Effectiveness Groundwater Sampling

In December, 2010, groundwater samples were collected from wells MW-3 and MW-8 located in the EAnB injection areas to monitor remediation effectiveness. VOC concentration trends are the primary indicator of EAnB effectiveness. Under anaerobic conditions, the breakdown pathway for the chemicals of concern at the Site is illustrated as follows:

- 1,1,1-TCA → 1,1-DCA → Chloroethane → Ethane/Methane; and
- 1,1,1-TCA → 1,1-DCE → Vinyl Chloride → Ethene.

EAnB is initially exhibited by decreasing parent VOC (1,1,1-TCA, 1,1-DCA, and 1,1-DCE) concentrations and increasing daughter products (chloroethane, vinyl chloride and methane/ethene). As parent VOCs are depleted, daughter product concentrations will generally stabilize and subsequently decline.

Total organic carbon (TOC) was analyzed at each location to evaluate the presence and depletion of EOS[®] in the subsurface. As the EOS[®] is consumed by bacteria during the degradation process, TOC will drop to background levels (generally less than 10 milligrams per liter)

4.1.1 Onsite Remediation Effectiveness Results

Analytical results for groundwater EAnB remedial effectiveness samples are presented in Table 2. In addition, trend charts are provided as Figures 6 and 7. Consistent with previous findings, the monitoring results indicate biodegradation is occurring in groundwater beneath the injection areas. In brief, the monitoring results indicate the following:

- Well MW-3 (Figure 6): In response to EAnB injections, VOC concentrations have been reduced by approximately 96%. Parent products (1,1-DCA and 1,1-DCE) have decreased

significantly to levels that are below California Department of Public Health maximum contaminant levels (MCLs). Daughter product concentrations (chloroethane, methane, vinyl chloride, and ethane), which initially increased following EAnB injections, have subsequently decreased and are continuing to show a declining trend. Only vinyl chloride remains present at levels slightly above MCLs. During the most recent sampling event, vinyl chloride was detected at 0.97 micrograms per liter ($\mu\text{g/L}$), compared to the MCL of 0.5 $\mu\text{g/L}$.

- Well MW-8 (Figure 7): In response to EAnB injections, VOC concentrations have been reduced by approximately 98%. Following the injection event, parent products (1,1,1-TCA, 1,1-DCA and 1,1-DCE) decreased and a temporary increase of daughter products (chloroethane, methane, vinyl chloride, and ethene) was observed. Concentrations of daughter products have subsequently decreased. None of the VOCs exceeded their respective MCLs. During the most recent sampling event, 1,1-DCE and benzene were detected at 0.76 $\mu\text{g/L}$ and 0.43 $\mu\text{g/L}$, respectively.

5.0 ENHANCED AEROBIC BIODEGRADATION ACTIVITIES

EAB injections were implemented at the Site near the former three 10,000 gallon USTs (near MW-9) in June 2009. The EAB injection program consisted of injecting Oxygen Releasing Compound (ORC) and Regenox solution (ORC/Regenox), both of which are manufactured by Regenesis, into the affected groundwater unit. A total of 2,018 gallons ORC/Regenox were injected to depths of 5 to 20 feet bgs using nine direct-push injection points (WH-1 through WH-9). Figure 4 includes the locations of EAB injection locations. Details of the injection event were presented in the Enhanced Aerobic Biodegradation Pilot Study Report – Former Three 10,000-Gallon USTs Area (SGI, 2009d).

5.1 Onsite Remediation Effectiveness Groundwater Sampling and Results

During December 2010, groundwater samples were collected from well MW-9 located in the EAB injection area to monitor remediation effectiveness. TPH and VOC concentration trends are the primary indicator of EAB effectiveness. Analytical results for groundwater remedial effectiveness samples are presented in Table 2 and Figure 8. Data collected since EAB injection activities in June, 2009 suggest that ORC/Regenox was initially effective at reducing benzene and toluene concentrations at the Site, but some “rebounding” has occurred. Benzene is the only constituent that remains above MCLs, and was most recently detected at 77 µg/l.

6.0 COMPARISON OF GROUNDWATER DATA TO ENVIRONMENTAL SCREENING LEVELS

The CRWQCB has developed environmental screening levels (ESLs) to address environmental protection goals presented in the Water Quality Control Plan for the San Francisco Bay Basin (RWQCB 2006). Goals for screening levels and their applicability to the AB&I Foundry Site are summarized in the following table:

ESL Goal	Notes	Applicability
Protection of drinking water resources	There are no known active domestic water supply wells or pumping from shallow aquifers within a 1-mile radius of the Site.	Drinking water goals are not applicable
Protection of aquatic habitats	The nearest surface water body is Elmhurst Creek, which bounds the southern, upgradient edge of the Site. Elmhurst Creek is channeled through urban areas and drains stormwater toward San Leandro Bay (approximately 1 mile from the Site). The nearest wildlife refuge (Don Edwards) is approximately 30 miles southeast of the Site.	Aquatic habitat goals are not applicable
Protection against vapor intrusion into buildings	The site is currently developed with commercial buildings where vapor intrusion into indoor air from the subsurface may occur.	Vapor intrusion goals for commercial land use are applicable
Protection against adverse nuisance conditions (taste and odor thresholds)	Groundwater beneath the Site is not used for drinking water or other beneficial use, and leaching to potable groundwater aquifers is not a complete pathway.	Nuisance condition goals (taste and odor thresholds) are not applicable.

The only ESL which applies to groundwater beneath the AB&I Foundry Site is the ESL for vapor intrusion into indoor air. ESL vapor intrusion numbers are included on the analytical data tables

(Tables 2, 3, 4, C2, and C3) and were compared with site data. Currently, none of the wells contain VOC concentrations at levels that exceed the ESLs for vapor intrusion. Historical data which exceeded vapor intrusion ESLs are shaded in grey. Only two wells have historically contained VOC concentrations at levels that exceed vapor intrusion ESLs (vinyl chloride in MW-3 and vinyl chloride and 1,1-DCA in well MW-8). Concentrations in both of these wells have decreased to levels that are below ESLs as a result of the 2009 EOS[®] injections.

7.0 CONCLUSIONS AND RECOMMENDATIONS

In the letter dated March 2, 2010, Alameda County concurred that no further active remediation is required at the Site at this time. The County requested continued groundwater monitoring of wells MW-3, MW-8, and MW-9 to confirm the effectiveness of enhanced biodegradation. Additional monitoring of these wells occurred in April, June, and December 2010. Based on the recent and historical monitoring results, SGI maintains that with the development of a Site Management Plan and deed restriction for the Site, no further action is warranted and the Site may be closed based on low risk. Site Closure is warranted based on the following rationale:

- All sources have been removed from the Site. The seven underground storage tanks (USTs) were removed between 1982 and the early 1990s. No other known sources are present at the facility.
- Impacts to soil gas are low and not present at levels which warrant remediation or monitoring. A risk assessment was completed and results indicated that concentrations are present at levels that are acceptable and within the USEPA acceptable risk range. Results of soil gas sampling activities and risk assessment were presented in the Supplemental Soil Vapor Investigation Report (SGI, 2009b) and approved in the ACEH letter dated May 20, 2009.
- Groundwater monitoring has occurred at the site since 1993 and a review of the data indicates stable to declining groundwater VOC and petroleum hydrocarbon concentrations. Over the last 3 years VOC concentrations in all but three monitoring wells have been below MCLs. Bioremediation substrates were injected into the three MCL exceedance areas in 2009 and monitoring results indicated stable to declining concentrations, as summarized below.
 - Well MW-3 – Chlorinated VOCs in groundwater in the vicinity of MW-3 have historically exceeded MCLs. The only constituent which has historically exceeded vapor intrusion ESLs is vinyl chloride. In June 2009, EOS[®] was injected into the area (Figure 5) to promote biodegradation of VOCs. Since that time, VOC concentrations have been reduced by approximately 96% with only vinyl chloride remaining slightly above MCLs. Vinyl chloride is a daughter product of the biodegradation process. Figure 6 provides the chlorinated VOC trends in MW-3. Following the injection event, parent products (1,1-DCA and 1,1-DCE) decreased and a temporary increase of daughter products (chloroethane, methane, vinyl chloride, and ethene) was observed. Monitoring activities have confirmed that daughter products are continuing to decrease over time, are well below ESLs for vapor intrusion (Table E-1), and have reached or are approaching MCL concentrations. No further remediation or monitoring is warranted at this location.

- Well MW-8 - VOCs in groundwater in the vicinity of MW-8 have historically exceeded MCLs. In addition, 1,1-DCA and vinyl chloride have historically exceeded vapor intrusion ESLs. In June 2009, EOS[®] was injected into the area (Figure 5) to promote biodegradation of VOCs. Since that time, VOC concentrations have been reduced by approximately 98% with all constituents decreasing to below vapor intrusion ESLs. Concentrations of 1,1-DCA, vinyl chloride, and benzene have decreased to below MCLs. Figure 7 provides the chlorinated VOC trends in MW-8. Following the injection event, parent products (1,1,1-TCA, 1,1-DCA and 1,1-DCE) decreased and a temporary increase of daughter products (chloroethane, methane, vinyl chloride, and ethene) was observed. Monitoring activities have confirmed that daughter products are continuing to decrease over time, are well below vapor intrusion ESLs (Table E-1), and are below MCLs. No further remediation or monitoring is warranted at this location.
- Well MW-9 – The only constituent in well MW-9 that has historically exceeded MCLs is benzene. All constituents have consistently been below vapor intrusion ESLs. In June 2009, approximately 2,018 gallons of ORC/Regenox were injected into the area (Figure 4) to promote biodegradation of petroleum constituents. Since that time, benzene concentrations have been reduced by approximately 57%. Although recent monitoring activities have indicated a rebound in benzene and TPH concentrations, benzene and TPH concentrations in downgradient wells (MW-4, MW-2R and MW-5) are below laboratory detection limits, indicating that the relatively low residual impacts are isolated to the area in the vicinity of MW-9. No further remediation or monitoring is warranted at this location.

SGL proposes that the residual impacts in soil and groundwater be addressed through preparation of a risk management plan and deed restriction. The risk management plan will be developed to govern future intrusive work at the Site. It will be used by parties involved in future redevelopment and/or intrusive work such as soil excavation, trenching, new construction, grading, and utility repair. In addition, a deed restriction be implemented as part of Site closure. The deed restriction will specify that the area of soil and groundwater impact would limit the Site to commercial use. It will prohibit the use of shallow groundwater as a source of drinking water, residential uses, daycares, playgrounds, schools, and hospitals. The deed restriction would follow a format acceptable to ACEH and run with the land indefinitely.

8.0 REFERENCES

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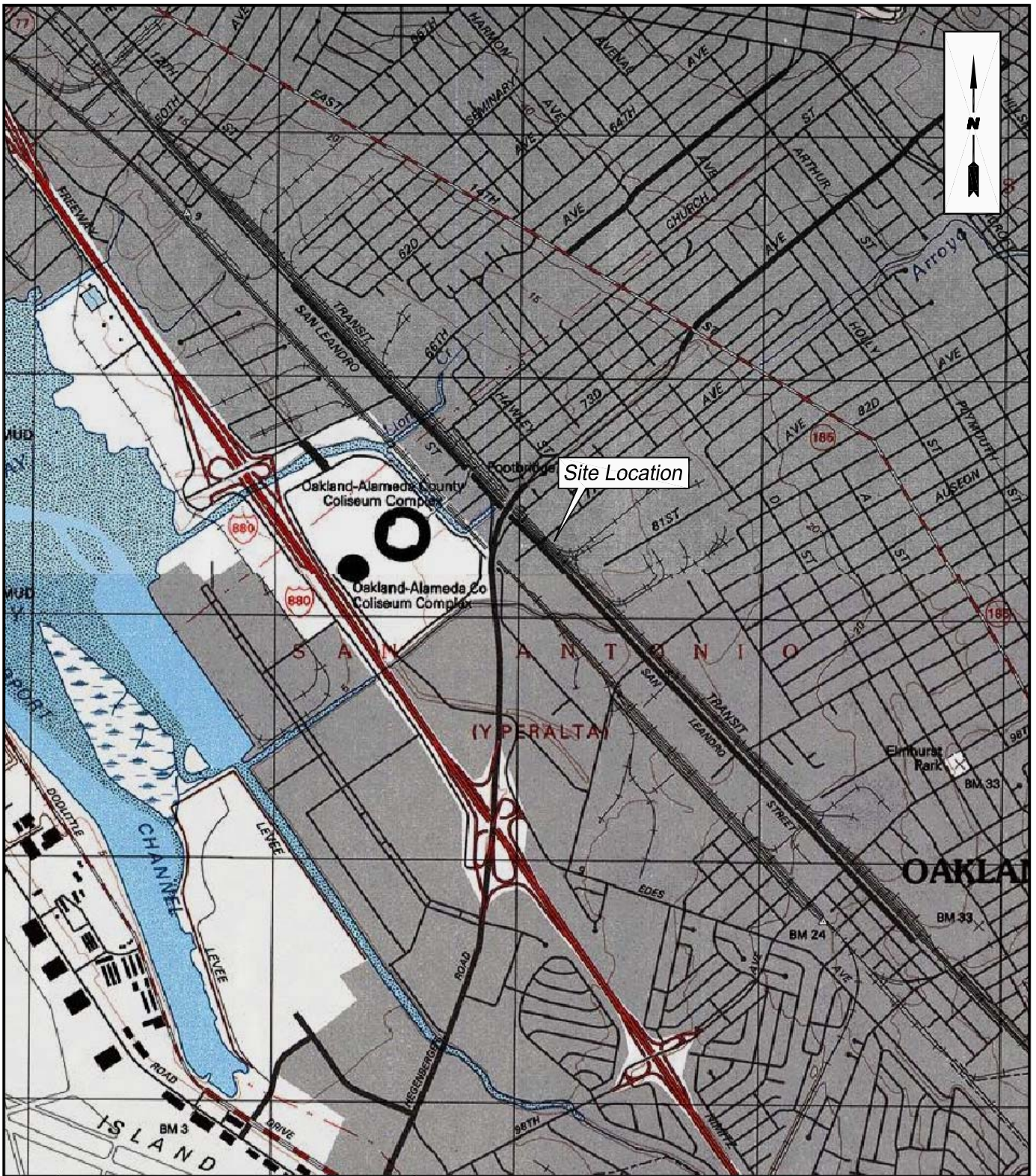
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The Source Group, Inc. (SGI 2009d). "Enhanced Aerobic Biodegradation Pilot Study Report – Former Three 10,000-Gallon USTs Area", AB&I Foundry, 7825 San Leandro Street, Oakland, California. October 7.

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FIGURES



SGI THE SOURCE GROUP, INC.
environmental

3451-C VINCENT ROAD
 PLEASANT HILL, CA 94523

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

SCALE:



SITE LOCATION MAP

CLIENT:

AB&I FOUNDRY

DATE:

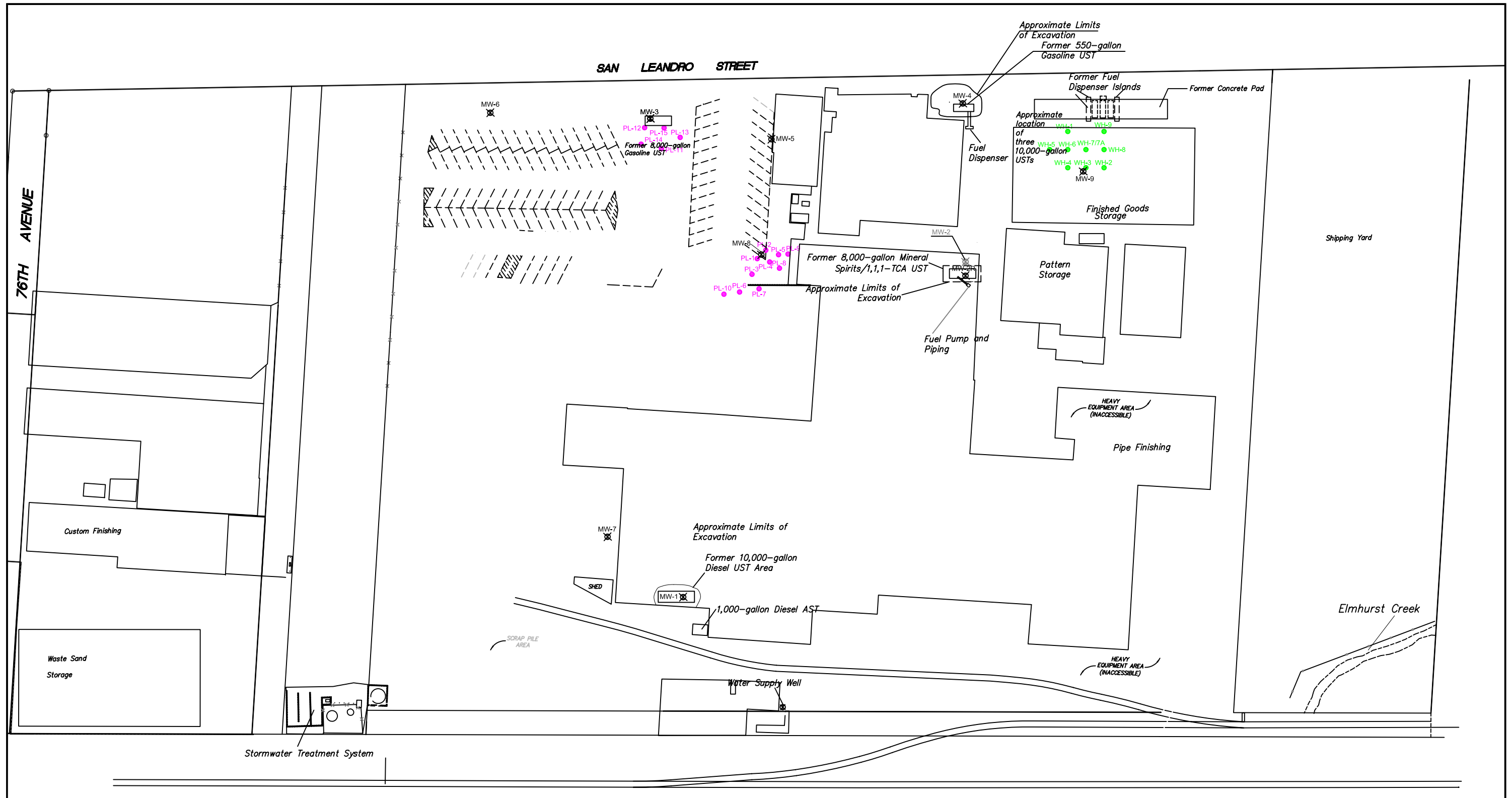
6/27/07

LOCATION:






7825 San Leandro Street
 Oakland, California

FIGURE:

1



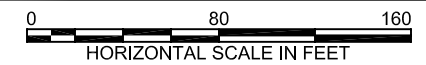
LEGEND

- MW-2R  Existing Monitoring Well Location (BSK, 1993, 2006)
- MW-2  Abandoned Monitoring Well (BSK, 2006)
- UST  Underground Storage Tank
- PL-10  June 2009 EAB Injection Location
- PL-13  June 2009 EAnB Injection Location

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

SITE PLAN

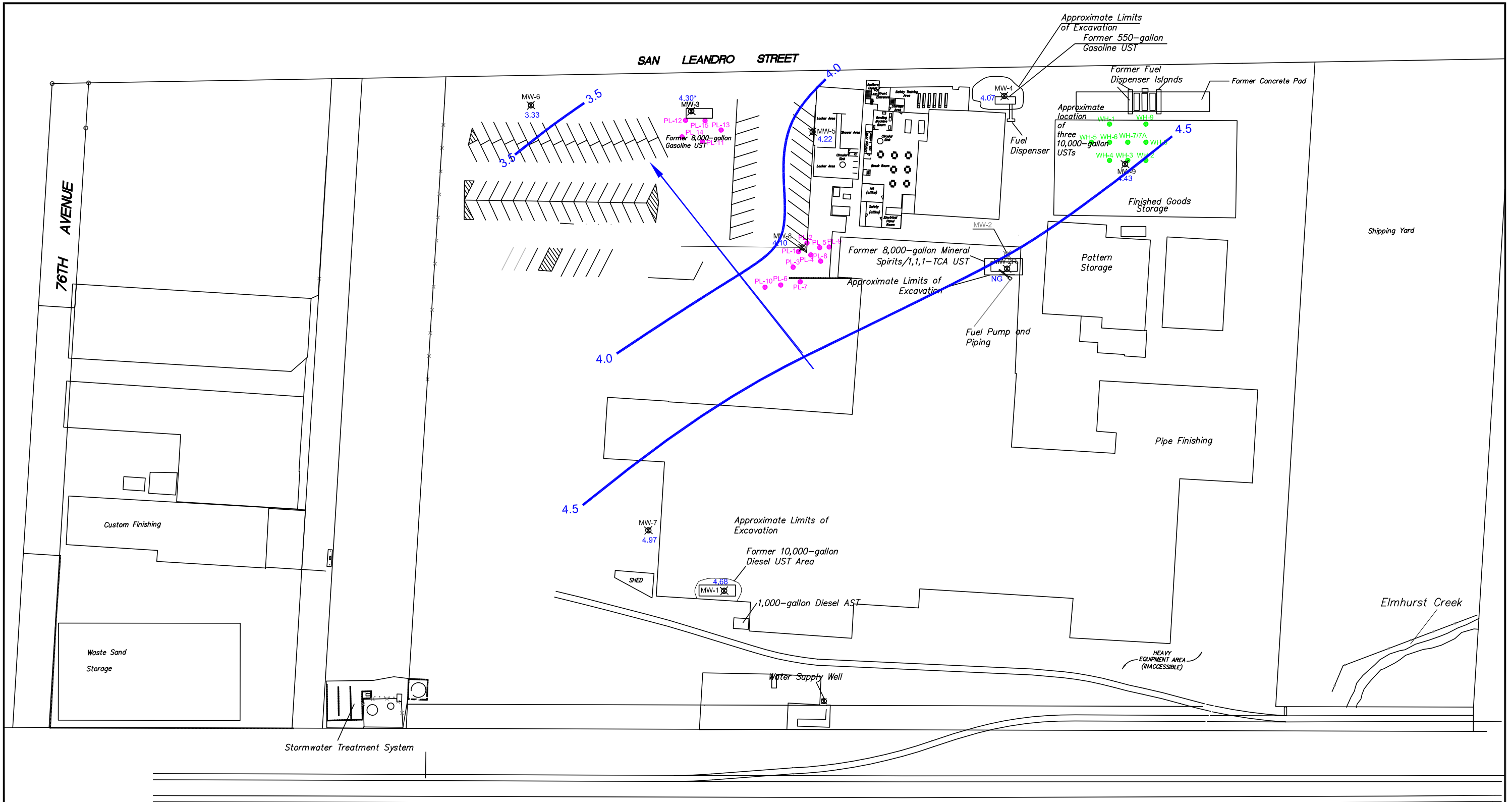
PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-ABI-001	08/30/2010	ZA	KD



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



FIGURE 2



LEGEND

- MW-2R Existing Monitoring Well Location (BSK, 1993, 2006)
- MW-2 Abandoned Monitoring Well (BSK, 2006)
- UST Underground Storage Tank
- PL-10 June 2009 EAB Injection Location
- PL-13 June 2009 EAnB Injection Location

2.5 — 2.5 Groundwater Elevation Contour (in feet above mean sea level)

→ Groundwater Flow Direction

4.30* Groundwater Surface Elevation Not Used

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

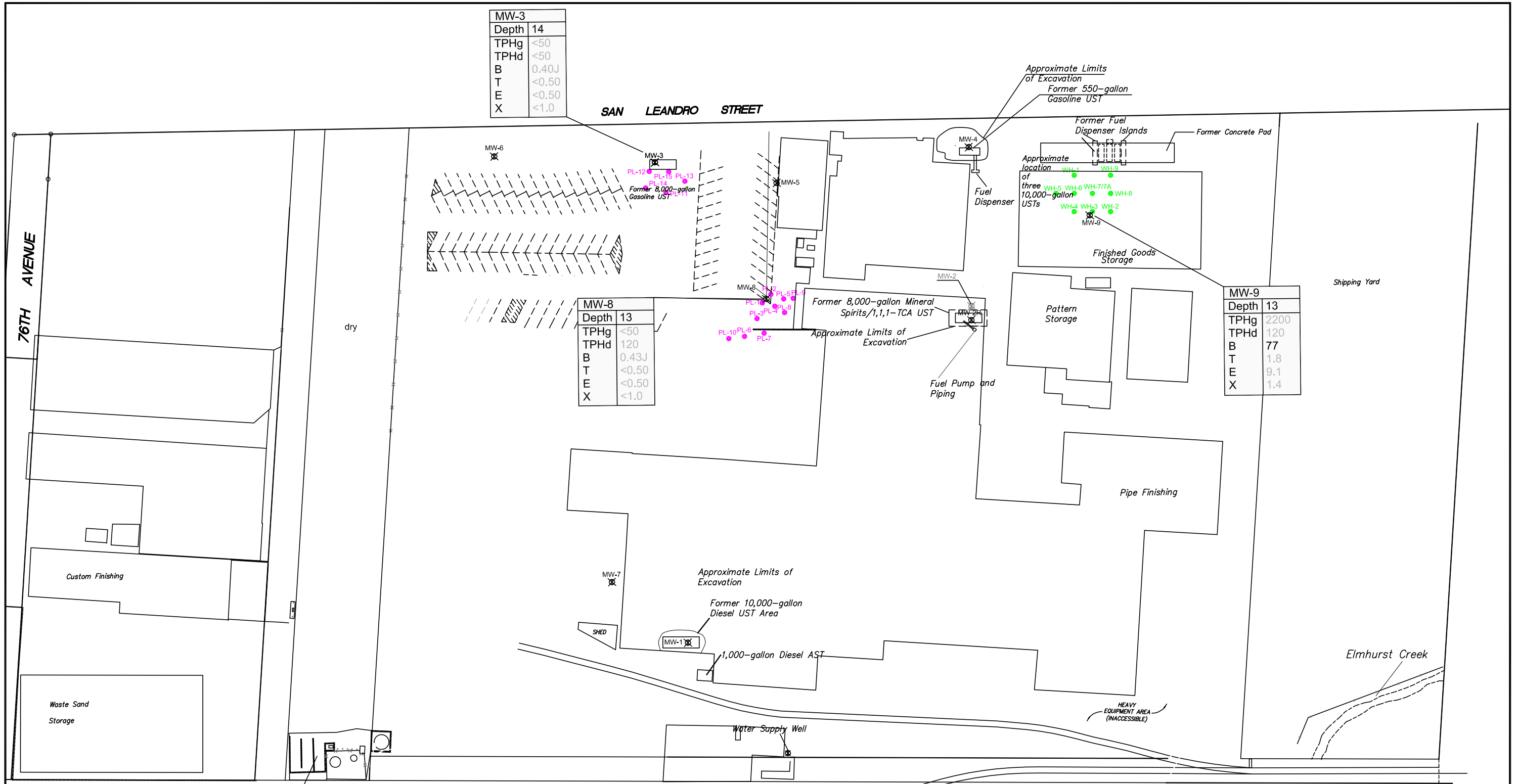
PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-ABI-001	1/12/2010	ZA	KD

0 80 160
HORIZONTAL SCALE IN FEET

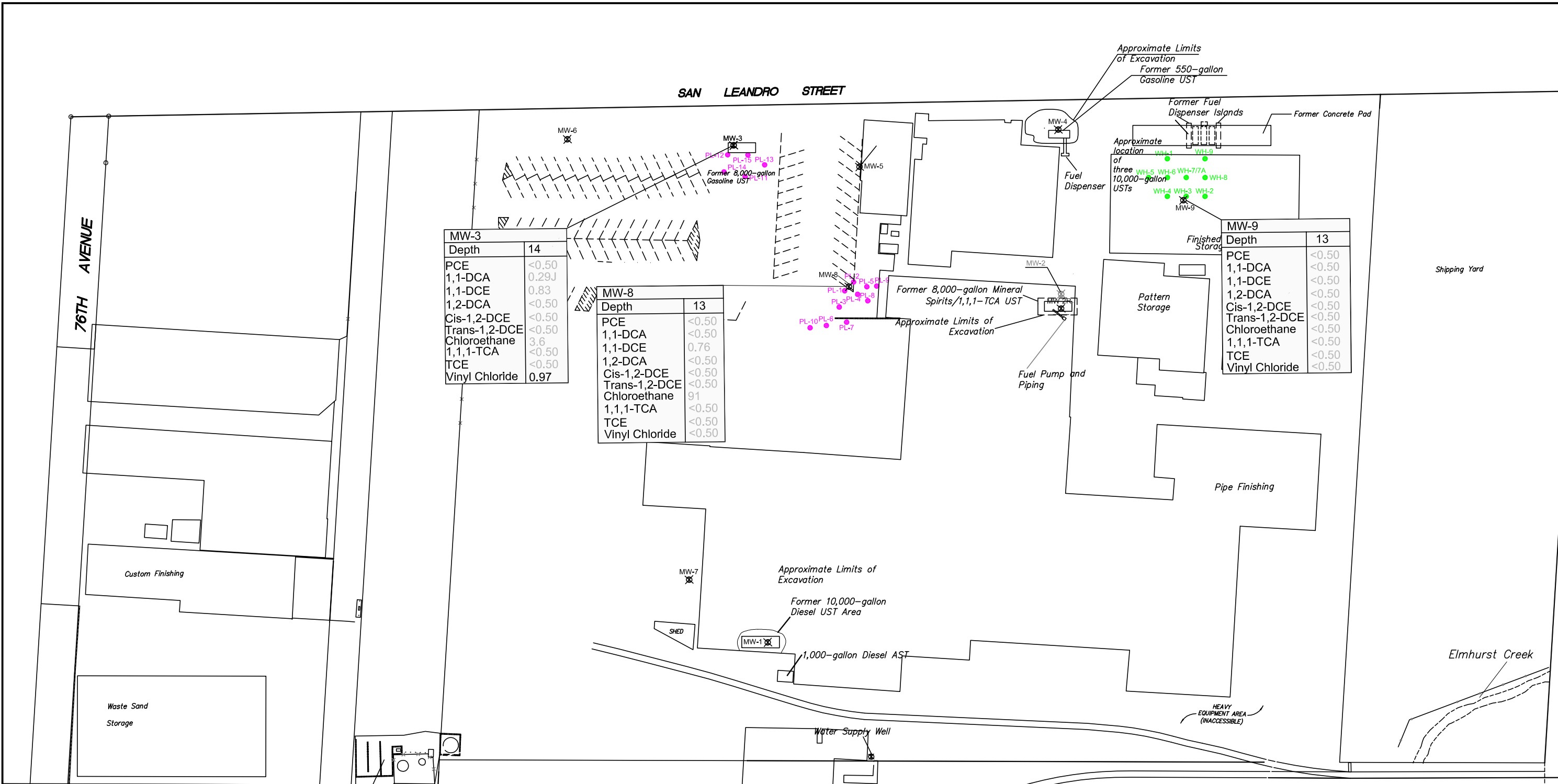
POTENTIOMETRIC SURFACE MAP
DECEMBER 22, 2010

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


FIGURE
3



LEGEND MW-1 Boring ID Depth Depth in feet below ground surface TPHg Total Petroleum Hydrocarbons as Gasoline TPHd Total Petroleum Hydrocarbons as Diesel B Benzene T Toluene E Ethylbenzene X Xylene <0.5 Not Detected at or above the laboratory Practical Quantitation Limit (PQL) of <0.50 ug/l	*1200 Reported TPHg concentrations include chlorinated solvents in the gasoline range. MW-2R Existing Monitoring Well Location (BSK, 1993, 2006) MW-2 Abandoned Monitoring Well (BSK, 2006) PL-13 June 2009 EAnB Injection Location PL-10 June 2009 EAB Injection Location	NOTES: 1. Concentrations reported in micrograms per liter (ug/l) 2. Concentrations in bold exceed MCLs	AB&I FOUNDRY 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA				GROUNDWATER ANALYTICAL RESULTS -TPHg, TPHd, and BTEX- DECEMBER 2010						
			<table border="1"> <tr><td>PROJECT NO.</td><td>DATE</td><td>DRAWN BY:</td><td>APP. BY:</td></tr> <tr><td>01-ABI-001</td><td>1/12/2010</td><td>ZA</td><td>KD</td></tr> </table>	PROJECT NO.	DATE	DRAWN BY:	APP. BY:	01-ABI-001	1/12/2010	ZA	KD	 HORIZONTAL SCALE IN FEET	
PROJECT NO.	DATE	DRAWN BY:	APP. BY:										
01-ABI-001	1/12/2010	ZA	KD										



MW-3	Depth	14
	PCE	<0.50
	1,1-DCA	0.29J
	1,1-DCE	0.83
	1,2-DCA	<0.50
	Cis-1,2-DCE	<0.50
	Trans-1,2-DCE	<0.50
	Chloroethane	3.6
	1,1,1-TCA	<0.50
	TCE	<0.50
	Vinyl Chloride	0.97

MW-8	Depth	13
	PCE	<0.50
	1,1-DCA	<0.50
	1,1-DCE	0.76
	1,2-DCA	<0.50
	Cis-1,2-DCE	<0.50
	Trans-1,2-DCE	<0.50
	Chloroethane	91
	1,1,1-TCA	<0.50
	TCE	<0.50
	Vinyl Chloride	<0.50

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

LEGEND

MW-2R	Boring ID
Depth	Depth in feet below ground surface
PCE	Tetrachlorethane
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2-DCA	1,2 Dichloroethane
Cis-1,2-DCE	Cis-1,2-dichloroethene
Trans-1,2-DCE	Trans-1,2-dichloroethene
Chloroethane	Chloroethane
1,1,1-TCA	1,1,1-trichloroethane
TCE	Trichloroethene
Vinyl Chloride	Vinyl Chloride

<0.5 Not Detected at or above the laboratory Practical Quantitation Limit (PQL) of <0.50 ug/l
 MW-2R Existing Monitoring Well Location (BSK, 1993, 2006)
 MW-2 Abandoned Monitoring Well (BSK, 2006)
 PL-10 June 2009 EAB Injection Location
 PL-13 June 2009 EAnB Injection Location

NOTES:

1. Concentrations reported in micrograms per liter (ug/l)
2. Concentrations in bold exceed MCLs

AB&I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-ABI-001	08/24/2010	ZA	KD

0 80 160
 HORIZONTAL SCALE IN FEET

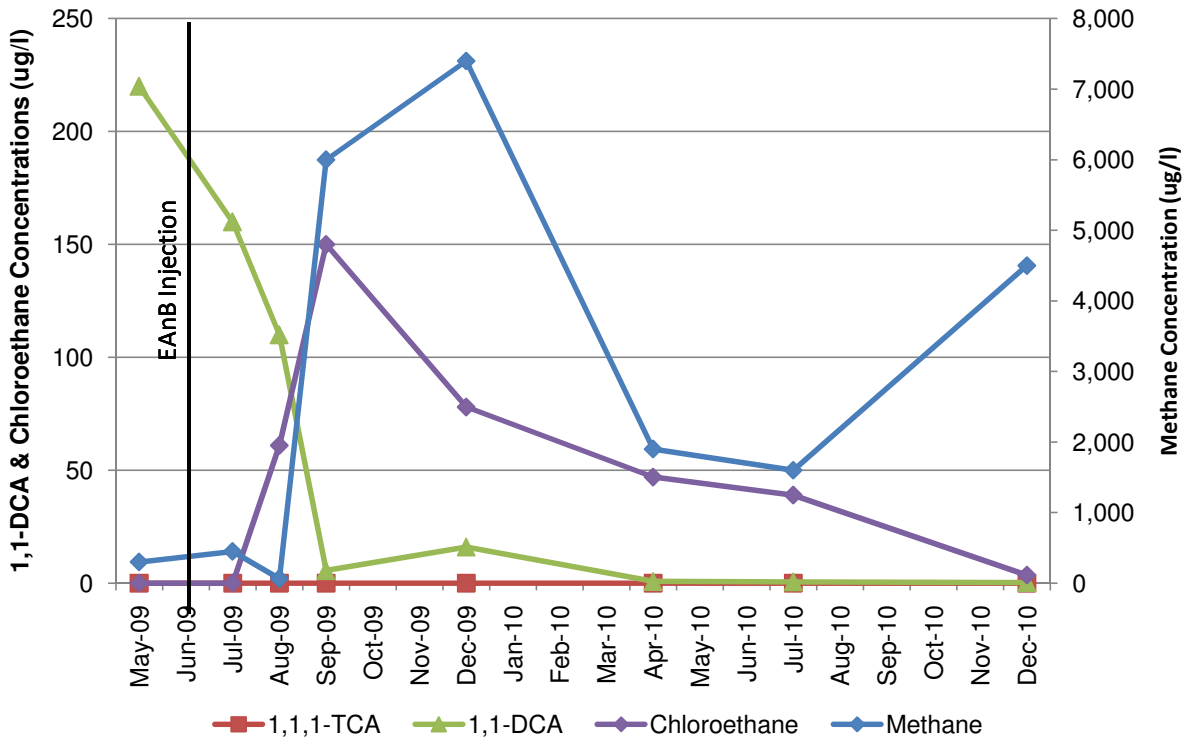
GROUNDWATER ANALYTICAL RESULTS
-CHLORINATED VOCs-
DECEMBER 2010

environmental
 3451-C VINCENT ROAD
 PLEASANT HILL, CA 94523

FIGURE
5

Figure 6
EAnB Effectiveness Results: MW-3

1,1-DCA, Chloroethane, and Methane Trends



1,1-DCE, Vinyl Chloride, and Ethene Trends

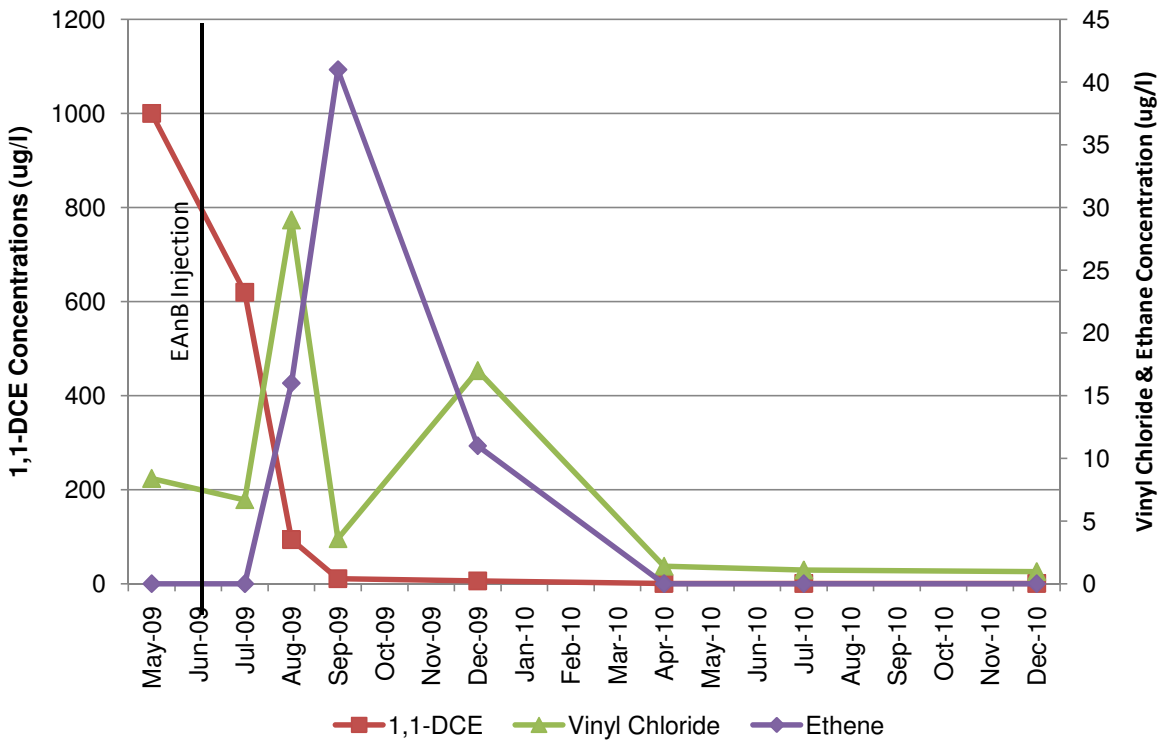
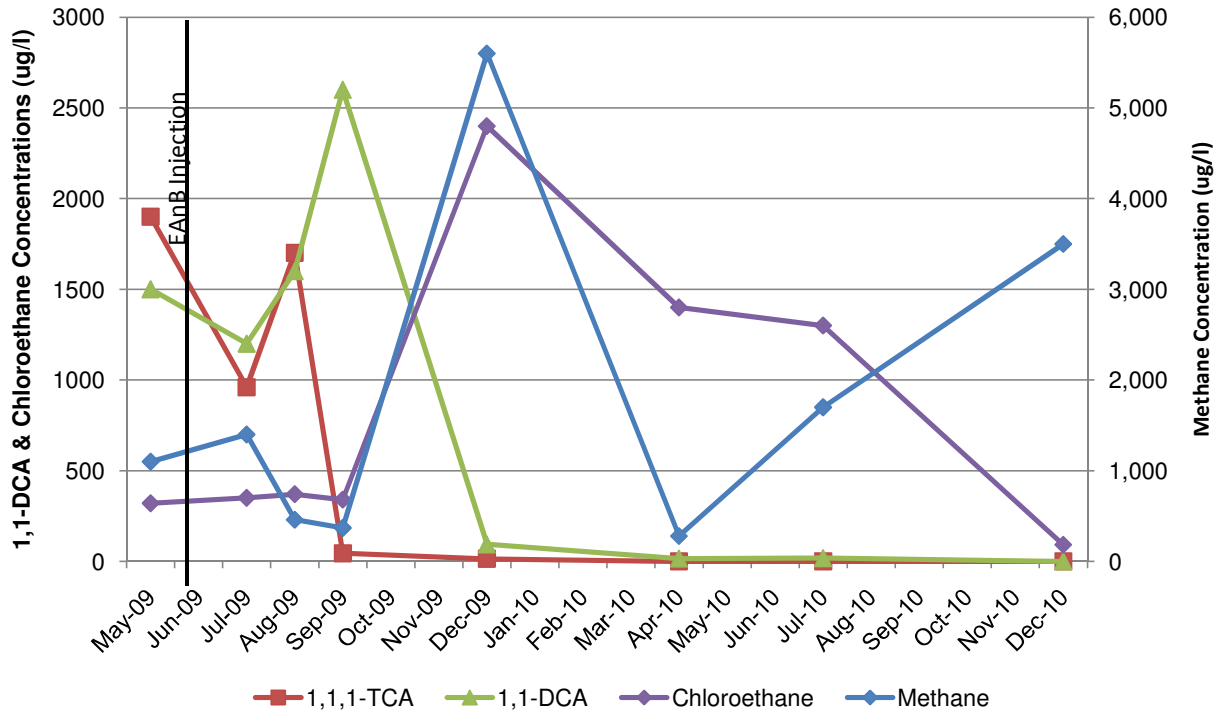


Figure 7
EAnB Effectiveness Results: MW-8

1,1,1-TCA, 1,1-DCA, Chloroethane, and Methane Trends



1,1-DCE, Vinyl Chloride, and Ethene Trends

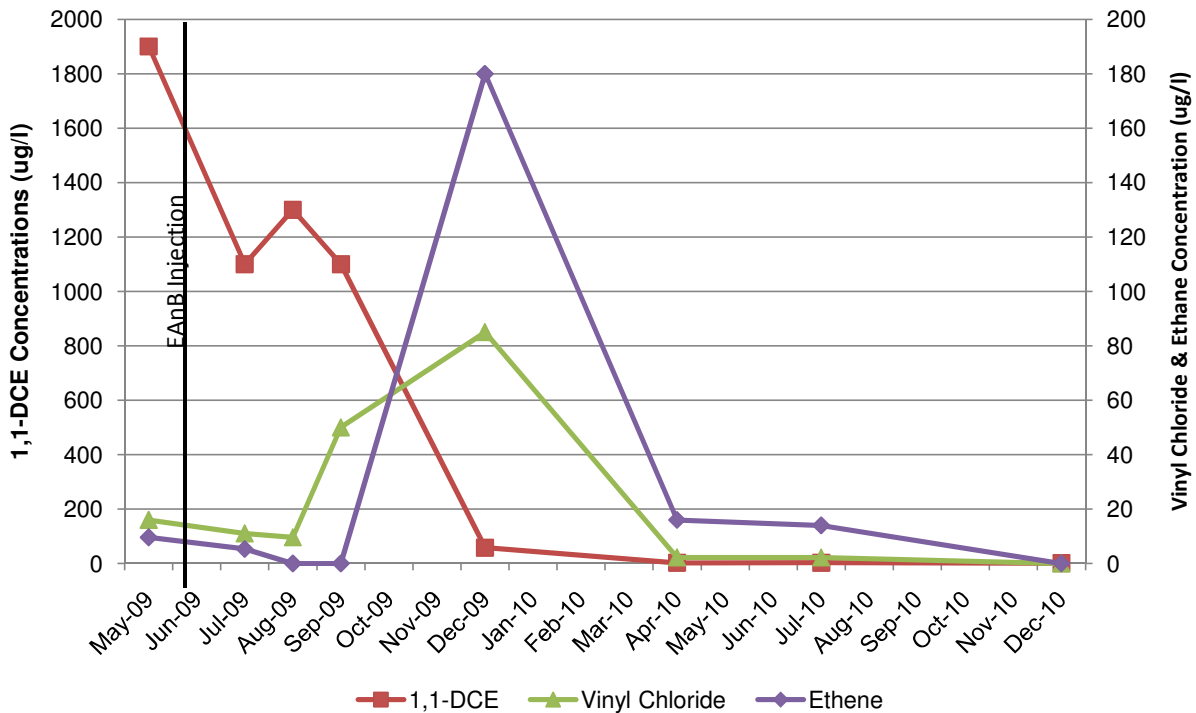
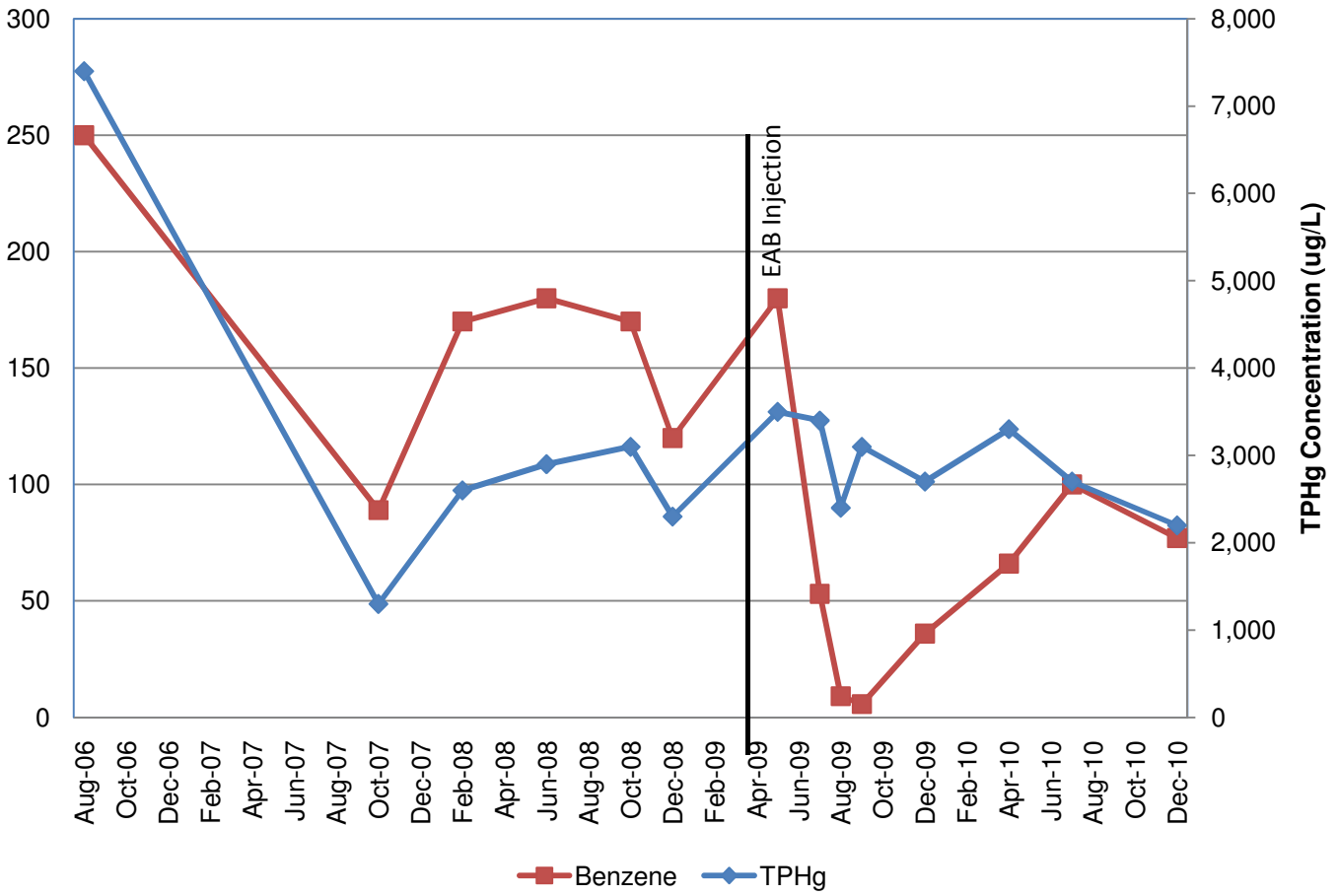


Figure 8 Benzene and TPHg Concentration Trend: MW-9



TABLES

Table 1
Well Construction Details and Groundwater Elevation - December 2010

AB&I Foundry
7825 San Leandro Street
Oakland, California

Well Number	Total Depth¹ <i>(feet, bgs¹)</i>	Solid Casing² <i>(feet, bgs¹)</i>	Screened Interval³ <i>(feet, bgs¹)</i>	Top of Casing <i>(feet, msl⁴)</i>	Depth to Water <i>(feet, btoc⁵)</i>	Groundwater Elevation <i>(feet, msl⁶)</i>
MW-1	23	0-10	10-20	9.60	4.92	4.68
MW-2	17	0-8	8-17	NM	NM	Destroyed
MW-2R	20.5	0-5	5-20	7.49	NM	NM
MW-3	19.5	0-9	9-19	9.90	5.60	4.30
MW-4	26.5	0-10	10-25	10.49	6.42	4.07
MW-5	20.5	0-5	5-20	10.92	6.70	4.22
MW-6	20.5	0-5	5-20	10.19	6.86	3.33
MW-7	20.5	0-5	5-20	10.61	5.64	4.97
MW-8	20.5	0-5	5-20	11.19	7.09	4.10
MW-9	20.5	0-5	5-20	7.95	3.52	4.43

Notes:

- 1) feet, bgs = 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 22, 2010
- 6) Groundwater elevation in feet above mean sea level (msl)

Table 2
Summary of Semi-Annual Groundwater Monitoring Results - December 2010

AB&I Foundry
7825 San Leandro Street
Oakland, California

Sample ID	Date	TPHg	TPHd	Ethane	Ethylene	Methane	TOC	1,1 - DCA	1,1 - DCE	1,2-DCA	trans 1,2-DCE	cis 1,2-DCE	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Benzene	Chloroethane	Ethylbenzene	1,2,3-Trichloropropane	Tert-Butylbenzene	Isopropylbenzene	4-Isopropyltoluene	Toluene	1,1,1-TCA	Vinyl chloride	m,p-Xylene	Naphthalene	
Units		(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)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MCLs		NE	NE	NE	NE	NE	NE	5.0	6.0	0.5	10	6.0	260*	260*	260*	1.0	NE	700	0.005*	260*	770*	NE	150	200	0.5	1750	17*	
RWQCB ESLs (VI)		NE	NE	NE	NE	NE	NE	3,400	18,000	690	19,000	17,000	NE	NE	NE	1,800	2,700	170,000	NE	NE	NE	NE	530,000	360,000	13	160,000	11,000	
MW-3	12/22/2010	<50	<50	<10	<15	4,500	40,000	0.29 J	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.40 J	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.97	<1.0	<0.50
MW-8	12/22/2010	<50	120	<10	<15	3,500	85,000	<0.50	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.43 J	91	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-9	12/22/2010	2,200	120	6.8	<3.0	2,200	24,000	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	12.0	1.8	77	<0.50	9.1	<0.50	0.41 J	12	2.3	1.8	<0.50	<0.50	1.4	0.75	

Notes:

Values in bold exceed MCLs

NE - value not established

NA - note analyzed

Dup - Duplicate sample

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 - not reported at or above laboratory's reporting limit of 0.50 µg/L

J - analyte detected below quantitation limits

MCL - California EPA Department of Health Service Maximum concentration levels for drinking water

* California Department of Health Drinking Water Program, Drinking Water Notification Level, December 14, 2007

RWQCB ESLs (VI) - Regional Water Quality Control Board Environmental Screening Levels based on vapor intrusion concerns for commercial land use scenario.

APPENDIX A

FIELD SAMPLING SHEETS

Groundwater Monitoring Well Water Level Gauging Form The Source Group, Inc.

PROJECT NAME: AB&I
 PROJECT NO.: 01-ABI-001
 TASK NO.: _____

DATE: 12-22-10
 PERSONNEL: H. Newton

Well I.D.	Date	Time (24 hr)	Casing Diameter (inches)	TOC (ft msl)	DTW (ft)	Total Depth (ft)	Well Location	Comments:
MW-1	12-22	1012	2	19.15	4.92			
* MW-2R		1028	-	-	-			*pallets covering well
MW-3		0942	2	18.70	5.60			
MW-4		1040	2	23.40	6.42			
MW-5		0954	2	19.99	6.70			
MW-6		0935	2	19.95	6.36			
MW-7		1008	2	19.62	5.64			
MW-8		0959	2	19.65	7.09			
MW-9		1035	2	19.50	3.52			

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: 12-22-10

SAMPLE TIME: 1157

SAMPLE DATE: 12-22-10

PERSONNEL: H. Newton

INITIAL DTW (ft): 5.60

DEPTH TO BOTTOM (ft): 18.70

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
5.60	1132	-	-	-	-	-	-	black cloudy	-	
6.78	1137	.5	6.73	2674	21.80	2.06	-148.5	cloudy	1297.9	
7.03	1142	1	6.69	2650	21.76	3.26	-167.4	clear	162.3	
7.07	1147	1.5	6.66	2652	21.78	3.12	-163.7	" "	4.4	
7.12	1152	2	6.63	2653	21.80	3.11	-163.2	" "	4.5	
7.15	1157	2.5	6.64	2655	21.79	3.09	-162.7	" "	4.7	

Total Gallons Purged: 2.5

2"

Purging Method

Submersible Bladder Pump

12 Volt Pump

Peristaltic Pump

Bailer

WELL SAMPLING:

DTW at Time of Sampling: 7.15

Sampling Method

2"
Submersible Bladder Pump

12 Volt Pump

Peristaltic Pump

Bailer

SAMPLE ID: mw-3

QA/QC SAMPLING:

WAS QA/QC SAMPLE COLLECTED AFTER THIS WELL?

YES / NO

IF SO, SAMPLE ID: _____

TYPE: Rinsate Blank

Duplicate Field Blank

COMMENTS:

Groundwater Monitoring Well Field Sampling Form

The Source Group, Inc.

PROJECT NAME: AB&I

PROJECT NO.: 01-ABI-001

TASK NO.: _____

WELL ID: MW-8

PURGE DATE: 12-22-10

SAMPLE TIME: 1325

SAMPLE DATE: 12-22-10

PERSONNEL: H. Newton

INITIAL DTW (ft): 7.09

DEPTH TO BOTTOM (ft): 19.65

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)	Dissolved Oxygen (mg/L)	REDOX (mV)	Color	Turbidity	Other Observations
7.09	1300	-	-	-	-	-	-	cloudy	-	
8.10	1305	.5	6.74	611	18.32	18.50	-186.1	" "	517.1	
8.14	1310	1	6.42	368	18.42	1.88	-187.1	" "	533.7	
8.17	1315	1.5	6.37	349	18.44	1.74	-188.5	" "	130.7	
8.21	1320	2	6.35	350	18.45	1.71	-187.3	" "	127.3	
8.24	1325	2.5	6.34	354	18.46	1.70	-187.0	" "	126.5	

Total Gallons Purged: 2.5

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

WELL SAMPLING:

DTW at Time of Sampling: 8.24

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: _____ 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: 12-22-10

SAMPLE TIME: 1115

SAMPLE DATE: 12-22-10

PERSONNEL: H. Newton

INITIAL DTW (ft): 3.52

DEPTH TO BOTTOM (ft): 19.50

WELL DIAM. (in): 2

PUMP INTAKE DEPTH (ft): _____

3 VOLUMES (gals): micro purge
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)	ORP-REDOX (mV)	Color	Turbidity	Other Observations
3.52	1055	.5	7.10	1555	17.29	19.80	-149.3	clear	8.9	
5.05	1100	1	7.13	1543	17.32	2.46	-143.7	" "	5.2	
5.08	1105	1.5	7.15	1544	17.33	2.20	-145.6	" "	4.2	
5.12	1110	2	7.16	1544	17.34	2.10	-148.1	" "	4.1	
5.15	1115	2.5	7.14	1543	17.36	2.09	-148.4	" "	3.9	

Total Gallons Purged: 2.5
2"

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

WELL SAMPLING:

DTW at Time of Sampling: 5.15

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:

APPENDIX B

LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS

January 07, 2011



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
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 115468

RE: AB&I, 01-ABI-001

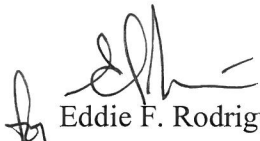
Attention: Kent Reynolds

Enclosed are the results for sample(s) received on December 23, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

Sincerely,


Eddie F. Rodriguez
Laboratory Director

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.

CLIENT: The Source Group Inc.
Project: AB&I, 01-ABI-001
Lab Order: 115468

CASE NARRATIVE

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

Analytical Comments for EPA 8260B

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



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-001A

Client Sample ID: MW-9
Collection Date: 12/22/2010 11:15:00 AM
Matrix: GROUNDWATER

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

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS12_101227B	QC Batch: Y10VW029	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 0.45	0.50	µg/L 1 12/28/2010 12:28 AM
1,1,1-Trichloroethane	ND 0.27	0.50	µg/L 1 12/28/2010 12:28 AM
1,1,2,2-Tetrachloroethane	ND 0.35	0.50	µg/L 1 12/28/2010 12:28 AM
1,1,2-Trichloroethane	ND 0.43	0.50	µg/L 1 12/28/2010 12:28 AM
1,1-Dichloroethane	ND 0.17	0.50	µg/L 1 12/28/2010 12:28 AM
1,1-Dichloroethene	ND 0.19	0.50	µg/L 1 12/28/2010 12:28 AM
1,1-Dichloropropene	ND 0.30	0.50	µg/L 1 12/28/2010 12:28 AM
1,2,3-Trichlorobenzene	ND 0.48	0.50	µg/L 1 12/28/2010 12:28 AM
1,2,3-Trichloropropane	ND 0.24	0.50	µg/L 1 12/28/2010 12:28 AM
1,2,4-Trichlorobenzene	ND 0.43	0.50	µg/L 1 12/28/2010 12:28 AM
1,2,4-Trimethylbenzene	ND 0.44	0.50	µg/L 1 12/28/2010 12:28 AM
1,2-Dibromo-3-chloropropane	ND 0.35	0.50	µg/L 1 12/28/2010 12:28 AM
1,2-Dibromoethane	ND 0.37	0.50	µg/L 1 12/28/2010 12:28 AM
1,2-Dichlorobenzene	ND 0.27	0.50	µg/L 1 12/28/2010 12:28 AM
1,2-Dichloroethane	ND 0.16	0.50	µg/L 1 12/28/2010 12:28 AM
1,2-Dichloropropane	ND 0.20	0.50	µg/L 1 12/28/2010 12:28 AM
1,3,5-Trimethylbenzene	ND 0.36	0.50	µg/L 1 12/28/2010 12:28 AM
1,3-Dichlorobenzene	ND 0.28	0.50	µg/L 1 12/28/2010 12:28 AM
1,3-Dichloropropane	ND 0.32	0.50	µg/L 1 12/28/2010 12:28 AM
1,4-Dichlorobenzene	ND 0.24	0.50	µg/L 1 12/28/2010 12:28 AM
2,2-Dichloropropane	ND 0.32	0.50	µg/L 1 12/28/2010 12:28 AM
2-Chlorotoluene	ND 0.31	0.50	µg/L 1 12/28/2010 12:28 AM
4-Chlorotoluene	ND 0.23	0.50	µg/L 1 12/28/2010 12:28 AM
4-Isopropyltoluene	2.3 0.36	0.50	µg/L 1 12/28/2010 12:28 AM
Benzene	77 0.17	0.50	µg/L 1 12/28/2010 12:28 AM
Bromobenzene	ND 0.21	0.50	µg/L 1 12/28/2010 12:28 AM
Bromodichloromethane	ND 0.39	0.50	µg/L 1 12/28/2010 12:28 AM
Bromoform	ND 0.30	0.50	µg/L 1 12/28/2010 12:28 AM
Bromomethane	ND 0.32	0.50	µg/L 1 12/28/2010 12:28 AM
Carbon tetrachloride	ND 0.38	0.50	µg/L 1 12/28/2010 12:28 AM
Chlorobenzene	ND 0.28	0.50	µg/L 1 12/28/2010 12:28 AM
Chloroethane	ND 0.35	0.50	µg/L 1 12/28/2010 12:28 AM
Chloroform	ND 0.23	0.50	µg/L 1 12/28/2010 12:28 AM
Chloromethane	ND 0.32	0.50	µg/L 1 12/28/2010 12:28 AM
cis-1,2-Dichloroethene	ND 0.15	0.50	µg/L 1 12/28/2010 12:28 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



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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-001A

Client Sample ID: MW-9
Collection Date: 12/22/2010 11:15:00 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: MS12_101227B	QC Batch: Y10VW029	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	0.29	0.50	µg/L	1	12/28/2010 12:28 AM
Dibromochloromethane	ND	0.40	0.50	µg/L	1	12/28/2010 12:28 AM
Dibromomethane	ND	0.19	0.50	µg/L	1	12/28/2010 12:28 AM
Dichlorodifluoromethane	ND	0.33	0.50	µg/L	1	12/28/2010 12:28 AM
Ethylbenzene	9.1	0.22	0.50	µg/L	1	12/28/2010 12:28 AM
Hexachlorobutadiene	ND	0.28	0.50	µg/L	1	12/28/2010 12:28 AM
Isopropylbenzene	12	0.30	0.50	µg/L	1	12/28/2010 12:28 AM
m,p-Xylene	1.4	0.49	1.0	µg/L	1	12/28/2010 12:28 AM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/28/2010 12:28 AM
n-Butylbenzene	1.2	0.30	0.50	µg/L	1	12/28/2010 12:28 AM
n-Propylbenzene	12	0.36	0.50	µg/L	1	12/28/2010 12:28 AM
Naphthalene	0.75	0.35	0.50	µg/L	1	12/28/2010 12:28 AM
o-Xylene	ND	0.27	0.50	µg/L	1	12/28/2010 12:28 AM
sec-Butylbenzene	1.8	0.33	0.50	µg/L	1	12/28/2010 12:28 AM
Styrene	ND	0.38	0.50	µg/L	1	12/28/2010 12:28 AM
tert-Butylbenzene	0.41	0.35	0.50	µg/L	1	12/28/2010 12:28 AM
Tetrachloroethene	ND	0.19	0.50	µg/L	1	12/28/2010 12:28 AM
Toluene	1.8	0.22	0.50	µg/L	1	12/28/2010 12:28 AM
trans-1,2-Dichloroethene	ND	0.22	0.50	µg/L	1	12/28/2010 12:28 AM
Trichloroethene	ND	0.15	0.50	µg/L	1	12/28/2010 12:28 AM
Trichlorofluoromethane	ND	0.26	0.50	µg/L	1	12/28/2010 12:28 AM
Vinyl chloride	ND	0.34	0.50	µg/L	1	12/28/2010 12:28 AM
Surr: 1,2-Dichloroethane-d4	98.1	0	70-130	%REC	1	12/28/2010 12:28 AM
Surr: 4-Bromofluorobenzene	102	0	70-130	%REC	1	12/28/2010 12:28 AM
Surr: Dibromofluoromethane	104	0	70-130	%REC	1	12/28/2010 12:28 AM
Surr: Toluene-d8	116	0	70-130	%REC	1	12/28/2010 12:28 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



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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-002A

Client Sample ID: MW-3
Collection Date: 12/22/2010 11:57:00 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: MS12_101227B	QC Batch: Y10VW029	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	0.45	0.50	µg/L	1	12/28/2010 12:06 AM
1,1,1-Trichloroethane	ND	0.27	0.50	µg/L	1	12/28/2010 12:06 AM
1,1,2,2-Tetrachloroethane	ND	0.35	0.50	µg/L	1	12/28/2010 12:06 AM
1,1,2-Trichloroethane	ND	0.43	0.50	µg/L	1	12/28/2010 12:06 AM
1,1-Dichloroethane	0.29	0.17	0.50	J µg/L	1	12/28/2010 12:06 AM
1,1-Dichloroethene	0.83	0.19	0.50	µg/L	1	12/28/2010 12:06 AM
1,1-Dichloropropene	ND	0.30	0.50	µg/L	1	12/28/2010 12:06 AM
1,2,3-Trichlorobenzene	ND	0.48	0.50	µg/L	1	12/28/2010 12:06 AM
1,2,3-Trichloropropane	ND	0.24	0.50	µg/L	1	12/28/2010 12:06 AM
1,2,4-Trichlorobenzene	ND	0.43	0.50	µg/L	1	12/28/2010 12:06 AM
1,2,4-Trimethylbenzene	ND	0.44	0.50	µg/L	1	12/28/2010 12:06 AM
1,2-Dibromo-3-chloropropane	ND	0.35	0.50	µg/L	1	12/28/2010 12:06 AM
1,2-Dibromoethane	ND	0.37	0.50	µg/L	1	12/28/2010 12:06 AM
1,2-Dichlorobenzene	ND	0.27	0.50	µg/L	1	12/28/2010 12:06 AM
1,2-Dichloroethane	ND	0.16	0.50	µg/L	1	12/28/2010 12:06 AM
1,2-Dichloropropane	ND	0.20	0.50	µg/L	1	12/28/2010 12:06 AM
1,3,5-Trimethylbenzene	ND	0.36	0.50	µg/L	1	12/28/2010 12:06 AM
1,3-Dichlorobenzene	ND	0.28	0.50	µg/L	1	12/28/2010 12:06 AM
1,3-Dichloropropane	ND	0.32	0.50	µg/L	1	12/28/2010 12:06 AM
1,4-Dichlorobenzene	ND	0.24	0.50	µg/L	1	12/28/2010 12:06 AM
2,2-Dichloropropane	ND	0.32	0.50	µg/L	1	12/28/2010 12:06 AM
2-Chlorotoluene	ND	0.31	0.50	µg/L	1	12/28/2010 12:06 AM
4-Chlorotoluene	ND	0.23	0.50	µg/L	1	12/28/2010 12:06 AM
4-Isopropyltoluene	ND	0.36	0.50	µg/L	1	12/28/2010 12:06 AM
Benzene	0.40	0.17	0.50	J µg/L	1	12/28/2010 12:06 AM
Bromobenzene	ND	0.21	0.50	µg/L	1	12/28/2010 12:06 AM
Bromodichloromethane	ND	0.39	0.50	µg/L	1	12/28/2010 12:06 AM
Bromoform	ND	0.30	0.50	µg/L	1	12/28/2010 12:06 AM
Bromomethane	ND	0.32	0.50	µg/L	1	12/28/2010 12:06 AM
Carbon tetrachloride	ND	0.38	0.50	µg/L	1	12/28/2010 12:06 AM
Chlorobenzene	ND	0.28	0.50	µg/L	1	12/28/2010 12:06 AM
Chloroethane	3.6	0.35	0.50	µg/L	1	12/28/2010 12:06 AM
Chloroform	ND	0.23	0.50	µg/L	1	12/28/2010 12:06 AM
Chloromethane	ND	0.32	0.50	µg/L	1	12/28/2010 12:06 AM
cis-1,2-Dichloroethene	ND	0.15	0.50	µg/L	1	12/28/2010 12:06 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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Laboratories

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ANALYTICAL RESULTS

Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-002A

Client Sample ID: MW-3
Collection Date: 12/22/2010 11:57:00 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: MS12_101227B	QC Batch: Y10VW029				PrepDate:	Analyst: SLL	
cis-1,3-Dichloropropene	ND	0.29	0.50	µg/L	1	12/28/2010 12:06 AM	
Dibromochloromethane	ND	0.40	0.50	µg/L	1	12/28/2010 12:06 AM	
Dibromomethane	ND	0.19	0.50	µg/L	1	12/28/2010 12:06 AM	
Dichlorodifluoromethane	ND	0.33	0.50	µg/L	1	12/28/2010 12:06 AM	
Ethylbenzene	ND	0.22	0.50	µg/L	1	12/28/2010 12:06 AM	
Hexachlorobutadiene	ND	0.28	0.50	µg/L	1	12/28/2010 12:06 AM	
Isopropylbenzene	ND	0.30	0.50	µg/L	1	12/28/2010 12:06 AM	
m,p-Xylene	ND	0.49	1.0	µg/L	1	12/28/2010 12:06 AM	
Methylene chloride	ND	1.0	1.0	µg/L	1	12/28/2010 12:06 AM	
n-Butylbenzene	ND	0.30	0.50	µg/L	1	12/28/2010 12:06 AM	
n-Propylbenzene	ND	0.36	0.50	µg/L	1	12/28/2010 12:06 AM	
Naphthalene	ND	0.35	0.50	µg/L	1	12/28/2010 12:06 AM	
o-Xylene	ND	0.27	0.50	µg/L	1	12/28/2010 12:06 AM	
sec-Butylbenzene	ND	0.33	0.50	µg/L	1	12/28/2010 12:06 AM	
Styrene	ND	0.38	0.50	µg/L	1	12/28/2010 12:06 AM	
tert-Butylbenzene	ND	0.35	0.50	µg/L	1	12/28/2010 12:06 AM	
Tetrachloroethene	ND	0.19	0.50	µg/L	1	12/28/2010 12:06 AM	
Toluene	ND	0.22	0.50	µg/L	1	12/28/2010 12:06 AM	
trans-1,2-Dichloroethene	ND	0.22	0.50	µg/L	1	12/28/2010 12:06 AM	
Trichloroethene	ND	0.15	0.50	µg/L	1	12/28/2010 12:06 AM	
Trichlorofluoromethane	ND	0.26	0.50	µg/L	1	12/28/2010 12:06 AM	
Vinyl chloride	0.97	0.34	0.50	µg/L	1	12/28/2010 12:06 AM	
Surr: 1,2-Dichloroethane-d4	94.0	0	70-130	%REC	1	12/28/2010 12:06 AM	
Surr: 4-Bromofluorobenzene	98.7	0	70-130	%REC	1	12/28/2010 12:06 AM	
Surr: Dibromofluoromethane	104	0	70-130	%REC	1	12/28/2010 12:06 AM	
Surr: Toluene-d8	108	0	70-130	%REC	1	12/28/2010 12:06 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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Laboratories

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

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ANALYTICAL RESULTS

Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-003A

Client Sample ID: MW-8
Collection Date: 12/22/2010 1:25:00 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:	MS12_101228A	QC Batch:	Y10VW030	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	0.45	0.50	µg/L	1	12/28/2010 05:25 PM
1,1,1-Trichloroethane	ND	0.27	0.50	µg/L	1	12/28/2010 05:25 PM
1,1,2,2-Tetrachloroethane	ND	0.35	0.50	µg/L	1	12/28/2010 05:25 PM
1,1,2-Trichloroethane	ND	0.43	0.50	µg/L	1	12/28/2010 05:25 PM
1,1-Dichloroethane	ND	0.17	0.50	µg/L	1	12/28/2010 05:25 PM
1,1-Dichloroethene	0.76	0.19	0.50	µg/L	1	12/28/2010 05:25 PM
1,1-Dichloropropene	ND	0.30	0.50	µg/L	1	12/28/2010 05:25 PM
1,2,3-Trichlorobenzene	ND	0.48	0.50	µg/L	1	12/28/2010 05:25 PM
1,2,3-Trichloropropane	ND	0.24	0.50	µg/L	1	12/28/2010 05:25 PM
1,2,4-Trichlorobenzene	ND	0.43	0.50	µg/L	1	12/28/2010 05:25 PM
1,2,4-Trimethylbenzene	ND	0.44	0.50	µg/L	1	12/28/2010 05:25 PM
1,2-Dibromo-3-chloropropane	ND	0.35	0.50	µg/L	1	12/28/2010 05:25 PM
1,2-Dibromoethane	ND	0.37	0.50	µg/L	1	12/28/2010 05:25 PM
1,2-Dichlorobenzene	ND	0.27	0.50	µg/L	1	12/28/2010 05:25 PM
1,2-Dichloroethane	ND	0.16	0.50	µg/L	1	12/28/2010 05:25 PM
1,2-Dichloropropane	ND	0.20	0.50	µg/L	1	12/28/2010 05:25 PM
1,3,5-Trimethylbenzene	ND	0.36	0.50	µg/L	1	12/28/2010 05:25 PM
1,3-Dichlorobenzene	ND	0.28	0.50	µg/L	1	12/28/2010 05:25 PM
1,3-Dichloropropane	ND	0.32	0.50	µg/L	1	12/28/2010 05:25 PM
1,4-Dichlorobenzene	ND	0.24	0.50	µg/L	1	12/28/2010 05:25 PM
2,2-Dichloropropane	ND	0.32	0.50	µg/L	1	12/28/2010 05:25 PM
2-Chlorotoluene	ND	0.31	0.50	µg/L	1	12/28/2010 05:25 PM
4-Chlorotoluene	ND	0.23	0.50	µg/L	1	12/28/2010 05:25 PM
4-Isopropyltoluene	ND	0.36	0.50	µg/L	1	12/28/2010 05:25 PM
Benzene	0.43	0.17	0.50	J µg/L	1	12/28/2010 05:25 PM
Bromobenzene	ND	0.21	0.50	µg/L	1	12/28/2010 05:25 PM
Bromodichloromethane	ND	0.39	0.50	µg/L	1	12/28/2010 05:25 PM
Bromoform	ND	0.30	0.50	µg/L	1	12/28/2010 05:25 PM
Bromomethane	ND	0.32	0.50	µg/L	1	12/28/2010 05:25 PM
Carbon tetrachloride	ND	0.38	0.50	µg/L	1	12/28/2010 05:25 PM
Chlorobenzene	ND	0.28	0.50	µg/L	1	12/28/2010 05:25 PM
Chloroethane	91	0.35	0.50	µg/L	1	12/28/2010 05:25 PM
Chloroform	ND	0.23	0.50	µg/L	1	12/28/2010 05:25 PM
Chloromethane	ND	0.32	0.50	µg/L	1	12/28/2010 05:25 PM
cis-1,2-Dichloroethene	ND	0.15	0.50	µg/L	1	12/28/2010 05:25 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-003A

Client Sample ID: MW-8
Collection Date: 12/22/2010 1:25:00 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: MS12_101228A	QC Batch: Y10VW030	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	0.29	0.50	µg/L	1	12/28/2010 05:25 PM
Dibromochloromethane	ND	0.40	0.50	µg/L	1	12/28/2010 05:25 PM
Dibromomethane	ND	0.19	0.50	µg/L	1	12/28/2010 05:25 PM
Dichlorodifluoromethane	ND	0.33	0.50	µg/L	1	12/28/2010 05:25 PM
Ethylbenzene	ND	0.22	0.50	µg/L	1	12/28/2010 05:25 PM
Hexachlorobutadiene	ND	0.28	0.50	µg/L	1	12/28/2010 05:25 PM
Isopropylbenzene	0.73	0.30	0.50	µg/L	1	12/28/2010 05:25 PM
m,p-Xylene	ND	0.49	1.0	µg/L	1	12/28/2010 05:25 PM
Methylene chloride	ND	1.0	1.0	µg/L	1	12/28/2010 05:25 PM
n-Butylbenzene	ND	0.30	0.50	µg/L	1	12/28/2010 05:25 PM
n-Propylbenzene	ND	0.36	0.50	µg/L	1	12/28/2010 05:25 PM
Naphthalene	ND	0.35	0.50	µg/L	1	12/28/2010 05:25 PM
o-Xylene	ND	0.27	0.50	µg/L	1	12/28/2010 05:25 PM
sec-Butylbenzene	ND	0.33	0.50	µg/L	1	12/28/2010 05:25 PM
Styrene	ND	0.38	0.50	µg/L	1	12/28/2010 05:25 PM
tert-Butylbenzene	ND	0.35	0.50	µg/L	1	12/28/2010 05:25 PM
Tetrachloroethene	ND	0.19	0.50	µg/L	1	12/28/2010 05:25 PM
Toluene	ND	0.22	0.50	µg/L	1	12/28/2010 05:25 PM
trans-1,2-Dichloroethene	ND	0.22	0.50	µg/L	1	12/28/2010 05:25 PM
Trichloroethene	ND	0.15	0.50	µg/L	1	12/28/2010 05:25 PM
Trichlorofluoromethane	ND	0.26	0.50	µg/L	1	12/28/2010 05:25 PM
Vinyl chloride	ND	0.34	0.50	µg/L	1	12/28/2010 05:25 PM
Surr: 1,2-Dichloroethane-d4	72.5	0	70-130	%REC	1	12/28/2010 05:25 PM
Surr: 4-Bromofluorobenzene	96.4	0	70-130	%REC	1	12/28/2010 05:25 PM
Surr: Dibromofluoromethane	92.2	0	70-130	%REC	1	12/28/2010 05:25 PM
Surr: Toluene-d8	107	0	70-130	%REC	1	12/28/2010 05:25 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-001B

Client Sample ID: MW-9
Collection Date: 12/22/2010 11:15:00 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: GC19_101228A	QC Batch: M10VW177				PrepDate:	Analyst: DDL
GRO	2.2	0.050		mg/L	1	12/28/2010 05:47 PM
Surr: Bromofluorobenzene (FID)	123	70-130		%REC	1	12/28/2010 05:47 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		



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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-001C

Client Sample ID: MW-9
Collection Date: 12/22/2010 11:15:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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TOTAL ORGANIC CARBON

SM5310B

RunID: TOC1_101227A	QC Batch: R128257				PrepDate:	Analyst: CBB
Organic Carbon, Total	24	3.0		mg/L	1	12/28/2010 12:42 AM

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



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Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-001D

Client Sample ID: MW-9
Collection Date: 12/22/2010 11:15:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DISSOLVED GASES IN WATER

RSK175

RunID:	QC Batch:	Z11A001	PrepDate:	Analyst:	
GC18_110104A				DMP	
Ethane	6.8	2.0	ug/L	1	1/4/2011 06:18 PM
Ethylene	ND	3.0	ug/L	1	1/4/2011 06:18 PM
Methane	2200	5.0	ug/L	5	1/4/2011 06:39 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-001E

Client Sample ID: MW-9
Collection Date: 12/22/2010 11:15:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C				EPA 8015B	
RunID: GC16_101230A	QC Batch: 69280				PrepDate: 12/28/2010	Analyst: CBR
DRO	0.12	0.050		mg/L	1	12/30/2010 03:06 PM
Surr: p-Terphenyl	49.0	36-126		%REC	1	12/30/2010 03:06 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 Laboratories

ANALYTICAL RESULTS

Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-002B

Client Sample ID: MW-3
Collection Date: 12/22/2010 11:57:00 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: GC19_101228A	QC Batch: M10VW177	PrepDate:	Analyst: DDL		
GRO	ND	0.050	mg/L	1	12/28/2010 06:07 PM
Surr: Bromofluorobenzene (FID)	95.1	70-130	%REC	1	12/28/2010 06:07 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-002C

Client Sample ID: MW-3
Collection Date: 12/22/2010 11:57:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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TOTAL ORGANIC CARBON

SM5310B

RunID: TOC1_101227A	QC Batch: R128257				PrepDate:	Analyst: CBB
Organic Carbon, Total	40	3.0		mg/L	1	12/28/2010 01:01 AM

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



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ANALYTICAL RESULTS

Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-002D

Client Sample ID: MW-3
Collection Date: 12/22/2010 11:57:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DISSOLVED GASES IN WATER

RSK175

RunID: GC18_110104A	QC Batch: Z11A001				PrepDate:	Analyst: DMP
Ethane	ND	10		ug/L	5	1/4/2011 06:56 PM
Ethylene	ND	15		ug/L	5	1/4/2011 06:56 PM
Methane	4500	10		ug/L	10	1/4/2011 07:33 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-002E

Client Sample ID: MW-3
Collection Date: 12/22/2010 11:57:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B			
RunID: GC16_101230A	QC Batch: 69280				PrepDate: 12/28/2010	Analyst: CBR
DRO	ND	0.050		mg/L	1	12/30/2010 03:15 PM
Surr: p-Terphenyl	52.4	36-126		%REC	1	12/30/2010 03:15 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-003B

Client Sample ID: MW-8
Collection Date: 12/22/2010 1:25:00 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: GC19_101228A	QC Batch: M10VW177	PrepDate:	Analyst: DDL		
GRO	ND	0.050	mg/L	1	12/28/2010 06:26 PM
Surr: Bromofluorobenzene (FID)	92.0	70-130	%REC	1	12/28/2010 06:26 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: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-003C

Client Sample ID: MW-8
Collection Date: 12/22/2010 1:25:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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TOTAL ORGANIC CARBON

SM5310B

RunID: TOC1_101227A	QC Batch: R128257				PrepDate:	Analyst: CBB
Organic Carbon, Total	85	3.0		mg/L	1	12/28/2010 01:20 AM

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



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ANALYTICAL RESULTS
Print Date: 07-Jan-11

CLIENT:	The Source Group Inc.	Client Sample ID:	MW-8
Lab Order:	115468	Collection Date:	12/22/2010 1:25:00 PM
Project:	AB&I, 01-ABI-001	Matrix:	GROUNDWATER
Lab ID:	115468-003D		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DISSOLVED GASES IN WATER

RSK175

RunID: GC18_110104A	QC Batch: Z11A001	PrepDate:	Analyst: DMP		
Ethane	ND	20	ug/L	10	1/4/2011 08:09 PM
Ethylene	ND	30	ug/L	10	1/4/2011 08:09 PM
Methane	3500	10	ug/L	10	1/4/2011 08:09 PM

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



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ANALYTICAL RESULTS
 Print Date: 07-Jan-11

CLIENT: The Source Group Inc.
Lab Order: 115468
Project: AB&I, 01-ABI-001
Lab ID: 115468-003E

Client Sample ID: MW-8
Collection Date: 12/22/2010 1:25:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B			
RunID: GC16_101230A	QC Batch: 69280				PrepDate: 12/28/2010	Analyst: CBR
DRO	0.12	0.050		mg/L	1	12/30/2010 03:24 PM
Surr: p-Terphenyl	55.0	36-126		%REC	1	12/30/2010 03:24 PM

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



CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

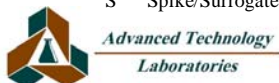
TestCode: 8260_WP_LL

Sample ID: Y101227LCS2	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 128273						
Client ID: LCSW	Batch ID: Y10VW029	TestNo: EPA 8260B		Analysis Date: 12/27/2010	SeqNo: 2076583						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.360	0.50	20.00	0	96.8	70	130				
Benzene	38.910	0.50	40.00	0	97.3	70	130				
Chlorobenzene	20.080	0.50	20.00	0	100	70	130				
MTBE	18.340	0.50	20.00	0	91.7	70	130				
Toluene	40.200	0.50	40.00	0	101	70	130				
Trichloroethene	19.290	0.50	20.00	0	96.5	70	130				
Surr: 1,2-Dichloroethane-d4	22.250		25.00		89.0	70	130				
Surr: 4-Bromofluorobenzene	24.250		25.00		97.0	70	130				
Surr: Dibromofluoromethane	25.400		25.00		102	70	130				
Surr: Toluene-d8	27.640		25.00		111	70	130				

Sample ID: Y101227MB6MS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 128273						
Client ID: ZZZZZZ	Batch ID: Y10VW029	TestNo: EPA 8260B		Analysis Date: 12/27/2010	SeqNo: 2076584						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.810	0.50	20.00	0	99.0	70	130				
Benzene	39.420	0.50	40.00	0	98.6	70	130				
Chlorobenzene	20.440	0.50	20.00	0	102	70	130				
Toluene	40.840	0.50	40.00	0	102	70	130				
Trichloroethene	19.760	0.50	20.00	0	98.8	70	130				
Surr: 1,2-Dichloroethane-d4	21.890		25.00		87.6	70	130				
Surr: 4-Bromofluorobenzene	24.520		25.00		98.1	70	130				
Surr: Dibromofluoromethane	25.640		25.00		103	70	130				
Surr: Toluene-d8	27.710		25.00		111	70	130				

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: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

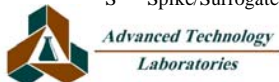
TestCode: 8260_WP_LL

Sample ID: Y101227MB6MSD		SampType: MSD		TestCode: 8260_WP_LL		Units: µg/L		Prep Date:		RunNo: 128273	
Client ID: ZZZZZ		Batch ID: Y10VW029		TestNo: EPA 8260B		Analysis Date: 12/27/2010				SeqNo: 2076585	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.220	0.50	20.00	0	91.1	70	130	19.81	8.36	20	
Benzene	37.220	0.50	40.00	0	93.0	70	130	39.42	5.74	20	
Chlorobenzene	19.660	0.50	20.00	0	98.3	70	130	20.44	3.89	20	
Toluene	38.880	0.50	40.00	0	97.2	70	130	40.84	4.92	20	
Trichloroethene	18.710	0.50	20.00	0	93.6	70	130	19.76	5.46	20	
Surr: 1,2-Dichloroethane-d4	21.370		25.00		85.5	70	130		0	0	
Surr: 4-Bromofluorobenzene	24.260		25.00		97.0	70	130		0	0	
Surr: Dibromofluoromethane	24.540		25.00		98.2	70	130		0	0	
Surr: Toluene-d8	27.480		25.00		110	70	130		0	0	

Sample ID: Y101227MB6		SampType: MBLK		TestCode: 8260_WP_LL		Units: µg/L		Prep Date:		RunNo: 128273	
Client ID: PBW		Batch ID: Y10VW029		TestNo: EPA 8260B		Analysis Date: 12/27/2010				SeqNo: 2076586	
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									

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: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: Y101227MB6	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 128273
Client ID: PBW	Batch ID: Y10VW029	TestNo: EPA 8260B		Analysis Date: 12/27/2010	SeqNo: 2076586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
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									

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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CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: Y101227MB6	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 128273						
Client ID: PBW	Batch ID: Y10VW029	TestNo: EPA 8260B	Analysis Date: 12/27/2010	SeqNo: 2076586							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	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	22.990		25.00		92.0	70	130				
Surr: 4-Bromofluorobenzene	24.190		25.00		96.8	70	130				
Surr: Dibromofluoromethane	25.450		25.00		102	70	130				
Surr: Toluene-d8	27.080		25.00		108	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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CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

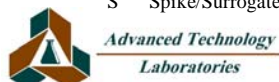
Sample ID: Y101228LCS1		SampType: LCS		TestCode: 8260_WP_LL		Units: µg/L		Prep Date:		RunNo: 128275		
Client ID: LCSW		Batch ID: Y10VW030		TestNo: EPA 8260B		Analysis Date: 12/28/2010		SeqNo: 2076604				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	18.450	0.50	20.00	0	92.2	70	130					
Benzene	37.480	0.50	40.00	0	93.7	70	130					
Chlorobenzene	20.440	0.50	20.00	0	102	70	130					
MTBE	17.130	0.50	20.00	0	85.7	70	130					
Toluene	39.680	0.50	40.00	0	99.2	70	130					
Trichloroethene	20.300	0.50	20.00	0	102	70	130					
Surr: 1,2-Dichloroethane-d4	18.520		25.00		74.1	70	130					
Surr: 4-Bromofluorobenzene	23.940		25.00		95.8	70	130					
Surr: Dibromofluoromethane	23.360		25.00		93.4	70	130					
Surr: Toluene-d8	26.980		25.00		108	70	130					

Sample ID: Y101228MB3MS		SampType: MS		TestCode: 8260_WP_LL		Units: µg/L		Prep Date:		RunNo: 128275		
Client ID: ZZZZZ		Batch ID: Y10VW030		TestNo: EPA 8260B		Analysis Date: 12/28/2010		SeqNo: 2076605				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	17.770	0.50	20.00	0	88.8	70	130					
Benzene	37.110	0.50	40.00	0	92.8	70	130					
Chlorobenzene	20.400	0.50	20.00	0	102	70	130					
Toluene	39.140	0.50	40.00	0	97.9	70	130					
Trichloroethene	20.250	0.50	20.00	0	101	70	130					
Surr: 1,2-Dichloroethane-d4	18.970		25.00		75.9	70	130					
Surr: 4-Bromofluorobenzene	23.930		25.00		95.7	70	130					
Surr: Dibromofluoromethane	23.480		25.00		93.9	70	130					
Surr: Toluene-d8	26.880		25.00		108	70	130					

Sample ID: Y101228MB3		SampType: MBLK		TestCode: 8260_WP_LL		Units: µg/L		Prep Date:		RunNo: 128275		
Client ID: PBW		Batch ID: Y10VW030		TestNo: EPA 8260B		Analysis Date: 12/28/2010		SeqNo: 2076607				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1,1,2-Tetrachloroethane	ND	0.50										

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | 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: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: Y101228MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 128275
Client ID: PBW	Batch ID: Y10VW030	TestNo: EPA 8260B		Analysis Date: 12/28/2010	SeqNo: 2076607

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

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| 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

CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: Y101228MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 128275						
Client ID: PBW	Batch ID: Y10VW030	TestNo: EPA 8260B	Analysis Date: 12/28/2010	SeqNo: 2076607							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	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	18.360		25.00		73.4	70	130				
Surr: 4-Bromofluorobenzene	23.590		25.00		94.4	70	130				
Surr: Dibromofluoromethane	23.000		25.00		92.0	70	130				
Surr: Toluene-d8	26.220		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 |
| 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

CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: Y101228MB3MSD		SampType: MSD		TestCode: 8260_WP_LL		Units: µg/L		Prep Date:		RunNo: 128275	
Client ID: ZZZZZ		Batch ID: Y10VW030		TestNo: EPA 8260B		Analysis Date: 12/28/2010				SeqNo: 2076610	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.970	0.50	20.00	0	89.8	70	130	17.77	1.12	20	
Benzene	36.170	0.50	40.00	0	90.4	70	130	37.11	2.57	20	
Chlorobenzene	19.980	0.50	20.00	0	99.9	70	130	20.40	2.08	20	
Toluene	38.590	0.50	40.00	0	96.5	70	130	39.14	1.42	20	
Trichloroethene	19.800	0.50	20.00	0	99.0	70	130	20.25	2.25	20	
Surr: 1,2-Dichloroethane-d4	18.390		25.00		73.6	70	130		0	0	
Surr: 4-Bromofluorobenzene	23.830		25.00		95.3	70	130		0	0	
Surr: Dibromofluoromethane	23.270		25.00		93.1	70	130		0	0	
Surr: Toluene-d8	26.840		25.00		107	70	130		0	0	

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

CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1_5310B_W

Sample ID: MB-R128257	SampType: MBLK	TestCode: 415.1_5310B	Units: mg/L	Prep Date:	RunNo: 128257						
Client ID: PBW	Batch ID: R128257	TestNo: SM5310B		Analysis Date: 12/27/2010	SeqNo: 2076316						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Organic Carbon, Total

2.378 3.0

Sample ID: LCS-R128257	SampType: LCS	TestCode: 415.1_5310B	Units: mg/L	Prep Date:	RunNo: 128257						
Client ID: LCSW	Batch ID: R128257	TestNo: SM5310B		Analysis Date: 12/27/2010	SeqNo: 2076317						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Organic Carbon, Total

22.170 3.0 20.00 2.378 99.0 80 120

Sample ID: MB-MS	SampType: MS	TestCode: 415.1_5310B	Units: mg/L	Prep Date:	RunNo: 128257						
Client ID: ZZZZZZ	Batch ID: R128257	TestNo: SM5310B		Analysis Date: 12/27/2010	SeqNo: 2076318						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Organic Carbon, Total

22.670 3.0 20.00 2.378 101 70 130

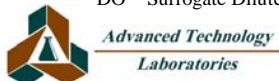
Sample ID: MB-MSD	SampType: MSD	TestCode: 415.1_5310B	Units: mg/L	Prep Date:	RunNo: 128257						
Client ID: ZZZZZZ	Batch ID: R128257	TestNo: SM5310B		Analysis Date: 12/27/2010	SeqNo: 2076319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Organic Carbon, Total

22.500 3.0 20.00 2.378 101 70 130 22.67 0.753 20

Qualifiers:

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



CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL_LLSGT

Sample ID: MB-69280	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 12/28/2010	RunNo: 128350						
Client ID: PBW	Batch ID: 69280	TestNo: EPA 8015B EPA 3510C		Analysis Date: 12/30/2010	SeqNo: 2078092						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	0.050									
Surr: p-Terphenyl	0.044		0.08000		55.0	36	126				

Sample ID: LCS-69280	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 12/28/2010	RunNo: 128350						
Client ID: LCSW	Batch ID: 69280	TestNo: EPA 8015B EPA 3510C		Analysis Date: 12/30/2010	SeqNo: 2078093						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.644	0.050	1.000	0	64.4	52	128				
Surr: p-Terphenyl	0.049		0.08000		61.3	36	126				

Sample ID: MB-69280MS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 12/28/2010	RunNo: 128350						
Client ID: ZZZZZ	Batch ID: 69280	TestNo: EPA 8015B EPA 3510C		Analysis Date: 12/30/2010	SeqNo: 2078094						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

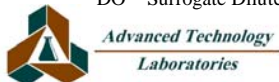
DRO	0.619	0.050	1.000	0	61.9	52	128				
Surr: p-Terphenyl	0.049		0.08000		61.4	36	126				

Sample ID: MB-69280MSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 12/28/2010	RunNo: 128350						
Client ID: ZZZZZ	Batch ID: 69280	TestNo: EPA 8015B EPA 3510C		Analysis Date: 12/30/2010	SeqNo: 2078095						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.601	0.050	1.000	0	60.1	52	128	0.6187	2.83	20	
Surr: p-Terphenyl	0.047		0.08000		58.8	36	126		0	0	

Qualifiers:

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



CLIENT: The Source Group Inc.
Work Order: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: M101228LCS2	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 128265						
Client ID: LCSW	Batch ID: M10VW177	TestNo: EPA 8015B(M)	Analysis Date: 12/28/2010	SeqNo: 2076416							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.905	0.050	1.000	0	90.5	70	130				
Surr: Bromofluorobenzene (FID)	98.298		100.0		98.3	70	130				

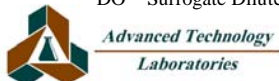
Sample ID: M101228MB1MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 128265						
Client ID: ZZZZZZ	Batch ID: M10VW177	TestNo: EPA 8015B(M)	Analysis Date: 12/28/2010	SeqNo: 2076418							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.947	0.050	1.000	0	94.7	70	130				
Surr: Bromofluorobenzene (FID)	98.460		100.0		98.5	70	130				

Sample ID: M101228MB1MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 128265						
Client ID: ZZZZZZ	Batch ID: M10VW177	TestNo: EPA 8015B(M)	Analysis Date: 12/28/2010	SeqNo: 2076419							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.847	0.050	1.000	0	84.7	70	130	0.9470	11.1	20	
Surr: Bromofluorobenzene (FID)	97.829		100.0		97.8	70	130		0	0	

Sample ID: M101228MB1	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 128265						
Client ID: PBW	Batch ID: M10VW177	TestNo: EPA 8015B(M)	Analysis Date: 12/28/2010	SeqNo: 2076420							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	96.090		100.0		96.1	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: 115468
Project: AB&I, 01-ABI-001

ANALYTICAL QC SUMMARY REPORT

TestCode: RSK175_ATL

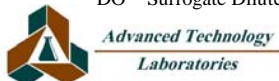
Sample ID: MB-Z11A001	SampType: MBLK	TestCode: RSK175_ATL	Units: ug/L	Prep Date:	RunNo: 128518						
Client ID: PBW	Batch ID: Z11A001	TestNo: RSK175		Analysis Date: 1/4/2011	SeqNo: 2081772						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethane	ND	2.0									
Ethylene	ND	3.0									
Methane	ND	1.0									

Sample ID: LCS-Z11A001	SampType: LCS	TestCode: RSK175_ATL	Units: ug/L	Prep Date:	RunNo: 128518						
Client ID: LCSW	Batch ID: Z11A001	TestNo: RSK175		Analysis Date: 1/4/2011	SeqNo: 2081773						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethane	194.560	2.0	171.0	0	114	70	130				
Ethylene	241.370	3.0	212.0	0	114	70	130				
Methane	112.380	1.0	98.00	0	115	70	130				

Sample ID: LCSD-Z11A001	SampType: LCSD	TestCode: RSK175_ATL	Units: ug/L	Prep Date:	RunNo: 128518						
Client ID: LCSS02	Batch ID: Z11A001	TestNo: RSK175		Analysis Date: 1/4/2011	SeqNo: 2081779						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethane	175.700	2.0	171.0	0	103	70	130	194.6	10.2	20	
Ethylene	217.700	3.0	212.0	0	103	70	130	241.4	10.3	20	
Methane	100.410	1.0	98.00	0	102	70	130	112.4	11.3	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 | |



CHAIN OF CUSTODY RECORD

<p>ADVANCED TECHNOLOGY LABORATORIES</p> <p>3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>	P.O.#: _____ Quote #: _____ Logged By: <u>[Signature]</u> Date: <u>12/23/10</u>	FOR LABORATORY USE ONLY:	
	NOTE: Please include your Quote No. to ensure proper pricing of your project.		Method of Transport <input type="checkbox"/> Client <input type="checkbox"/> ATL <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> OnTrac <input type="checkbox"/> GSO <input type="checkbox"/> Other: _____

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

Project Name: <u>AB-I</u>	Project #: <u>01-AB1-001</u>	Sampler: <u>Harlow Newton</u> (Printed Name)	(Signature) <u>[Signature]</u>
Relinquished by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>12-22-10</u>	Time: <u>1515</u>	Received by: (Signature and Printed Name) <u>[Signature]</u>
Relinquished by: (Signature and Printed Name) <u>Harlow Newton</u>	Date: _____	Time: _____	Received by: (Signature and Printed Name) _____
Relinquished by: (Signature and Printed Name) _____	Date: _____	Time: _____	Received by: (Signature and Printed Name) _____

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: <u>Harlow Newton</u> <u>12-22-10</u> Print Name Date <u>[Signature]</u> Signature	Send Report To: Attn: <u>Kent Reynolds</u> Co: <u>Source Group Inc</u> Addr: <u>3451-C Vincent Rd</u> City: <u>Pleasant Hill</u> State: <u>CA</u> Zip: <u>94523</u>	Bill To: Attn: _____ Co: <u>same</u> Addr: <u>[Arrow]</u> City: _____ State: _____ Zip: _____	Special Instructions/Comments:
---	---	---	--------------------------------

Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Storage Fees (applies when storage is requested): • Sample : \$2.00 / sample / mo (after 45 days) • Records : \$1.00 / ATL workorder / mo (after 1 year)				Circle or Add Analysis(es) Requested 8081A (Pesticides) 8082 (PCB) 8280R (Volatiles) 8270C (BNA) 6010B (Total Metal) 8015B (GRO) / 8021 (BTEX) TITLE 22 / CAM 17 (6010 / 7000) <u>TOC</u> <u>RSK-175 Methanol</u> <u>TP47</u> <u>8015 8015 7944</u> SPECIFY APPROPRIATE MATRIX DRINKING WATER GROUND WATER WASTEWATER STORMWATER AQUEOUS SEDIMENT SOLID SOIL										Q / Q C RTNE <input type="checkbox"/> CT <input type="checkbox"/> Legal <input type="checkbox"/> SWRCB Logcode <input type="checkbox"/> OTHER _____
I T E M	LAB USE ONLY: Batch #: Lab No.	Sample Description Sample I.D. / Location Date Time										Container(s) # Type	PRESERVATION REMARKS	
	<u>115468 - 1</u>	<u>mw-9</u>	<u>12/22/10</u>	<u>1155</u>										
	<u>↓ 2</u>	<u>mw-3</u>	<u>↓</u>	<u>1157</u>										
	<u>↓ 3</u>	<u>mw-8</u>	<u>↓</u>	<u>1325</u>										

• TAT starts 8 a.m. following day if samples received after 5 p.m.	TAT: <input type="checkbox"/> A= Overnight ≤ 24 hrs <input type="checkbox"/> B= Emergency Next workday <input type="checkbox"/> C= Critical 2 Workdays <input type="checkbox"/> D= Urgent 3 Workdays <input type="checkbox"/> E= Routine 7 Workdays	Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃
Container Types: T=Tube V=VOA L=Liter P=Plastic M=Metal G=Glass B=Tedlar J=Jar		

Fernando Diwa

From: Kent Reynolds [kreynolds@thor.thesourcegroup.net]
Sent: Monday, December 27, 2010 9:30 AM
To: Carmen Aguila
Subject: RE: Silica Gel Cleanup AB&I Samples

No need to analyze.

Thanks

Kent

Carmen Aguila wrote ..

> Hi Kent,

>

>

>

> We also received a Trip blank (1 vial) in the cooler that is not
> indicated on the coc. Please advise if you need this sample to be
> analyze.

>

>

>

>

>

> Thank you,

>

> Carmen

>

>

>

> From: Kent Reynolds [mailto:kreynolds@thesourcegroup.net]

> Sent: Thursday, December 23, 2010 4:03 PM

> To: Carmen Aguila

> Subject: Silica Gel Cleanup AB&I Samples

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>

>

> Hi Carmen,

>

>

>

> Please include silica gel cleanup on the AB&I samples. Happy Holidays!

>

>

>

> Kent

>

>

>

> Kent R. Reynolds

>

> Principal Geologist

>

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APPENDIX C

HISTORICAL GROUNDWATER DATA

Table C-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	4.14
	02/21/08	4.14
	06/12/08	3.68
	10/02/08	3.00
	12/12/08	3.28
	05/21/09	1.78
12/09/09	1.57	
07/08/10	3.41	
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	3.70
	02/21/08	3.70
	06/12/08	3.20
	10/02/08	3.02
	12/12/08	3.42
	05/21/09	1.73
	12/09/09	1.52
07/08/10	3.47	
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	

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

Well ID	Date	Groundwater Elevation (ft, msl)
MW-3	10/24/07	2.71
	02/21/08	2.71
	06/12/08	2.30
	10/02/08	2.30
	12/11/08	3.07
	05/21/09	1.32
	12/09/09	1.13
	07/08/10	2.88
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	3.77
	02/21/08	3.77
	06/12/08	3.12
	10/02/08	3.01
	12/11/08	3.51
05/21/09	1.81	
12/09/09	1.77	
	07/08/10	3.51
MW-5	08/17/06	1.31
	10/24/07	2.87
	02/21/08	2.87
	06/12/08	2.46
	10/02/08	2.47
	12/11/08	3.17
	05/21/09	1.40
	12/09/09	1.22
	07/08/10	3.14
MW-6	08/17/06	0.26
	10/24/07	2.14
	02/21/08	2.14
	06/12/08	1.52
	10/02/08	1.58
	12/11/08	2.27
	05/21/09	0.60
	12/09/09	0.40
	07/08/10	2.27
MW-7	08/17/06	0.60
	10/24/07	4.80
	02/21/08	4.80
	06/12/08	3.84
	10/02/08	3.52
	12/12/08	3.61
	05/21/09	2.39
	12/09/09	2.14
	07/08/10	4.11

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

Well ID	Date	Groundwater Elevation (ft, msl)
MW-8	08/17/06	1.36
	10/24/07	3.28
	02/21/08	3.28
	06/12/08	2.77
	10/02/08	2.66
	12/11/08	3.27
	05/21/09	1.60
	12/09/09	1.38
MW-9	07/08/10	3.29
	08/23/06	1.86
	10/24/07	4.21
	02/21/08	4.21
	06/12/08	3.58
	10/02/08	3.39
	12/11/08	3.65
	05/21/09	2.01
12/09/09	1.81	
	07/08/10	3.73

Notes:

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

Table C-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	
RWQCB ESLs¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690	
MCLs²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5	
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	<1.0	<5.0	--	--	--	--	<0.5	
	02/22/08	--	--	560	<1.0	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	<0.5	
	06/13/08	--	--	160	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	
	10/03/08	--	--	140	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	
	12/12/08	--	--	100	<0.50	<50	<5.0	<5.0	<5.0	<10	--	--	--	--	--	<5.0	
05/22/09	--	--	--	<0.50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	<0.50		
12/10/09	--	--	<50	<0.50	<50	<50	<50	<50	<10	--	--	--	--	--	<0.50		
07/09/10	--	--	81	<0.50	<50	0.42 J	<0.50	<0.50	<0.50	<1.0	--	--	--	--	<0.50		

Table C-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
RWQCB ESLs¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690
MCLs²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5
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
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
	05/22/09	--	--	<0.050	<0.50	110	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/10/09	--	--	<50	<0.50	99	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	07/09/10	--	--	<50	<0.50	210	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50

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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	
RWQCB ESLs ¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690	
MCLs ²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5	
MW-3	03/10/93	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	08/20/93	--	--	--	--	190	7.2	9.3	8.6	31	--	--	--	--	--	--	
	12/03/93	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	03/04/94	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	06/10/94	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	09/09/94	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	12/16/94	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	03/17/95	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	06/23/95	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	09/06/95	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	01/18/96	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	04/26/96	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	02/03/97	--	--	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	
	07/14/06	--	--	--	<50	<5.0	93	1.2	<0.3	<0.3	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
	10/24/07	--	--	--	<50	<1.0	*540	<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	<1.0	<50	--	--	--	--	<10	
	02/21/08	--	--	110	<20	*660	<5.0	<5.0	<5.0	<1.0	<50	--	--	--	--	<10	
	06/13/08	--	--	<50	<0.50	*510	0.65	<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	
	05/21/09	--	--	<0.050	<2.5	0.55	<2.5	<2.5	1.8	<2.5	<5.0	--	--	--	--	<2.5	
	EAnB Injections																
	07/01/09	--	--	--	--	<2.5	--	<2.5	8.4	<2.5	<5.0	--	--	--	--	--	<2.5
	08/07/09	--	--	--	--	<0.50	--	0.67	7.1	<0.50	<1.0	--	--	--	--	--	<0.50
	09/10/09	--	--	--	--	<0.50	--	0.72	9.8	<0.50	<1.0	--	--	--	--	--	<0.50
	12/09/09	--	--	--	<0.50	<0.50	51	0.51	2.6	<0.50	<1.0	--	--	--	--	--	<0.50
	04/09/10	--	--	--	--	<0.50	--	0.41 J	1.4	<0.50	<1.0	--	--	--	--	--	<0.50
07/08/10	--	--	--	<50	<0.50	<50	0.36 J	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	
12/22/10	--	--	--	<50	<0.50	<50	0.40 J	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	

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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
RWQCB ESLs¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690
MCLs²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5
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	--	--	--	--	--	--
	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
	05/21/09	--	--	<0.050	<0.50	<0.050	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/09/09	--	--	<0.50	<0.50	70	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	07/08/10	--	--	<50	<0.50	110	<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
	05/21/09	--	--	<0.050	<0.50	<0.050	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/10/09	--	--	<50	<0.50	53	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	07/09/10	--	--	<50	<0.50	120	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50

Table C-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
RWQCB ESLs¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690
MCLs²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5
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
	05/21/09	--	--	<0.050	<0.50	<0.050	<0.50	<0.50	<0.50	<10	--	--	--	--	--	<0.50
	12/09/09	--	--	<50	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	07/08/10	--	--	67	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
MW-7	08/17/06	--	--	520	<1.0	<50	<0.3	0.35	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
	10/25/07	--	--	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
	05/22/09	--	--	<0.050	<0.50	<0.050	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	12/10/09	--	--	<50	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50
	07/09/10	--	--	<50	<0.50	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50

Table C-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	
RWQCB ESLs ¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690	
MCLs ²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5	
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	
	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	
	05/21/09	--	--	<0.050	<5.0	2.1	2.9	<5.0	<5.0	<10	--	--	--	--	--	<5.0	
	Dup	05/21/09	--	--	<0.050	<5.0	2.1	2.8	<5.0	<5.0	<10	--	--	--	--	--	<5.0
	EAnB Injections																
Dup	07/01/09	--	--	--	<2.5		2.6	<2.5	<2.5	<5.0	--	--	--	--	--	<2.5	
	08/07/09	--	--	--	<5.0		3.2	<5.0	<5.0	<10	--	--	--	--	--	<5.0	
	09/10/09	--	--	--	<2.5	--	3.4	<2.5	<2.5	<5.0	--	--	--	--	--	<2.5	
	12/09/09	--	--	<50	<2.5	180	3.0	<2.5	<2.5	<5.0	--	--	--	--	--	1.8	
	Dup	12/09/09	--	--	<50	<5.0	190	2.8	<5.0	<5.0	<10	--	--	--	--	<5.0	
	04/09/10	--	--	--	<2.5	--	2.4 J	<2.5	<2.5	<5.0	--	--	--	--	--	1.0 J	
	07/08/10	--	--	110	<2.5	140	2.4 J	<2.5	<2.5	<5.0	--	--	--	--	--	<2.5	
	Dup	07/08/10	--	--	74	<2.5	140	2.2 J	<2.5	<2.5	<5.0	--	--	--	--	<2.5	
	12/22/10	--	--	120	<0.50	<50	0.43 J	<0.50	<0.50	<1.0	--	--	--	--	--	<0.50	
	EAB Injections																
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	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	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	
	05/22/09	--	--	250	2.2	3,500	180	2.9	3.9	1.7	--	--	--	--	--	<0.50	
	EAB Injections																
	07/01/09	--	--	470	3.3	3,400	53	2.0	9.5	0.28	--	--	--	--	--	--	<0.50
	08/07/09	--	--	340	0.82	2,400	9.1	0.5	2.2	1.5	--	--	--	--	--	--	<0.50
09/10/09	--	--	460	0.87	3,100	5.7	0.36	1.4	1.7	--	--	--	--	--	--	<0.50	
12/09/09	--	--	150	1.3	2,700	36	0.87	2.7	1.1	--	--	--	--	--	--	<0.50	
04/09/10	--	--	320	1.2	3,300	66	1.3	4.6	1.1	--	--	--	--	--	--	<0.50	
07/09/10	--	--	250	0.77	2,700	100	2.30	9.2	1.6	--	--	--	--	--	--	<0.50	
12/22/10	--	--	120	0.75	2,200	77	1.80	9.1	1.4	--	--	--	--	--	--	<0.50	

Table C-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
RWQCB ESLs ¹			NA	NA	11,000	NA	1,800	530,000	170,000	160,000	80,000	NA	NA	NA	NA	690
MCLs ²			NA	NA	17*	NA	1.0	150	700	1,750	13	NA	NA	NA	NA	0.5

Notes:

Value in bold exceed the MCL

Shaded values exceed the ESL for vapor intrusion

* California Department of Health Drinking Water Program, Drinking Water Notification Level, December 14, 2007

-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.

- MCL = California EPA Department of Health Service Maximum concentration levels for drinking water
- RWQCB ESLs (VI) = Regional Water Quality Control Board Environmental Screening Levels based on vapor intrusion concerns for commercial land use scenario.
- 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
- J = analyte detected below quantitation limits

Table C-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
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE	
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*	
MW-1	03/10/93	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/93	--	--	--	--	--	--	--	--	--	--	--	--
	12/03/93	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/94	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/94	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/94	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/94	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
	08/17/06	--	--	--	--	--	--	--	--	--	--	--	ND
	10/25/07	<1.0	<0.50	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	02/22/08	<1.0	<0.50	<1.0	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/13/08	<0.50	<0.50	<0.50	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	10/03/08	<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	--
	05/22/09	<0.50	--	<0.50	0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/10/09	<0.50	--	<0.50	0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	07/09/10	<0.50	--	<0.50	0.43 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--

Table C-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
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE	
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*	
MW-2	03/10/93	0.6	ND	5.0	1.7	ND	ND	ND	6.7	6.7	6.7	6.7	--
	08/20/93	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	--
	12/03/93	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	--
	03/04/94	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	3.6	--
	06/10/94	ND	ND	4.2	0.6	ND	ND	ND	0.8	0.8	0.8	0.8	--
	09/09/94	ND	ND	1.4	0.8	ND	ND	ND	ND	ND	ND	ND	--
	12/16/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	03/17/95	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	--
	06/23/95	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	--
	09/06/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	01/18/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	04/26/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	02/03/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
07/14/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	
Well Abandoned													
MW-2R	08/18/06	<2.5	<2.5	390	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	ND
	10/25/07	<1.0	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	--
	02/22/08	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	--
	06/13/08	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	10/03/08	<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	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	05/22/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/10/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
07/09/10	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	

Table C-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	
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE		
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*		
MW-3	03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	
	08/20/93	--	--	--	--	--	--	--	--	--	--	--	--	
	12/03/93	--	--	--	--	--	--	--	--	--	--	--	--	
	03/04/94	--	--	--	--	--	--	--	--	--	--	--	--	
	06/10/94	--	--	--	--	--	--	--	--	--	--	--	--	
	09/09/94	--	--	--	--	--	--	--	--	--	--	--	--	
	12/16/94	--	--	--	--	--	--	--	--	--	--	--	--	
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--	
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--	
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--	
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--	
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--	
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--	
	07/14/06	<20	<20	<20	200	960	<20	<20	<20	<20	<20	<20	<20	ND
	10/24/07	<10	<5.0	<10	180	680	5.0	<5	13.0	7.5	<5.0	<10	<10	--
	02/21/08	<10	<5	<10	220	920	9.3	<5	<5	10.0	<5	<10	<10	--
	06/12/08	<0.50	<0.50	<0.50	170	910	7.9	0.5	<0.50	13.0	<0.50	<0.50	<0.50	--
	10/02/08	<2.5	<2.5	<2.5	190	1,000	7.6	1.5 J	<2.5	9.6	<2.5	<2.5	<2.5	--
	12/11/08	<2.5	<2.5	<2.5	200	2,000	9.4	<2.5	2.2	9.5	<2.5	<2.5	<2.5	--
	05/21/09	<2.5	--	<2.5	220	1,000	10	1.2	<2.5	8.4	<2.5	<2.5	<2.5	--
	EAnB Injections													
		07/01/09	<2.5	--	<2.5	160	620	7.5	<2.5	<2.5	6.7	<2.5	<2.5	--
		08/07/09	<0.50	--	61	110	94	1.2	<0.50	<0.50	29	<0.50	<0.50	--
		09/10/09	<0.50	--	150	5.6	11	0.20	0.47	<0.50	3.6	<0.50	<0.50	--
		12/09/09	<0.50	--	78	16	6.4	0.25	0.37	<0.50	17	<0.50	<0.50	--
	04/09/10	<0.50	--	47	0.78	0.74	<0.50	0.29 J	<0.50	1.4	<0.50	<0.50	--	
	07/08/10	<0.50	--	39	0.58	1.0	<0.50	0.27 J	<0.50	1.1	<0.50	<0.50	--	
	12/22/10	--	--	3.6	0.29 J	0.8	<0.50	<0.50	<0.50	0.97	<0.50	<0.50	--	

Table C-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
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE	
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*	
MW-4	03/10/93	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/93	--	--	--	--	--	--	--	--	--	--	--	--
	12/03/93	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/94	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/94	--	--	--	--	--	--	--	--	--	--	--	--
	09/09/94	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/94	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/95	--	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--	--
	09/06/95	--	--	--	--	--	--	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/96	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/97	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.5	<5.0	--
	10/24/07	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	02/21/08	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/12/08	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	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	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	05/21/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/09/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	07/08/10	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--

Table C-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
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE	
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*	
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	--
	05/21/09	<0.50	--	<0.50	0.7	0.71	3.3	1.1	<0.50	<0.50	<0.50	<0.50	--
	12/10/09	<0.50	--	<0.50	0.58	0.63	2.2	0.67	<0.50	<0.50	<0.50	<0.50	--
	07/09/10	<0.50	--	<0.50	0.40	0.38	3.4	1.0	<0.50	<0.50	<0.50	<0.50	--
MW-6	08/17/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	10/24/07	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	02/21/08	<1.0	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
	06/12/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	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	--
	05/21/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/09/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	07/08/10	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-7	08/17/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	10/25/07	<1.0	<0.5	<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	--
	05/22/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/10/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	07/09/10	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--

Table C-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	
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE		
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*		
MW-8	08/17/06	<2.5	<2.5	100	560	900	<2.5	<2.5	1,000	7.4	1,000	7.4	ND	
	10/25/07	<50	<25	290	1,600	1,600	<0.5	<25	1,700	<25	<25	<50	--	
	02/21/08	<50	<25	290	1,800	2,300	<25	<25	2,500	<25	<25	<50	--	
	06/12/08	<10	<10	300	1,400	3,200	<10	<10	2,700	19	<10	<10	--	
	10/02/08	<5.0	<5.0	320	1,100	1,900	<5	<5	1,700	16	5.2	<5.0	--	
	12/11/08	<5.0	<5.0	320	1,300	2,000	<5.0	<5.0	2,000	15	6.2	<5.0	--	
	05/21/09	<5.0	--	320	1,500	1,900	<5.0	<5.0	1,900	16	5.3	<5.0	--	
	EAnB Injections													
		07/01/09	<2.5	--	350	1,200	1,100	<2.5	<2.5	960	11	<2.5	<2.5	--
		08/07/09	<5.0	--	370	1,600	1,300	<5.0	<5.0	1,700	9.6	<5.0	<5.0	--
		09/10/09	<2.5	--	340	2,600	1,100	<2.5	<2.5	45	50	4.0	<2.5	--
		12/09/09	<2.5	--	2,400	94	58	<2.5	<2.5	14	85	4.1	<2.5	--
		12/09/09	<5.0	--	2,400	92	60	<5.0	<5.0	14	82	<5.0	<5.0	--
		04/09/10	<2.5	--	1,400	32	2.3 J	<2.5	<2.5	<2.5	2.2 J	2.4 J	<2.5	--
		07/08/10	<2.5	--	1,300	15	2.5	<2.5	<2.5	<2.5	2.2 J	2.8	<2.5	--
Dup	07/08/10	<2.5	--	1,200	18	4.5	<2.5	<2.5	<2.5	2.9	2.7	<2.5	--	
	12/22/10	--	--	91	<0.50	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	

Table C-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	
RWQCB ESLs ¹		NA	NA	2,700	3,400	1,800	17,000	19,000	360,000	13	NE	NE		
MCLs ²		NA	NA	NE	5.0	6.0	6.0	10	200	0.5	770*	260*		
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	--	
	05/22/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	26	--	
	EAB Injections													
	07/01/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	44	--
	08/07/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.8	9.9	--
	09/10/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	3.8	--
	12/09/09	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.5	1.3	--
	04/09/10	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.9	5.5	--
	07/09/10	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10.0	9.5	--
	12/22/10	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	12.0	12	--

Notes:

Value in bold exceed the MCL

* California Department of Health Drinking Water Program, Drinking Water Notification Level, December 14, 2007

Shaded values exceed the ESL for vapor intrusion

-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,

- MCL = California EPA Department of Health Service Maximum concentration levels for drinking water
- RWQCB ESLs (VI) = Regional Water Quality Control Board Environmental Screening Levels based on vapor intrusion concerns for commercial land use scenario.
- 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.
- J = analyte detected below quantitation limits