December 29, 2009

Mr. Mark E. Detterman, PG, CEG
Environmental Protection
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Fuel Leak Case No. R0000320, Former Paco Pumps Inc, 9201 San Leandro Street, Oakland, CA

Dear Mr.Detterman:

Please find enclosed the fourth quarter 2009 groundwater monitoring report for the Former Paco Pumps facility located at 9201 San Leandro Street, Oakland, California, Case No. R0000320.

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Dave Murray,

PCC Flow Technologies, Inc.

Cc: Mr. Scott Kaplan, Stoel Rives LLP
Mr. Mark Zeppetello, Barg Coffin Lewis & Trapp, LLP
Mr. Scott Seipel, The Source Group

# GROUNDWATER MONITORING REPORT
# FOURTH QUARTER 2009

## FORMER PACO PUMPS OAKLAND FACILITY
## 9201 San Leandro
## Oakland, California

Fuel Case No. RO 0000320

Prepared For:

**PCC Flow Technologies Inc.**
4650 SW Macadam
Portland, OR 97230-4262

Prepared By:

SGI environmental THE SOURCE GROUP, INC.

December 30, 2009

Reviewed by:

PROFESSIONAL GEOLOGIST
CHRISTOPHER S. SEIPEL No. 7353
STATE OF CALIFORNIA
Exp 12/11

Scott Seipel, P.G., CHGE
Principal Geologist

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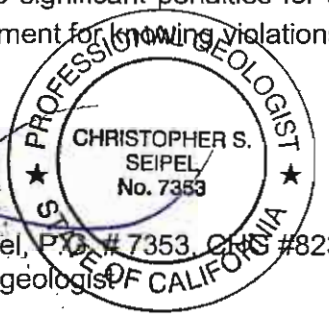
## CERTIFICATION

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons whom manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,




C. Scott Seipel, PXG # 7353, CHG #823
Senior Hydrogeologist

# 1.0 INTRODUCTION

The Source Group, Inc. (SGI), on behalf of PCC Flow Technologies Inc. (PCC), presents this report of findings from fourth quarter groundwater monitoring activities conducted at the former Paco Pumps facility, located at 9201 San Leandro, Oakland, California (Site), (Figure 1). SGI conducted groundwater monitoring, sampling of eleven groundwater wells, and analysis of total petroleum hydrocarbons in the gasoline (TPH-g) and diesel (TPH-d) carbon ranges, selected volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, xylenes (BTEX), and fuel additives methyl tert-butyl ether (MTBE) and 1,2-dichloroethane (1,2-DCA).

This report was prepared to present the field procedures, groundwater analytical results, data evaluation, and conclusions and recommendations based upon analysis of data from the fourth quarter 2009.

# 2.0 SITE LOCATION AND DESCRIPTION

The Site is located at 9201 San Leandro Street in Oakland, CA (Figure 1), and the site consists of an approximately 4.6-acre parcel that is generally bounded by: an access road and heavy industrial/manufacturing business to the north; San Leandro Street, Union Pacific Railroad tracks, and elevated Bay Area Rapid Transit (BART) tracks to the east; Union Pacific Railroad tracks and easements for petroleum pipelines to the west; and industrial/warehousing businesses to the south. The surrounding area is a mix of industrial and heavy industrial (manufacturing) use. The western portion of the Site is occupied by a parking lot and a warehouse used for furniture storage. The eastern portion of the Site is occupied by several smaller buildings used as offices and furniture storage.

The Site was historically used as a manufacturing facility since 1945 for industrial pumps, tents, and as a foundry (Jonas report October 1991) and is now used for warehousing. The Site is reportedly currently owned by 9201 San Leandro LLC and occupied by Service West, and is used as a warehouse for the storage of office furniture and as an office. The Site assessment is divided into five areas of concern. Area 4 is a former UST site impacted by total petroleum hydrocarbons (TPH) as gasoline (TPH-g), and benzene, toluene, ethylbenzene, and total xylenes. The site has a network of eleven wells with nine wells screened in the upper groundwater zone and two wells screened in the lower groundwater zone. Seven wells were installed as groundwater monitoring wells and four wells were installed for a remediation pilot test. All wells screened in groundwater were purged and sampled to provide a site wide data set.

### 2.1 Site Geology and Hydrology

The subsurface sediments at the site consist of an interval of fine-grained sediment (silt and clay) with relatively thin (less than 1 foot thick) discontinuous intervals of more permeable fine- to coarse-grained sand and gravels from the ground surface to approximately 20 to 21 ft bgs. The relatively thin discontinuous intervals comprised of more permeable fine- to coarse-grained sand and gravels have generally been encountered between approximately 12 and 17 ft bgs and contain the first groundwater at the Site, representing the "shallow zone" groundwater interval at the Site. The zone was also identified in geophysical logs conducted in 2009. The depth to groundwater measured in monitoring wells screened in this zone is approximately 8.5 to10 ft.

The logs of the borings drilled in that area, such as well AS-1D, reported vertically continuous clay to a depth of at least 11.5 ft below grade, indicating that the piezometric groundwater level measured at the approximate 8 ft depth likely reflects a confined, groundwater zone.

A deeper groundwater zone has also been identified as a 21 to 34 ft deep interval of poorly graded coarser grained sediments comprised of fine sand and gravel. Based on the measurements of depth to groundwater in shallow wells, and deeper wells the deeper groundwater hydraulic head appears to be similar to the shallow groundwater, indicating potentially inter-fingering of the shallow and deeper groundwater-bearing units rather than separate groundwater units.

## 3.0 GROUNDWATER MONITORING AND SAMPLING

All field activities were completed with safety as a foremost concern. SGI prepared a Site-specific health and safety plan (HASP) for on-site activities related to groundwater monitoring and sampling. All SGI personnel, as well as the on-site subcontractor, were required to familiarize themselves with and sign the HASP to mitigate safety hazards.

Groundwater monitoring and sampling activities were conducted on November 6, 2009. Water-level measurements were taken using a water level meter monitoring instrument. No free-phase hydrocarbons were observed in purge water from any of the wells. The depth-to-groundwater was measured to an accuracy of 0.01-foot from the top of each well casing. The probe was cleaned with a non-phosphatic detergent solution and double-rinsed with deionized water prior to each well measurement.

Prior to purge sampling, approximately three well volumes of groundwater were purged from each well and groundwater parameters were monitored. Depending on diameter, wells were purged utilizing either an electric submersible pump supplied and operated by Blaine Tech Services, Inc. (AIS) of San Jose, California, or by hand bailing with a disposable bailer. Groundwater parameters included temperature, pH, conductivity, turbidity, and volume purged. Purging records and gauging documentation are provided in Appendix A.

After purging activities concluded and the wells were allowed to recharge, groundwater samples were extracted from each well using new, disposable polyethylene bailers. A new bailer was used to sample each well. Samples were sealed, labeled, and placed on ice pending transport to California State-certified Test America Laboratories located in Pleasanton, California. Groundwater samples were analyzed for TPHg, and selected VOCs in accordance with the Environmental Protection Agency (EPA) Method 8260B, and TPH-d by EPA Method 8015M. Analytical results for groundwater are shown in Table 2 and discussed in Section 5.0 below. Laboratory reports are provided in Appendix B.

## 4.0 WASTE CHARACTERIZATION AND DISPOSAL

All waste generated during groundwater sampling activities, including decontamination water, and purged groundwater, was pumped into three 55-gallon drums, labeled, and stored on site depending the results of analysis for profiling for transportation and disposal/recycling. A copy of the drum log is included in Appendix C.

## 5.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS

Shallow groundwater at the site was reported at depths ranging between 8 to 9.93 ft below top of casing (Figure 2). Corresponding groundwater elevations ranged from 11.37 to 8.28 ft above mean sea level across the site in wells MW-4 and MW-5, respectively. The shallow groundwater at the Site appears to show a westerly gradient. The groundwater gradient is approximately 0.6 percent [0.006 feet per foot (ft/ft)] to the west. The deeper groundwater was reported at an elevation of approximately 9.81 and 9.82 feet above mean sea level in wells AS-1D and ASMW-2D, respectively. Gradient is not established for the lower water bearing zone, however, based on similar elevation in shallow and deeper wells, the gradient direction in the deeper zone can be assumed to be similar to the shallow zone.

All groundwater samples were tested for TPH-g, TPH-d, BTEX, MTBE, and 1,2-DCA. Analytical results are summarized below and in Table 2.

# 6.0 DISCUSSION AND RECOMMENDATIONS

## 6.1 Fourth Quarter Results

Overall groundwater elevations have decreased slightly during the fourth quarter 2009 as compared to previous monitoring events. The groundwater gradient in the shallow water zone has historically been reported to range from west to northwest. The shallow groundwater gradient during the fourth quarter 2009 monitoring event was a relatively "flat" horizontal groundwater gradient of approximately 0.006 feet per foot or 0.6 percent to the west. The VOC concentrations reported in all wells were similar to the concentrations reported during previous monitoring events. Well MW-6 and ASMW-2S reported higher concentration of TPH-g and VOCs than previous monitoring events, and MW-3 reported higher TPH-d concentrations than previous events. A total of 137 gallons of water were extracted during well purging and monitoring. With the exception of MW-2 and MW-3, the wells tend to show relatively rapid recharge after purging.

## 6.3 Recommendations

SGI recommends following the SFB RWQCB directive for semi-annual sampling of the site pending the implementation of groundwater remediation. SGI has submitted a revised work plan proposing implementation of dual-phase high vacuum remediation action of Area 4. SGI recommends proceeding with this work, upon receipt of approval from the regulator.

# 7.0 STANDARD LIMITATIONS

This report has been prepared for the exclusive use of PCC Flow Technologies, Inc. and their authorized representatives as it pertains to the Site located at 9201 San Leandro, Oakland, California. The findings and conclusions rendered in this report are opinions based primarily on field testing and laboratory analysis of soil and groundwater samples collected during this event. This report does not reflect subsurface variations that may exist between sampling points. These variations cannot be anticipated nor can they be entirely accounted for, even with exhaustive additional testing.

All work was performed under the supervision of a Professional Geologist as defined in the Registered Geologist Act of the California Code of Regulations. The information contained in this report represents SGI's professional opinions, and is based in part on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

Laboratory quality assurance-quality control (QA/QC) results were all within acceptable parameters. Sample MW-3 MW-6, AS-1S, and ASMW-2S were analyzed for benzene, toluene, ethylbenzene, xylenes, MTBE, and 1,2-DCA with a dilution factor greater than 1 due to elevated concentration of analytes. The dilution factor increased the reporting limit (RL) for all analytes. Laboratory control sample (LCS) and Laboratory control sample duplicate (LCSD) were flagged with a qualifier for exceeding control limits in quality assurance batch tests associated with MW-3, MW-6, AS-1S, ASMW-1S. The batch was accepted based on non-detect results for target analyte or all other individual LCS or LCSD results were within acceptable range. The laboratory reported the sample results for AS-1S and AS-1D as AI-1S and AI-1D because the samples were incorrectly entered into the chain-of-custody. Sample identification was confirmed by comparing the well purge logs to the chain-of-custody form.

TPH-g, TPH-d, benzene, toluene, ethylbenzene, xylenes, MTBE, and 1,2-DCA were detected above laboratory RLs. The highest concentration of contaminants was reported in well ASMW-2S. Constituents with detected concentrations above RLs were compared the San Francisco Bay Regional Water Quality Control Board's Environmental Screening Levels (ESLs) for sites where groundwater is and is not current or potential drinking water source (ESL Tables F-1a and F-1b). Table 2 shows a summary of the detected concentrations and the ESL screening levels with concentrations that exceed the residential screening levels reported in bold font. Concentrations of benzene, TPH-g, and TPH-d are reported on Figure 3, and interpreted benzene isoconcentration lines are shown on Figure 3.

MW-1 and MW-5 are assumed to be downgradient wells from the area 4 source at the Site and during this monitoring event yielded non-detect concentrations for the VOCs tested.. MW-3 is closest to the source area in Area 4 (UST site) and correspondingly shows elevated concentrations of all detected contaminants. MW-4 is up-gradient from MW-3 and the source area, and reports lower BTEX concentrations. The concentration of VOC concentrations reported in all wells were similar to the concentrations reported during previous monitoring events. Well MW-3 reported a higher concentration of TPH-d than previous monitoring events. MW-2 reported a detected concentration of TPH-d (360 µg/L) above the ESL screening limit for drinking water (100 µg/L), however, the reported result was below previous detected results.

# TABLES

**TABLE 1**
**GROUNDWATER MONITORING DATA**
9201 San Leandro Street
Oakland, California

| Well Identification | Date Collected | Top-of-Casing Elevation [1] | Depth to Groundwater [2] | Groundwater Elevation [1] |
|---|---|---|---|---|
| MW-1 | 15-Nov-92 | 18.05 | 9.34 | 8.71 |
| | 9-Mar-93 | | 8.50 | 9.55 |
| | 21-Jul-93 | | 9.00 | 9.05 |
| | 26-May-94 | | 9.06 | 8.99 |
| | 24-Aug-94 | | 8.40 | 9.65 |
| | 22-Nov-94 | | 8.20 | 9.85 |
| | 8-Feb-95 | | 8.30 | 9.75 |
| | 31-May-95 | | 9.35 | 8.70 |
| | 8-Aug-95 | | 9.16 | 8.89 |
| | 29-Nov-95 | | 9.28 | 8.77 |
| | 29-Feb-96 | | 7.62 | 10.43 |
| | 23-May-96 | | 8.28 | 9.77 |
| | 4-Nov-96 | | 9.20 | 8.85 |
| | 13-May-97 | | 9.04 | 9.01 |
| | 14-Nov-07 | | 8.50 | 9.55 |
| | 17-Jun-08 | | 9.04 | 9.01 |
| | 13-Jan-09 | 17.76 | 8.65 | 9.11 |
| | 28-Apr-09 | | 8.67 | 9.09 |
| | 6-Nov-09 | | 8.79 | 8.97 |
| | | | | |
| MW-2 | 15-Nov-92 | 19.40 | 10.05 | 9.35 |
| | 9-Mar-93 | | 9.21 | 10.19 |
| | 21-Jul-93 | | 9.72 | 9.68 |
| | 26-May-94 | | 9.58 | 9.82 |
| | 24-Aug-94 | | 9.98 | 9.42 |
| | 22-Nov-94 | | 8.70 | 10.70 |
| | 8-Feb-95 | | 8.68 | 10.72 |
| | 31-May-95 | | 9.48 | 9.92 |
| | 8-Aug-95 | | 9.64 | 9.76 |
| | 29-Nov-95 | | 9.86 | 9.54 |
| | 29-Feb-96 | | 8.12 | 11.28 |
| | 23-May-96 | | 8.70 | 10.70 |
| | 4-Nov-96 | | 9.50 | 9.90 |
| | 13-May-97 | | 9.44 | 9.96 |
| | 14-Nov-07 | | 8.94 | 10.46 |
| | 17-Jun-08 | | 9.57 | 9.83 |
| | 13-Jan-09 | 19.12 | 9.21 | 9.91 |
| | 28-Apr-09 | | 9.30 | 9.82 |
| | 6-Nov-09 | | 8.91 | 10.21 |
| | | | | |
| MW-3 | 15-Nov-92 | 19.70 | 10.35 | 9.35 |
| | 9-Mar-93 | | 9.19 | 10.51 |
| | 21-Jul-93 | | 11.07 | 8.63 |
| | 26-May-94 | | 10.04 | 9.66 |
| | 24-Aug-94 | | 11.08 | 8.62 |

**TABLE 1**
**GROUNDWATER MONITORING DATA**
9201 San Leandro Street
Oakland, California

| Well Identification | Date Collected | Top-of-Casing Elevation [1] | Depth to Groundwater [2] | Groundwater Elevation [1] |
|---|---|---|---|---|
| MW-3 (continued) | 22-Nov-94 | | 8.92 | 10.78 |
| | 8-Feb-95 | | 8.90 | 10.80 |
| | 31-May-95 | | 10.16 | 9.54 |
| | 8-Aug-95 | | 9.92 | 9.78 |
| | 29-Nov-95 | | 10.7 | 9.00 |
| | 29-Feb-96 | | 8.52 | 11.18 |
| | 23-May-96 | | 8.15 | 11.55 |
| | 4-Nov-96 | | 7.21 | 12.49 |
| | 13-May-97 | | 9.82 | 9.88 |
| | 14-Nov-07 | | 9.21 | 10.49 |
| | 17-Jun-08 | | 9.81 | 9.89 |
| | 13-Jan-09 | 19.42 | 9.58 | 9.84 |
| | 28-Apr-09 | | 9.59 | 9.83 |
| | 6-Nov-09 | | 9.52 | 9.90 |
| | | | | |
| MW-4 | 15-Nov-92 | 19.65 | 8.87 | 10.78 |
| | 9-Mar-93 | | 7.96 | 11.69 |
| | 21-Jul-93 | | 8.06 | 11.59 |
| | 26-May-94 | | 8.57 | 11.08 |
| | 24-Aug-94 | | 8.75 | 10.90 |
| | 22-Nov-94 | | 7.41 | 12.24 |
| | 8-Feb-95 | | 7.20 | 12.45 |
| | 31-May-95 | | 8.32 | 11.33 |
| | 8-Aug-95 | | 8.66 | 10.99 |
| | 29-Nov-95 | | 8.93 | 10.72 |
| | 29-Feb-96 | | 6.54 | 13.11 |
| | 23-May-96 | | 7.24 | 12.41 |
| | 4-Nov-96 | | 8.58 | 11.07 |
| | 13-May-97 | | 8.42 | 11.23 |
| | 14-Nov-07 | | 7.61 | 12.04 |
| | 17-Jun-08 | | 8.31 | 11.34 |
| | 13-Jan-09 | 19.37 | NM | NM |
| | 28-Apr-09 | | NM | NM |
| | 6-Nov-09 | | 8.00 | 11.37 |
| | | | | |
| MW-5 | 24-Aug-94 | 18.49 | 8.22 | 10.27 |
| | 22-Nov-94 | | 7.90 | 10.59 |
| | 8-Feb-95 | | 7.92 | 10.57 |
| | 31-May-95 | | 8.74 | 9.75 |
| | 8-Aug-95 | | 8.93 | 9.56 |
| | 29-Nov-95 | | 9.11 | 9.38 |
| | 29-Feb-96 | | 7.36 | 11.13 |
| | 23-May-96 | | 7.92 | 10.57 |
| | 4-Nov-96 | | 8.78 | 9.71 |
| | 13-May-97 | | 8.82 | 9.67 |

**TABLE 1**
**GROUNDWATER MONITORING DATA**
9201 San Leandro Street
Oakland, California

| Well Identification | Date Collected | Top-of-Casing Elevation [1] | Depth to Groundwater [2] | Groundwater Elevation [1] |
|---|---|---|---|---|
| MW-5 (continued) | 14-Nov-07 | | 8.16 | 10.33 |
| | 17-Jun-08 | | 8.75 | 9.74 |
| | 13-Jan-09 | 18.21 | 8.46 | 9.75 |
| | 28-Apr-09 | | 8.50 | 9.71 |
| | 6-Nov-09 | | 9.93 | 8.28 |
| | | | | |
| MW-6 | 13-Jan-09 | 19.46 | 9.59 | 9.87 |
| | 28-Apr-09 | | 9.65 | 9.81 |
| | 6-Nov-09 | | 9.60 | 9.86 |
| | | | | |
| MW-7 | 13-Jan-09 | 19.44 | 9.66 | 9.78 |
| | 28-Apr-09 | | 9.67 | 9.77 |
| | 6-Nov-09 | | 9.64 | 9.80 |
| | | | | |
| AS-1S | 13-Jan-09 | 19.38 | 9.45 | 9.93 |
| | 28-Apr-09 | | 9.67 | 9.71 |
| | 6-Nov-09 | | 9.63 | 9.75 |
| | | | | |
| ASMW2S | 13-Jan-09 | 19.38 | 9.51 | 9.87 |
| | 28-Apr-09 | | 9.55 | 9.83 |
| | 6-Nov-09 | | 9.53 | 9.85 |
| | | | | |
| AS-1D | 13-Jan-09 | 19.31 | 9.42 | 9.89 |
| | 28-Apr-09 | | 9.48 | 9.83 |
| | 6-Nov-09 | | 9.50 | 9.81 |
| | | | | |
| ASMW-2D | 13-Jan-09 | 19.52 | 9.65 | 9.87 |
| | 28-Apr-09 | | 9.69 | 9.83 |
| | 6-Nov-09 | | 9.70 | 9.82 |

**Notes:**

[1] Top-of-casing and groundwater elevation in North America Vertical Datum 1988; wells re-surveyed by Tronoff Assocaites Land Surveying on February 2, 2009.

[2] Depth to water measured in feet below top of casing.

**TABLE 2**
**ANALYTICAL RESULTS FOR VOLATILE ORGANIC ANALYSES**
**GROUNDWATER SAMPLES**
9201 San Leandro Street
Oakland, California

*concentrations (µg/L)*

| Sample Location | Date Collected | Depth feet bgs | TPHd | TPHmo | TPHk | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Other Fuel Additives |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **LFR Area 1 - Southwestern Corner of the Site, west of the "workshop building"** | | | | | | | | | | | | |
| MW-2 | 16-Nov-92 | 5.25-20.25 | <50 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 9-Mar-93 | | **430** | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 21-Jul-93 | | <50 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 29-Jan-94 | | <50 | NA | NA | <50 | <2.0 | <2.0 | <2.0 | <2.0 | NA | NA |
| | 26-May-94 | | <50 | NA | NA | <50 | **2.3** | 0.8 | <0.5 | <0.5 | NA | NA |
| | 24-Aug-94 | | <50 | NA | NA | <50 | **3.1** | 1.4 | 0.5 | 0.6 | NA | NA |
| | 22-Nov-94 | | <50 | NA | NA | <50 | **3.4** | 1.8 | <0.5 | 0.5 | NA | NA |
| | 8-Feb-95 | | <50 | NA | NA | <50 | **4.5** | 1.3 | <0.5 | 0.5 | NA | NA |
| | 31-May-95 | | <50 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8-Aug-95 | | <50 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 29-Nov-95 | | <50 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 29-Feb-96 | | <50 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 23-May-96 | | <50 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4-Nov-96 | | <50 | NA | NA | NA | NA | NA | NA | NA | NA | ND |
| | 13-Nov-03 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <2.0 | NA | ND |
| | 17-Jun-08 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 1.1 | ND |
| | 6-Nov-09 | | **360** | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 0.63 | ND |
| **LFR Area 2 - Area South of the Warehouse Storage Area Building Adjacent to the Southern Property Boundary** | | | | | | | | | | | | |
| MW-1 | 15-Nov-92 | 5.25-20.25 | <50 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9-Mar-93 | | **140** | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 21-Jul-93 | | <50 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 29-Jan-94 | | <50 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 26-May-94 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 24-Aug-94 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 22-Nov-94 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 8-Feb-95 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 31-May-95 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 23-May-96 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 27-Oct-00 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 14-Nov-07 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | NA |
| | 17-Jun-08 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 0.67 | NA |
| | 6-Nov-09 | | <51 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | ND |

**TABLE 2**
**ANALYTICAL RESULTS FOR VOLATILE ORGANIC ANALYSES**
**GROUNDWATER SAMPLES**
9201 San Leandro Street
Oakland, California

*concentrations (µg/L)*

| Sample Location | Date Collected | Depth feet bgs | TPHd | TPHmo | TPHk | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Other Fuel Additives |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **LFR Area 4 - Former UST near Groundwater Monitoring Well MW-3** | | | | | | | | | | | | |
| MW-3 | 16-Nov-92 | 5.25-20.25 | <50 | NA | NA | **40,000** | **2,900** | **6,100** | **550** | **1,700** | NA | NA |
| | 9-Mar-93 | | **290** | NA | NA | **12,000** | **1,000** | **300** | **110** | **170** | NA | NA |
| | 21-Jul-93 | | <50 | NA | NA | **3,400** | **420** | **63** | 36 | **37** | NA | NA |
| | 29-Jan-94 | | <50 | NA | NA | **5,600** | **910** | **220** | **47** | **36** | NA | NA |
| | 26-May-94 | | <50 | NA | NA | **5,200** | **890** | **180** | **45** | **43** | NA | NA |
| | 24-Aug-94 | | <50 | NA | NA | **5,200** | **580** | 76 | 29 | **22** | NA | NA |
| | 22-Nov-94 | | <50 | NA | NA | **2,200** | **670** | **130** | **31** | **28** | NA | NA |
| | 8-Feb-95 | | <50 | NA | NA | **2,900** | **780** | **120** | **31** | **33** | NA | NA |
| | 31-May-95 | | NA | NA | NA | **9,100** | **2,800** | **160** | **91** | **72** | NA | NA |
| D | 31-May-95 | | NA | NA | NA | **5,300** | **1,300** | **170** | **37** | **44** | NA | NA |
| | 28-Aug-95 | | NA | NA | NA | **1,400** | <0.5 | <0.5 | 1.7 | 8.9 | NA | NA |
| D | 28-Aug-95 | | NA | NA | NA | **4,800** | **2,500** | **150** | **53** | **44** | NA | NA |
| | 29-Nov-95 | | NA | NA | NA | **3,000** | **780** | **43** | **32** | **32** | NA | NA |
| D | 29-Nov-95 | | NA | NA | NA | **2,400** | **830** | 38 | 21 | 16 | NA | NA |
| | 29-Feb-96 | | NA | NA | NA | **3,800** | **1,200** | **130** | **36** | **35** | NA | NA |
| D | 29-Feb-96 | | NA | NA | NA | **8,000** | **3,400** | **430** | **100** | **99** | NA | NA |
| | 23-May-96 | | NA | NA | NA | **6,900** | **3,300** | **340** | **71** | **74** | NA | NA |
| D | 23-May-96 | | NA | NA | NA | **4,300** | **3,200** | **350** | **72** | **74** | NA | NA |
| | 4-Nov-96 | | NA | NA | NA | **4,900** | **2,100** | 110 | **70** | **44** | NA | NA |
| D | 4-Nov-96 | | NA | NA | NA | **4,500** | **2,100** | **130** | **61** | **39** | NA | NA |
| | 13-May-97 | | NA | NA | NA | **10,000** | **4,800** | **530** | **100** | **92** | <100 | NA |
| | 26-Jan-98 | | NA | NA | NA | **12,000** | **5,000** | **250** | **91** | **100** | NA | NA |
| | 27-Oct-00 | | NA | NA | NA | **19,000** | **9,000** | **1,000** | **250** | **130** | NA | NA |
| | 3-Nov-03 | | NA | NA | NA | **13,000** | **3,900** | **370** | **300** | **130** | <40 | NA |
| | 17-Jun-08 | | NA | NA | NA | **13,000** | **4,400** | **600** | **300** | **150** | <100 | NA |
| | 6-Nov-09 | | **710** | NA | NA | **13,000** | **3,400** | **400** | **310** | **220** | <2.5 | **4.1** (1,2-DCA) |
| | | | | | | | | | | | | |
| MW-5 | 24-Aug-94 | 5.25-20.25 | **130** | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| D | 22-Nov-94 | | <50 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 8-Feb-95 | | <50 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 31-May-95 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 8-Aug-95 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 29-Feb-96 | | NA | NA | NA | <50 | 0.6 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 13-May-97 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 27-Oct-00 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA |
| | 13-Nov-03 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | NA |
| | 17-Jun-08 | | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 6-Nov-09 | | **1,300** | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | ND |

**TABLE 2**
**ANALYTICAL RESULTS FOR VOLATILE ORGANIC ANALYSES**
**GROUNDWATER SAMPLES**
9201 San Leandro Street
Oakland, California

*concentrations (µg/L)*

| Sample Location | Date Collected | Depth feet bgs | TPHd | TPHmo | TPHk | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Other Fuel Additives |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **LFR Area 4 - Former UST near Groundwater Monitoring Well MW-3 (continued)** | | | | | | | | | | | | |
| MW-6 | 14-Jan-09 | 10-17 | NA | NA | | **740** | **66** | **48** | 6.3 | **23** | 1.2 | **17** (1,2-DCA) |
| | 6-Nov-09 | 10-17 | **1,200** | NA | | **4,500** | **1,300** | **270** | **110** | 44 | <2.5 | **39** (1,2-DCA) |
| | | | | | | | | | | | | |
| AS-1S | 13-Jan-09 | 14-17 | NA | NA | | **41,000** | **4,100** | **2,700** | **510** | **1,000** | <25 | ND |
| | 6-Nov-09 | 14-17 | **1,300** | NA | | **3,800** | **950** | **7.3** | **76** | **42** | <0.5 | **3.1** (1,2-DCA) |
| | | | | | | | | | | | | |
| ASMW-2S | 13-Jan-09 | 10-17 | NA | NA | | **9,100** | **2,800** | **430** | **140** | **230** | <10 | **25** (1,2-DCA) |
| | 6-Nov-09 | 10-17 | **2,400** | NA | | **18,000** | **4,700** | **540** | **330** | **530** | <2.5 | **50** (1,2-DCA), **46** (TBA) |
| | | | | | | | | | | | | |
| MW-7 | 14-Jan-09 | 20-28 | NA | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 1.1 | ND |
| | 6-Nov-09 | 20-28 | <52 | NA | NA | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 1.3 | ND |
| | | | | | | | | | | | | |
| AS-1D | 13-Jan-09 | 31-34 | NA | NA | | <50 | 0.69 | 0.54 | <0.5 | <0.5 | <0.5 | ND |
| | 6-Nov-09 | 31-34 | <53 | NA | | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | ND |
| | | | | | | | | | | | | |
| ASMW-2D | 13-Jan-09 | 24-34 | NA | NA | | <50 | 0.80 | 0.78 | <0.5 | <0.5 | 0.56 | ND |
| | 6-Nov-09 | 24-34 | <51 | NA | | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 0.58 | ND |
| **LFR Area 5 - Suspected Former UST near Groundwater Monitoring Well MW-4** | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| MW-4 | 16-Nov-92 | 5.25-20.25 | <50 | NA | NA | **560** | **66** | **73** | 16 | **130** | NA | NA |
| D | 16-Nov-92 | | <50 | NA | NA | **520** | **63** | **67** | 15 | **140** | NA | NA |
| | 9-Mar-93 | | <50 | NA | NA | **750** | **67** | 12 | 29 | **62** | NA | NA |
| | 21-Jul-93 | | <50 | NA | NA | **250** | **21** | 4.2 | 8.4 | 11 | NA | NA |
| | 29-Jan-94 | | <50 | NA | NA | **180** | **28** | 2.2 | 6.2 | 10 | NA | NA |
| | 26-May-94 | | NA | NA | NA | **130** | **14** | 3.2 | 6.1 | 4.7 | NA | NA |
| **LFR Area 5 - Suspected Former UST near Groundwater Monitoring Well MW-4 (continued)** | | | | | | | | | | | | |
| MW-4 | 24-Aug-94 | | NA | NA | NA | 70 | **6.7** | 0.9 | 2.8 | 2.6 | NA | NA |
| | 22-Nov-94 | | NA | NA | NA | 90 | **16** | 1.7 | 5.6 | 3.4 | NA | NA |
| | 8-Feb-95 | | NA | NA | NA | 90 | **17** | 1.3 | 5.5 | 3.0 | NA | NA |
| | 31-May-95 | | NA | NA | NA | 90 | **13** | 0.6 | 2.3 | 1.2 | NA | NA |
| | 8-Aug-95 | | NA | NA | NA | 80 | **3.6** | <0.5 | 1.4 | 0.6 | NA | NA |
| | 29-Nov-95 | | NA | NA | NA | <50 | **4.5** | 0.7 | 1.0 | 0.7 | NA | NA |
| | 29-Feb-96 | | NA | NA | NA | <50 | **7.4** | 1.0 | 3.2 | 2.4 | NA | NA |
| | 23-May-96 | | NA | NA | NA | 80 | **11** | 2.0 | 2.3 | 1.0 | NA | NA |
| | 3-Nov-03 | | <50 | NA | NA | <50 | **6.3** | 0.56 | 3.4 | 1.0 | <2.0 | NA |
| | 18-Jun-08 | | <50 | NA | NA | 81 | **11** | 0.51 | 4.7 | 1.6 | <0.5 | ND |
| | 6-Nov-09 | | <50 | NA | NA | <50 | **4.0** | <0.5 | 1.3 | <1.0 | <0.5 | ND |

**TABLE 2**
**ANALYTICAL RESULTS FOR VOLATILE ORGANIC ANALYSES**
**GROUNDWATER SAMPLES**
9201 San Leandro Street
Oakland, California

*concentrations (µg/L)*

| Sample Location | Date Collected | Depth feet bgs | TPHd | TPHmo | TPHk | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Other Fuel Additives |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ESL's Groundwater *is* current or potential drinking water source** | | | 100 | 100 | 100 | 100 | 1 | 40 | 30 | 20 | 5 | 0.5 (1,2-DCA), 12 (TBA) |
| **ESL's Groundwater *is not* current or potential drinking water source** | | | 210 | 210 | 210 | 210 | 46 | 130 | 43 | 100 | 1,400 | 200 (1,2-DCA) 18,000 (TBA) |

**Notes:**

bgs = below ground surface

NA = parameter not analyzed

ND = parameter not present above laboratory reporting limits

TPHd = total petroleum hydrocarbons as diesel

TPHmo = total petroleum hydrocarbons as motor oil

TPHg = total petroleum hydrocarbons as gasoline

MTBE = methyl tert-butyl ether

D = duplicate sample

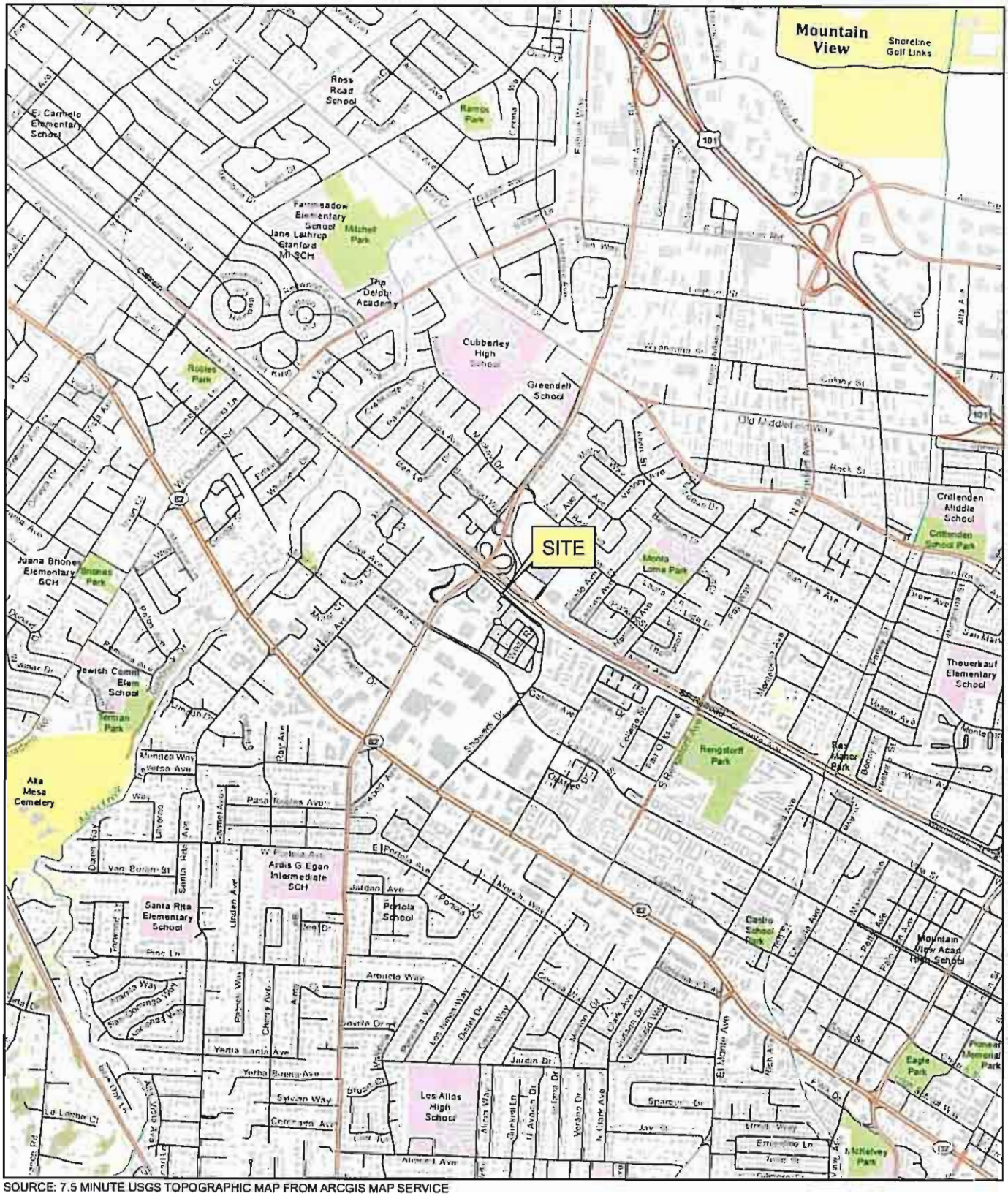
1,2-DCA = 1,2-dichloroethane

TBA - tertiary butyl alcohol

ESL = San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels Table F-1a and Table F-1b RWQCB May 2008

**Bold Font** denotes concentration was greater than the ESL .

# FIGURES




SOURCE: 7.5 MINUTE USGS TOPOGRAPHIC MAP FROM ARCGIS MAP SERVICE

| PROJECT NO.: | DATE: | DR.BY: | APP.BY: | SCALE 1:24,000 |
|---|---|---|---|---|
| 04-PFT-001 | 10/14/2009 | AC | SS | 0 900 1,800 3,600 Feet |

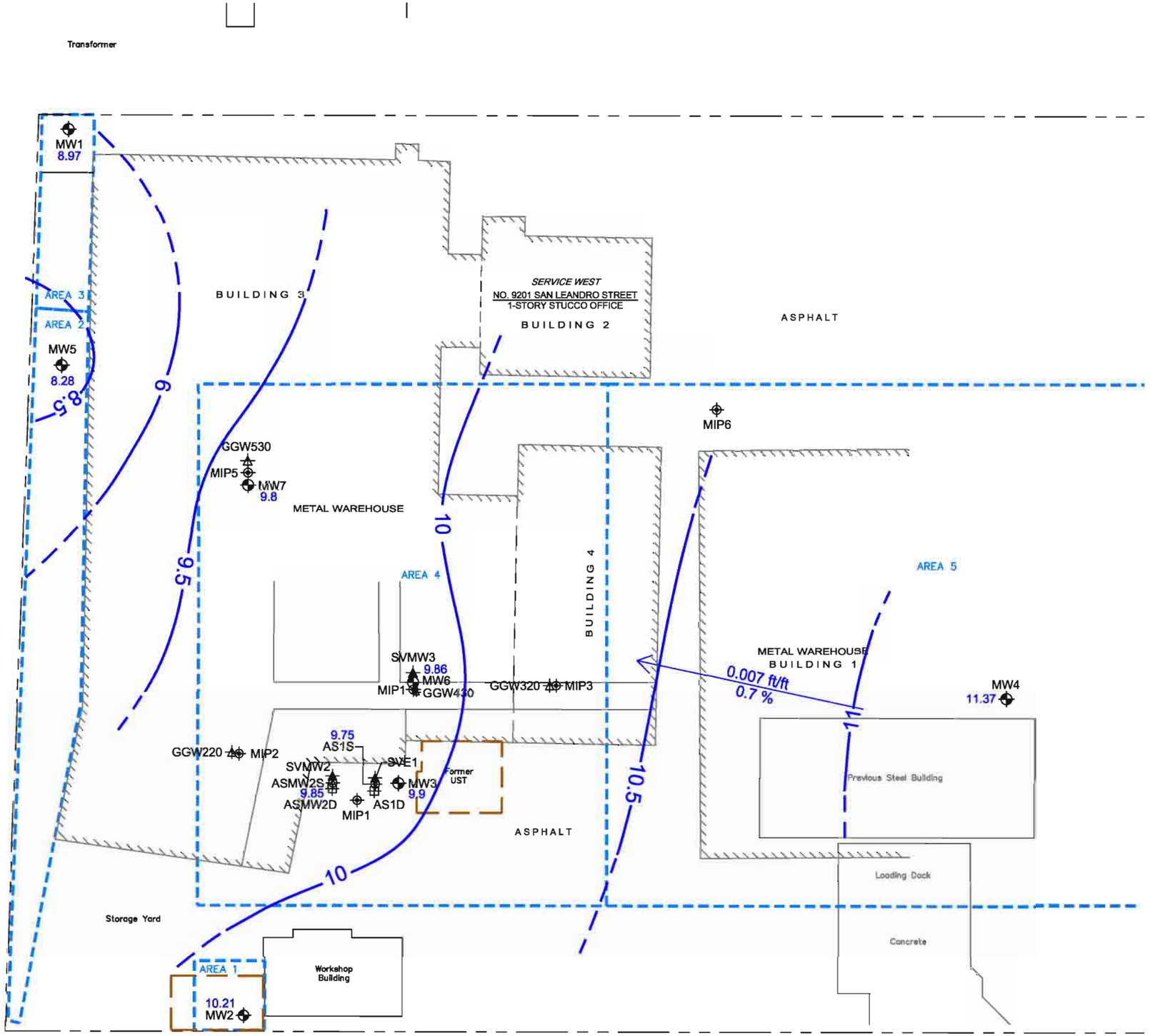
N


SGI environmental THE SOURCE GROUP, INC.
1962 FREEMAN AVE.
SIGNAL HILL, CA 90755


**FORMER PACO PUMPS FACILITY**
9201 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

**SITE LOCATION MAP**

FIGURE 1




## LEGEND

- Site Boundary
- Project areas of concern
- Groundwater contours November 6, 2009.
- AS1D — Deep groundwater air injection or air injection monitoring well by LFR January 2009
- AS1S — Shallow groundwater air injection or air injection monitoring well LFR January 2009
- SVMW3 — Vadose well by LFR January 2009
- MW6 — Groundwater monitoring well
- MIP3 — Membrane interface probe by LFR January 2009
- GGW320 — Grab groundwater sample location by LFR January 2009
- Area of 2009 excavation
- 0.007 ft/ft, 0.7 % — Groundwater gradient feet per foot and percent
- 11.37 — Groundwater elevation measured November 6, 2009.

0 40 80

APPROXIMATE SCALE IN FEET

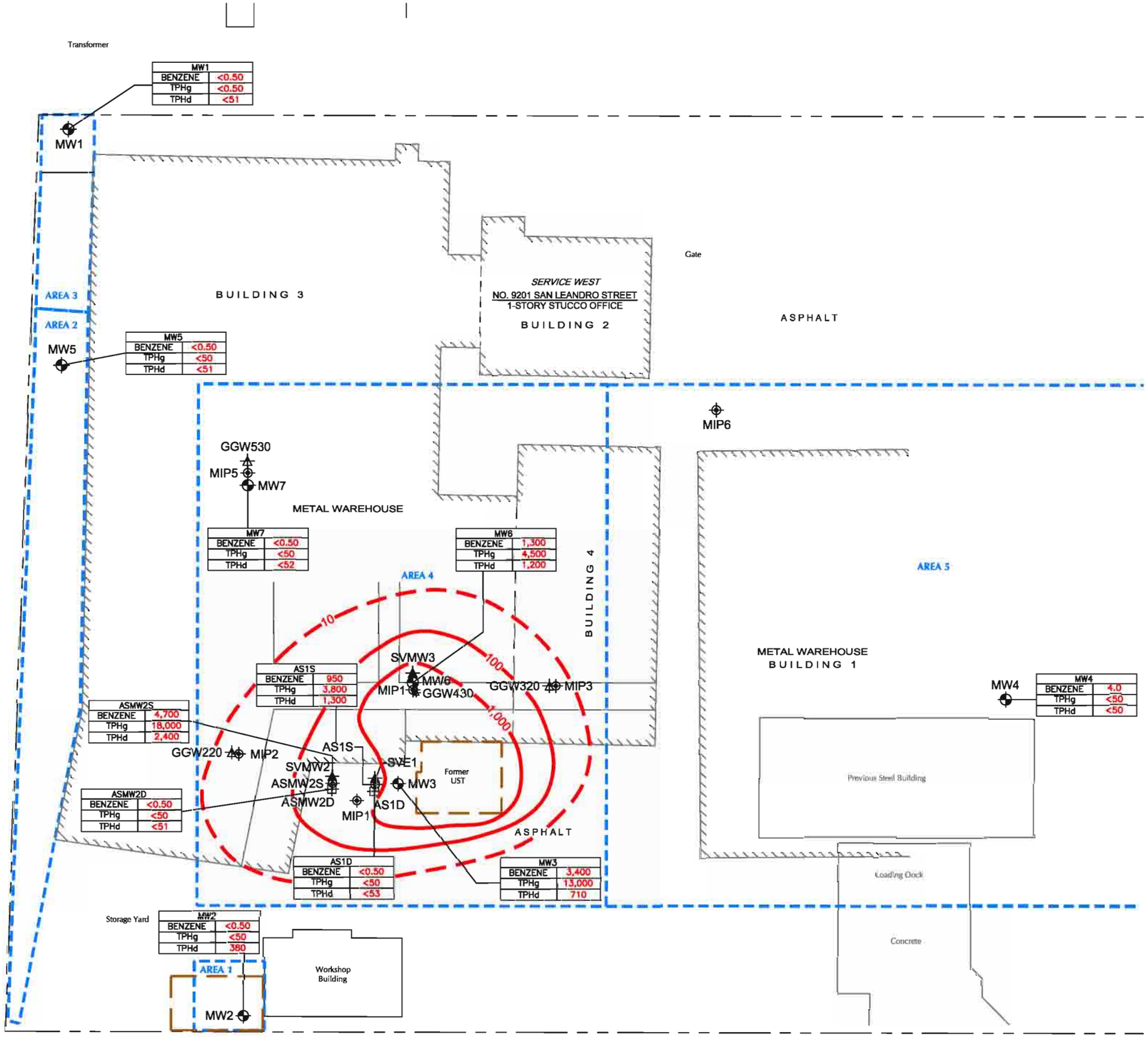
| DATE: | FILE NAME: | SOURCE: |
|---|---|---|
| 11-23-2009 | PCC-Q4-09.DWG | LFR, MAY 2009 |

# GROUNDWATER GRADIENT MAP FOURTH QUARTER 2009

9201 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

SGI environmental — THE SOURCE GROUP, INC.

FIGURE 2




## LEGEND

- Site Boundary
- Project areas of concern
- Benzene Isoconcentrations
- AS1D — Deep groundwater air injection or air injection monitoring well by LFR January 2009
- AS1S — Shallow groundwater air injection or air injection monitoring well LFR January 2009
- SVMW3 — Vadose well by LFR January 2009
- MW6 — Groundwater monitoring well
- MIP3 — Membrane interface probe by LFR January 2009
- GGW320 — Grab groundwater sample location by LFR January 2009
- Area of 2009 excavation

B = Benzene

TPHg = Totoal Petroleum Hydrocarbons Gasoline Range

TPHd = Totoal Petroleum Hydrocarbons Diesal Range

All concentrations reported in ($\mu g/L$)

$\mu$

0 40 80

APPROXIMATE SCALE IN FEET

| DATE: | FILE NAME: | SOURCE: |
|---|---|---|
| 11-23-2009 | PCC-Q4-09.DWG | LFR, MAY 2009 |

# GROUNDWATER CONCENTRATIONS BENZENE AND TOTAL PETROLEUM HYDROCARBONS FOURTH QUARTER 2009

9201 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

SGI environmental — THE SOURCE GROUP, INC.

FIGURE 3

# APPENDIX A

# PURGING RECORDS AND GAUGING DOCUMENTATION

# WELL GAUGING DATA

Project # 091106-SO1 Date 11-6-09 Client The Source group

Site 9201 San Leandro Ave Oakland CA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 0830 | 4 | | | | | 8.79 | 20.05 | | |
| MW-2 | 0835 | 4 | | | | | 8.91 | 20.00 | | |
| MW-3 | 0900 | 4 | | | | | 9.52 | 20.22 | | |
| MW-4 | 0900 | 4 | | | | | 8.00 | 19.95 | | |
| MW-5 | 0889 | 4 | | | | | 9.93 | 20.05 | | |
| MW-6 | 0850 | 2 | | | | | 9.60 | 16.31 | | |
| MW-7 | 0845 | 2 | | | | | 9.64 | 27.20 | | |
| AS-1S | 0855 | 2 | | | | | 9.63 | 16.78 | | |
| AS-1D | 0850 | 2 | | | | | 9.50 | 32.96 | | |
| ASMW-2S | 0845 | 2 | | | | | 9.53 | 16.95 | | |
| ASMW-2D | 0840 | 2 | | | | | 9.70 | 33.83 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

# WELLHEAD INSPECTION CHECKLIST



Date 11-6-09 Client The Source group

Site Address 4201 San Leandro ave Oakland ca

Job Number 891106-S91 Technician JO / JP

| Well ID | Well Inspected - No Corrective Action Required | Water Bailed From Wellbox | Wellbox Components Cleaned | Cap Replaced | Debris Removed From Wellbox | Lock Replaced | Other Action Taken (explain below) | Well Not Inspected (explain below) |
|---|---|---|---|---|---|---|---|---|
| MW-1 | | | | X | | X | | |
| MW-2 | | | | X | | X | | |
| MW-3 | | | | | | X | | |
| MW-4 | | | | X | | X | | |
| MW-5 | | | | | | X | | |
| MW-6 | * X | | | | | X | | |
| MW-7 | * X | | | | | X | | |
| AS-1S | * X | | | | | X | | |
| AS-1D | * X | | | | | X | | |
| ASMW-2S | * X | | | | | X | | |
| AS MW-2D | * X | | | | | X | | |
| | | | | | | X | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTES: MW-1, 2 of 2 Bolts missing, no lock Broken cap, MW-2 1 of 2 Bolts missing, Broken cap no lock, MW-3 no lock, MW-4 Broken cap no lock Diamond plated well lid MW-5 2 of 2 Bolts missing no lock MW-6, AS-1S.

* changed from dolphin lock to 2357 per client.

# TEST EQUIPMENT CALIBRATION LOG

| PROJECT NAME 9201 San Leandro Ave Oakland, CA | | | | PROJECT NUMBER 09406-J01 | | | |
|---|---|---|---|---|---|---|---|
| EQUIPMENT NAME | EQUIPMENT NUMBER | DATE/TIME OF TEST | STANDARDS USED | EQUIPMENT READING | CALIBRATED TO: OR WITHIN 10%: | TEMP. | INITIALS |
| MYRON L | 6222814 | 11/6/09 | 7, 10, 4 3900 | 7.07, 10.01, 4.31 3903 | yes | 19.1 | JD |
| MYRON L | 6215733 | ↓ | 7, 10, 4 3900 | 7, 10, 4 3900 | Yes | 19.1 | JD |
| Hach 2100P | 09090C037049 | | 20/100 | 20/100 | Yes | — | JD |
| Hach 2100P | 060702010520 | ↓ | 20/100 | 20/100 | Yes | — | JD |
| | | | | | | | |
| | | | | | | | |
| | | ↓ | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-J01 | Client: TSG |
| Sampler: JP | Date: 11/6/09 |
| Well I.D.: MW-1 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 20.05 | Depth to Water (DTW): 8.79 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.04 | |

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

7.3 (Gals.) X 3 = 21.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or °C) | pH | Cond. (mS or µS) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 0946 | 19.8 | 6.02 | 766.1 | 219 | 7.3 | |
| 0948 | 19.9 | 6.39 | 781.8 | 812 | 14.6 | |
| 0950 | 19.8 | 6.46 | 809.9 | 397 | 21.9 | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 21.9

Sampling Date: 11/6/09 Sampling Time: 0955 Depth to Water: 10.25

Sample I.D.: MW-1 Laboratory: Kiff CalScience Other TA-ST

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | | |
|---|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-501 | Client: the source group |
| Sampler: JG | Date: 11-6-09 |
| Well I.D.: MW-2 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): 20.00 | Depth to Water (DTW): 8.91 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.13 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

7.2 (Gals.) X 3 = 21.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1225 | 19.9 | 7.79 | 1044 | >1000 | 7.2 | Brown cloudy |
| 1227 | 19.8 | 7.22 | 1169 | >1000 | 14.4 | " " |
| | Dewatered @ 15 gallons | | | | | |
| 1235 | 19.7 | 7.22 | 1168 | >1000 | — | Brown/dark |
| | | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 15

Sampling Date: 11-6-09 Sampling Time: 1235 Depth to Water: 11.60

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other TA-SE

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-301 | Client: TSG |
| Sampler: JP | Date: 11/6/09 |
| Well I.D.: MW-3 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 20.22 | Depth to Water (DTW): 9.52 |
| Depth to Free Product: ~~20.22~~ | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.66 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

| 7.0 (Gals.) X | 3 | = | 21.0 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1231 | 19.4 | 7.43 | 1202 | 85 | 7 | ODOR |
| 1233 | 19.6 | 7.04 | 1188 | >1000 | 14 | " |
| ~~1235~~ | WELL DEWATERED @ | | 16 GALLONS | | | |
| | | | | | * Fast recharge | |
| 1245 | 19.3 | 6.98 | 1098 | >1000 | ——— | " |

Did well dewater? (Yes) No — Gallons actually evacuated: 16

Sampling Date: 11/6/09 — Sampling Time: 1245 — Depth to Water: 11.61

Sample I.D.: MW-3 — Laboratory: Kiff CalScience Other TM-SF

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-801 | Client: The Source group |
| Sampler: JO | Date: 11-6-09 |
| Well I.D.: MW-4 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): 19.95 | Depth to Water (DTW): 8.00 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.39 | |

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, ~~Electric Submersible~~, Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:____

7.7 (Gals.) X 3 = 23.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius$^2$ * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 0938 | 19.4 | 7.40 | 925 | 727 | 7.7 | cloudy |
| 0939 | 18.5 | 7.43 | 890 | 737 | 15.4 | ↓ |
| 0941 | 18.5 | 7.47 | 899 | >1000 | 23.1 | ↓ |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 23.1

Sampling Date: 11-6-09 Sampling Time: 0955 Depth to Water:

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other TA-ST

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-J01 | Client: TSG |
| Sampler: JP | Date: 11/6/09 |
| Well I.D.: MW-5 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 20.05 | Depth to Water (DTW): 9.93 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.95 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

6.6 (Gals.) X 3 = 19.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1019 | 20.3 | 7.05 | 471.1 | 693 | 6.6 | GREY CLOUDY |
| 1021 | 20.2 | 6.96 | ~~673~~ 493.7 | 673 | 13.2 | GREY SILTY |
| 1023 | 20.0 | 6.96 | 505.8 | >1000 | 19.8 | GREY SILTY |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 19.8

Sampling Date: 11/5/09 Sampling Time: 1030 Depth to Water: 10.00

Sample I.D.: MW-5 Laboratory: Kiff CalScience Other TA-ST

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 0960 091106-J01 | Client: TSG |
| Sampler: JP | Date: 11/6/09 |
| Well I.D.: MW-6 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 16.31 | Depth to Water (DTW): 9.60 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.94 | |

Purge Method:
- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

1.1 (Gals.) X 3 = 3.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1050 | 19.0 | 7.09 | 1617 | >1000 | 1.1 | |
| 1055 | 19.0 | ~~6.87~~ | 1645 | >1000 | 2.2 | |
| 1100 | 19.0 | 6.88 | 1635 | >1000 | 3.3 | |
| | | | | | | |
| | | | | * Fast recharge | | |

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Date: 11/6/09 Sampling Time: 1105 Depth to Water: 9.71

Sample I.D.: MW-6 Laboratory: Kiff CalScience Other TA-SF

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-501 | Client: The Source Group |
| Sampler: JD | Date: 11-6-09 |
| Well I.D.: MW-7 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth (TD): 27.20 | Depth to Water (DTW): 9.64 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.15 | |

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

| 2.8 (Gals.) X | 3 = | 8.4 Gals. |
|---|---|---|
| 1 Case Volume | Specified Volumes | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1045 | 18.4 | 7.40 | 1040 | 71000 | 2.8 | Brown/cloudy |
| 1049 | 18.3 | 7.31 | 1042 | >1000 | 5.6 | ↓ |
| 1052 | 18.3 | 7.30 | 1041 | >1000 | 8.4 | ↓ |
| | | | | | | |
| | | | | | | ~~8.4~~ |

Did well dewater? Yes (No) Gallons actually evacuated: 8.4

Sampling Date: 11-6-09 Sampling Time: 1055 Depth to Water: 9.97

Sample I.D.: MW-7 Laboratory: Kiff CalScience Other TA-ST

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 090106-J01 | Client: TSG |
| Sampler: JP | Date: 11/6/09 |
| Well I.D.: AS-1S | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth (TD): 16.78 | Depth to Water (DTW): 9.63 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.06 | |

Purge Method:
- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1.1 (Gals.) X 3 = 3.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1334 | 19.3 | 7.12 | 1642 | 306 | 1.1 | |
| 1337 | 19.3 | 6.86 | 1610 | 868 | 2.2 | LT. GREY |
| 1340 | 19.4 | 6.81 | 1597 | 71000 | 3.3 | " " |
| | | | | | | |
| | | | | * Fast recharge | | |

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Date: 11/6/09 Sampling Time: 1345 Depth to Water: 10.00

Sample I.D.: AS-1S Laboratory: Kiff CalScience Other TA-SB

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: ~~0910~~ 091106J01 | Client: TSG |
| Sampler: JP | Date: 11/6/09 |
| Well I.D.: ~~AS MW-1D~~ AS-1D | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 32.96 | Depth to Water (DTW): 9.50 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.19 | |

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

3.8 (Gals.) X 3 = 11.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1300 | 19.2 | 7.45 | 836.5 | 288 | 3.8 | |
| 1305 | 19.2 | 7.30 | 817.1 | >1000 | 7.6 | BRN. CLOUDY |
| 1310 | 19.2 | 7.20 | 815.9 | >1000 | 11.4 | " " |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 11.4

Sampling Date: 11/6/09 Sampling Time: 1315 Depth to Water: 9.52

Sample I.D.: ~~AS MW-1D~~ AS-1D Laboratory: Kiff CalScience Other TM-SP

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106 - 501 | Client: The Source group |
| Sampler: JC | Date: 11-6-09 |
| Well I.D.: ASMW - 25 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth (TD): 16.95 | Depth to Water (DTW): 9.53 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.01 | |

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: ___

| 1.1 (Gals.) X | 3 | = | 3.3 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1353 | 18.7 | 7.4 | 1561 | >1000 | 1.1 | grey/odor |
| 1355 | 18.6 | 6.65 | 1565 | >1000 | 2.2 | " |
| 1357 | 18.5 | 6.66 | 1566 | >1000 | 3.3 | " |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Date: 11-6-09 Sampling Time: 1400 Depth to Water: 10.00

Sample I.D.: ASMW-25 Laboratory: Kiff CalScience Other TA-SF

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Sel cyc

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | | |
|---|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 091106-SD1 | Client: The Source Group |
| Sampler: SD | Date: 11-6-09 |
| Well I.D.: ASMW-2D | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 33.03 | Depth to Water (DTW): 9.70 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.37 | |

Purge Method: Bailer; ~~Disposable Bailer~~; ~~Positive Air Displacement~~; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

3.7 (Gals.) X 3 = 11.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1304 | 19.9 | 7.24 | 916 | >1000 | 3.7 | Brown / cloudy |
| 1307 | 19.9 | 7.23 | 920 | >1000 | 7.4 | " |
| 1311 | 19.8 | 7.20 | 918 | >1000 | 11.1 | " |
| | | | | | | |
| NO DRAW DOWN | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 11.1

Sampling Date: 11-6-09 Sampling Time: 1315 Depth to Water: 9.72

Sample I.D.: ASMW-2D Laboratory: Kiff CalScience Other TA-SE

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# APPENDIX B

# LABORATORY REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 720-23929-1

Job Description: 9201 San Leandro St./04PFT001

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

Attention: Matt Sutton

Approved for release.
Afsaneh Salimpour
Project Manager I
11/19/2009 5:15 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/19/2009

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

**TestAmerica Laboratories, Inc.**
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

**Comments**
No additional comments.

**Receipt**
Received samples AI-1S and AI-1D on COC,  Sample bottles labeled as AS-1S and AS-1D. Logged per COC and sample times.

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

**GC/MS VOA**
Method(s) 8260B: The method blank for preparation batch #61332 contained 2-Methyl-2-propanol above the reporting limit (RL).  None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method(s) 8260B: The laboratory control sample (LCS) for batch 61560 exceeded control limits for the following analytes: Isopropyl ether.

No other analytical or quality issues were noted.

**GC Semi VOA**
No analytical or quality issues were noted.

**Organic Prep**
No analytical or quality issues were noted.

## EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-23929-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|
| **720-23929-2** | **MW-2** | | | | |
| Methyl tert-butyl ether | | 0.63 | 0.50 | ug/L | 8260B/CA_LUFTMS |
| Diesel Range Organics [C10-C28] | | 360 | 51 | ug/L | 8015B |
| **720-23929-3** | **MW-3** | | | | |
| Benzene | | 3400 | 50 | ug/L | 8260B/CA_LUFTMS |
| Ethylbenzene | | 310 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Toluene | | 400 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Xylenes, Total | | 220 | 5.0 | ug/L | 8260B/CA_LUFTMS |
| Gasoline Range Organics (GRO)-C5-C12 | | 13000 | 5000 | ug/L | 8260B/CA_LUFTMS |
| 1,2-DCA | | 4.1 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Diesel Range Organics [C10-C28] | | 710 | 52 | ug/L | 8015B |
| **720-23929-4** | **MW-4** | | | | |
| Benzene | | 4.0 | 0.50 | ug/L | 8260B/CA_LUFTMS |
| Ethylbenzene | | 1.3 | 0.50 | ug/L | 8260B/CA_LUFTMS |
| **720-23929-5** | **MW-5** | | | | |
| Diesel Range Organics [C10-C28] | | 1300 | 51 | ug/L | 8015B |
| **720-23929-6** | **MW-6** | | | | |
| Benzene | | 1300 | 25 | ug/L | 8260B/CA_LUFTMS |
| Ethylbenzene | | 110 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Toluene | | 270 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Xylenes, Total | | 44 | 5.0 | ug/L | 8260B/CA_LUFTMS |
| Gasoline Range Organics (GRO)-C5-C12 | | 4500 | 2500 | ug/L | 8260B/CA_LUFTMS |
| 1,2-DCA | | 39 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Diesel Range Organics [C10-C28] | | 1200 | 51 | ug/L | 8015B |
| **720-23929-7** | **MW-7** | | | | |
| Methyl tert-butyl ether | | 1.3 | 0.50 | ug/L | 8260B/CA_LUFTMS |

## EXECUTIVE SUMMARY - Detections

Client: The Source Group

Job Number: 720-23929-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|
| **720-23929-8** | **AI-1S** | | | | |
| Benzene | | 950 | 5.0 | ug/L | 8260B/CA_LUFTMS |
| Ethylbenzene | | 76 | 0.50 | ug/L | 8260B/CA_LUFTMS |
| Toluene | | 7.3 | 0.50 | ug/L | 8260B/CA_LUFTMS |
| Xylenes, Total | | 42 | 1.0 | ug/L | 8260B/CA_LUFTMS |
| Gasoline Range Organics (GRO)-C5-C12 | | 3800 | 50 | ug/L | 8260B/CA_LUFTMS |
| 1,2-DCA | | 3.1 | 0.50 | ug/L | 8260B/CA_LUFTMS |
| Diesel Range Organics [C10-C28] | | 1300 | 53 | ug/L | 8015B |
| **720-23929-10** | **ASMW-2S** | | | | |
| Benzene | | 4700 | 100 | ug/L | 8260B/CA_LUFTMS |
| Ethylbenzene | | 330 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Toluene | | 540 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Xylenes, Total | | 530 | 5.0 | ug/L | 8260B/CA_LUFTMS |
| Gasoline Range Organics (GRO)-C5-C12 | | 18000 | 10000 | ug/L | 8260B/CA_LUFTMS |
| TBA | | 46 | 20 | ug/L | 8260B/CA_LUFTMS |
| 1,2-DCA | | 50 | 2.5 | ug/L | 8260B/CA_LUFTMS |
| Diesel Range Organics [C10-C28] | | 2400 | 51 | ug/L | 8015B |
| **720-23929-11** | **ASMW-2D** | | | | |
| Methyl tert-butyl ether | | 0.58 | 0.50 | ug/L | 8260B/CA_LUFTMS |

# METHOD SUMMARY

Client: The Source Group

Job Number: 720-23929-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Water** | | | |
| 8260B / CA LUFT MS | TAL SF | SW846 8260B/CA_LUFTMS | |
| Purge and Trap | TAL SF | | SW846 5030B |
| Diesel Range Organics (DRO) (GC) | TAL SF | SW846 8015B | |
| Liquid-Liquid Extraction (Separatory Funnel) | TAL SF | | SW846 3510C |

**Lab References:**

TAL SF = TestAmerica San Francisco

**Method References:**

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

## METHOD / ANALYST SUMMARY

Client: The Source Group

Job Number: 720-23929-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B/CA_LUFTMS | Chen, Amy | AC |
| SW846 8260B/CA_LUFTMS | Le, Lien | LL |
| SW846 8260B/CA_LUFTMS | Nguyen, Thuy M | TMN |
| SW846 8015B | Relja, Marlene | MR |

## SAMPLE SUMMARY

Client: The Source Group

Job Number: 720-23929-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 720-23929-1 | MW-1 | Water | 11/06/2009 0955 | 11/06/2009 1755 |
| 720-23929-2 | MW-2 | Water | 11/06/2009 1235 | 11/06/2009 1755 |
| 720-23929-3 | MW-3 | Water | 11/06/2009 1245 | 11/06/2009 1755 |
| 720-23929-4 | MW-4 | Water | 11/06/2009 0955 | 11/06/2009 1755 |
| 720-23929-5 | MW-5 | Water | 11/06/2009 1030 | 11/06/2009 1755 |
| 720-23929-6 | MW-6 | Water | 11/06/2009 1105 | 11/06/2009 1755 |
| 720-23929-7 | MW-7 | Water | 11/06/2009 1055 | 11/06/2009 1755 |
| 720-23929-8 | AI-1S | Water | 11/06/2009 1345 | 11/06/2009 1755 |
| 720-23929-9 | AI-1D | Water | 11/06/2009 1315 | 11/06/2009 1755 |
| 720-23929-10 | ASMW-2S | Water | 11/06/2009 1400 | 11/06/2009 1755 |
| 720-23929-11 | ASMW-2D | Water | 11/06/2009 1315 | 11/06/2009 1755 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-1**

Lab Sample ID: 720-23929-1 | Date Sampled: 11/06/2009 0955
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61332 | | Instrument ID: | HP9 |
| Preparation: | 5030B | | | Lab File ID: | 11120909.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1332 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1332 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 95 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 77 | | 67 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-2**

Lab Sample ID: 720-23929-2 | Date Sampled: 11/06/2009 1235
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61332 | Instrument ID: HP9 |
| Preparation: | 5030B | | Lab File ID: 11120913.D |
| Dilution: | 1.0 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/12/2009 1546 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/12/2009 1546 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | 0.63 | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 92 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 78 | | 67 - 130 |
| Toluene-d8 (Surr) | 99 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-3**

Lab Sample ID: 720-23929-3 | Date Sampled: 11/06/2009 1245
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61473 | Instrument ID: HP9 |
| Preparation: | 5030B | | Lab File ID: 11130929.D |
| Dilution: | 5.0 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/14/2009 0220 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/14/2009 0220 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 2.5 |
| Ethylbenzene | 310 | | 2.5 |
| Toluene | 400 | | 2.5 |
| Xylenes, Total | 220 | | 5.0 |
| TBA | ND | | 20 |
| DIPE | ND | | 2.5 |
| TAME | ND | | 2.5 |
| Ethyl t-butyl ether | ND | | 2.5 |
| 1,2-DCA | 4.1 | | 2.5 |
| EDB | ND | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 97 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 67 - 130 |
| Toluene-d8 (Surr) | 99 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-3**

Lab Sample ID: 720-23929-3
Client Matrix: Water

Date Sampled: 11/06/2009 1245
Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61560 | Instrument ID: HP12 |
| Preparation: | 5030B | | Lab File ID: 11170912.D |
| Dilution: | 100 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/17/2009 1528 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/17/2009 1528 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Benzene | 3400 | | 50 |
| Gasoline Range Organics (GRO)-C5-C12 | 13000 | | 5000 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 95 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 67 - 130 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-4**

Lab Sample ID: 720-23929-4 | Date Sampled: 11/06/2009 0955
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61332 | Instrument ID: | HP9 |
| Preparation: | 5030B | | Lab File ID: | 11120915.D |
| Dilution: | 1.0 | | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1652 | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1652 | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | 4.0 | | 0.50 |
| Ethylbenzene | 1.3 | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 91 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 74 | | 67 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-5**

Lab Sample ID: 720-23929-5 | Date Sampled: 11/06/2009 1030
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61332 | Instrument ID: | HP9 |
| Preparation: | 5030B | | Lab File ID: | 11120916.D |
| Dilution: | 1.0 | | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1725 | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1725 | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 91 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 73 | | 67 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-6**

Lab Sample ID: 720-23929-6 | Date Sampled: 11/06/2009 1105
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61473 | Instrument ID: | HP9 |
| Preparation: | 5030B | | Lab File ID: | 11130930.D |
| Dilution: | 5.0 | | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/14/2009 0253 | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/14/2009 0253 | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 2.5 |
| Ethylbenzene | 110 | | 2.5 |
| Toluene | 270 | | 2.5 |
| Xylenes, Total | 44 | | 5.0 |
| TBA | ND | | 20 |
| DIPE | ND | | 2.5 |
| TAME | ND | | 2.5 |
| Ethyl t-butyl ether | ND | | 2.5 |
| 1,2-DCA | 39 | | 2.5 |
| EDB | ND | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 92 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 79 | | 67 - 130 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-6**

Lab Sample ID: 720-23929-6
Client Matrix: Water

Date Sampled: 11/06/2009 1105
Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61560 | Instrument ID: HP12 |
| Preparation: | 5030B | | Lab File ID: 11170913.D |
| Dilution: | 50 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/17/2009 1602 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/17/2009 1602 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Benzene | 1300 | | 25 |
| Gasoline Range Organics (GRO)-C5-C12 | 4500 | | 2500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 93 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 67 - 130 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-7**

Lab Sample ID: 720-23929-7
Client Matrix: Water

Date Sampled: 11/06/2009 1055
Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61332 | Instrument ID: HP9 |
| Preparation: | 5030B | | Lab File ID: 11120918.D |
| Dilution: | 1.0 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/12/2009 1832 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/12/2009 1832 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | 1.3 | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 91 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 72 | | 67 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **AI-1S**

Lab Sample ID: 720-23929-8 | Date Sampled: 11/06/2009 1345
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61332 | Instrument ID: HP9 |
| Preparation: | 5030B | | Lab File ID: 11120919.D |
| Dilution: | 1.0 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/12/2009 1905 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/12/2009 1905 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Ethylbenzene | 76 | | 0.50 |
| Toluene | 7.3 | | 0.50 |
| Xylenes, Total | 42 | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | 3800 | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | 3.1 | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 76 | | 67 - 130 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **AI-1S**

Lab Sample ID: 720-23929-8
Client Matrix: Water

Date Sampled: 11/06/2009 1345
Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61554 | Instrument ID: HP12 |
| Preparation: | 5030B | | Lab File ID: 11160939.D |
| Dilution: | 10 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/17/2009 0559 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/17/2009 0559 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Benzene | 950 | | 5.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 95 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 67 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **AI-1D**

Lab Sample ID: 720-23929-9
Client Matrix: Water

Date Sampled: 11/06/2009 1315
Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/12/2009 1939
Date Prepared: 11/12/2009 1939

Analysis Batch: 720-61332

Instrument ID: HP9
Lab File ID: 11120920.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 92 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 74 | | 67 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **ASMW-2S**

Lab Sample ID: 720-23929-10 | Date Sampled: 11/06/2009 1400
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61473 | Instrument ID: HP9 |
| Preparation: | 5030B | | Lab File ID: 11130931.D |
| Dilution: | 5.0 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/14/2009 0326 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/14/2009 0326 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 2.5 |
| Ethylbenzene | 330 | | 2.5 |
| Toluene | 540 | | 2.5 |
| Xylenes, Total | 530 | | 5.0 |
| TBA | 46 | | 20 |
| DIPE | ND | | 2.5 |
| TAME | ND | | 2.5 |
| Ethyl t-butyl ether | ND | | 2.5 |
| 1,2-DCA | 50 | | 2.5 |
| EDB | ND | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 101 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 75 | | 67 - 130 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **ASMW-2S**

Lab Sample ID: 720-23929-10
Client Matrix: Water

Date Sampled: 11/06/2009 1400
Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61560 | Instrument ID: HP12 |
| Preparation: | 5030B | | Lab File ID: 11170914.D |
| Dilution: | 200 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/17/2009 1636 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/17/2009 1636 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Benzene | 4700 | | 100 |
| Gasoline Range Organics (GRO)-C5-C12 | 18000 | | 10000 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 94 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 91 | | 67 - 130 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **ASMW-2D**

Lab Sample ID: 720-23929-11 | Date Sampled: 11/06/2009 1315
Client Matrix: Water | Date Received: 11/06/2009 1755

**8260B/CA_LUFTMS 8260B / CA LUFT MS**

| | | | |
|---|---|---|---|
| Method: | 8260B/CA_LUFTMS | Analysis Batch: 720-61473 | Instrument ID: HP9 |
| Preparation: | 5030B | | Lab File ID: 11130932.D |
| Dilution: | 1.0 | | Initial Weight/Volume: 10 mL |
| Date Analyzed: | 11/14/2009 0359 | | Final Weight/Volume: 10 mL |
| Date Prepared: | 11/14/2009 0359 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methyl tert-butyl ether | 0.58 | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 91 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 77 | | 67 - 130 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-1**

Lab Sample ID: 720-23929-1
Client Matrix: Water

Date Sampled: 11/06/2009 0955
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 980 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1402 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 86 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-2**

Lab Sample ID: 720-23929-2
Client Matrix: Water

Date Sampled: 11/06/2009 1235
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | Instrument ID: CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | Initial Weight/Volume: 980 mL |
| Dilution: | 1.0 | | Final Weight/Volume: 5 mL |
| Date Analyzed: | 11/10/2009 1429 | | Injection Volume: 1 uL |
| Date Prepared: | 11/09/2009 1726 | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | 360 | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 96 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-3**

Lab Sample ID: 720-23929-3
Client Matrix: Water

Date Sampled: 11/06/2009 1245
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 960 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1455 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | 710 | | 52 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 87 | | 23 - 156 |

Client: The Source Group | Job Number: 720-23929-1

**Client Sample ID:** **MW-4**

Lab Sample ID: 720-23929-4 | Date Sampled: 11/06/2009 0955
Client Matrix: Water | Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 990 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1523 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 81 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-5**

Lab Sample ID: 720-23929-5
Client Matrix: Water

Date Sampled: 11/06/2009 1030
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 980 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1550 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | 1300 | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 78 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-6**

Lab Sample ID: 720-23929-6
Client Matrix: Water

Date Sampled: 11/06/2009 1105
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 980 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1617 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | 1200 | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 86 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **MW-7**

Lab Sample ID: 720-23929-7
Client Matrix: Water

Date Sampled: 11/06/2009 1055
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 960 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1644 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 52 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 91 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **AI-1S**

Lab Sample ID: 720-23929-8
Client Matrix: Water

Date Sampled: 11/06/2009 1345
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 930 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1832 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | 1300 | | 53 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 93 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **AI-1D**

Lab Sample ID: 720-23929-9
Client Matrix: Water

Date Sampled: 11/06/2009 1315
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | Instrument ID: CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | Initial Weight/Volume: 940 mL |
| Dilution: | 1.0 | | Final Weight/Volume: 5 mL |
| Date Analyzed: | 11/10/2009 1858 | | Injection Volume: 1 uL |
| Date Prepared: | 11/09/2009 1726 | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 53 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 91 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **ASMW-2S**

Lab Sample ID: 720-23929-10
Client Matrix: Water

Date Sampled: 11/06/2009 1400
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | Instrument ID: CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | Initial Weight/Volume: 980 mL |
| Dilution: | 1.0 | | Final Weight/Volume: 5 mL |
| Date Analyzed: | 11/10/2009 1926 | | Injection Volume: 1 uL |
| Date Prepared: | 11/09/2009 1726 | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | 2400 | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 98 | | 23 - 156 |

Client: The Source Group

Job Number: 720-23929-1

**Client Sample ID:** **ASMW-2D**

Lab Sample ID: 720-23929-11
Client Matrix: Water

Date Sampled: 11/06/2009 1315
Date Received: 11/06/2009 1755

**8015B Diesel Range Organics (DRO) (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 720-61168 | | Instrument ID: | CHDRO5 |
| Preparation: | 3510C | Prep Batch: 720-61154 | | Initial Weight/Volume: | 980 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 5 mL |
| Date Analyzed: | 11/10/2009 1953 | | | Injection Volume: | 1 uL |
| Date Prepared: | 11/09/2009 1726 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 88 | | 23 - 156 |

## DATA REPORTING QUALIFIERS

Client: The Source Group Job Number: 720-23929-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | * | LCS or LCSD exceeds the control limits |

Client: The Source Group

Job Number: 720-23929-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:720-61332** | | | | | |
| LCS 720-61332/4 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCS 720-61332/6 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61332/5 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61332/7 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| MB 720-61332/8 | Method Blank | T | Water | 8260B/CA_LUFT | |
| 720-23929-1 | MW-1 | T | Water | 8260B/CA_LUFT | |
| 720-23929-1MS | Matrix Spike | T | Water | 8260B/CA_LUFT | |
| 720-23929-1MSD | Matrix Spike Duplicate | T | Water | 8260B/CA_LUFT | |
| 720-23929-2 | MW-2 | T | Water | 8260B/CA_LUFT | |
| 720-23929-4 | MW-4 | T | Water | 8260B/CA_LUFT | |
| 720-23929-5 | MW-5 | T | Water | 8260B/CA_LUFT | |
| 720-23929-7 | MW-7 | T | Water | 8260B/CA_LUFT | |
| 720-23929-8 | AI-1S | T | Water | 8260B/CA_LUFT | |
| 720-23929-9 | AI-1D | T | Water | 8260B/CA_LUFT | |
| **Analysis Batch:720-61473** | | | | | |
| LCS 720-61473/4 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCS 720-61473/6 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61473/5 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61473/7 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| MB 720-61473/8 | Method Blank | T | Water | 8260B/CA_LUFT | |
| 720-23929-3 | MW-3 | T | Water | 8260B/CA_LUFT | |
| 720-23929-6 | MW-6 | T | Water | 8260B/CA_LUFT | |
| 720-23929-10 | ASMW-2S | T | Water | 8260B/CA_LUFT | |
| 720-23929-11 | ASMW-2D | T | Water | 8260B/CA_LUFT | |
| **Analysis Batch:720-61554** | | | | | |
| LCS 720-61554/3 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61554/4 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| MB 720-61554/5 | Method Blank | T | Water | 8260B/CA_LUFT | |
| 720-23929-8 | AI-1S | T | Water | 8260B/CA_LUFT | |
| **Analysis Batch:720-61560** | | | | | |
| LCS 720-61560/3 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCS 720-61560/7 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61560/4 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| LCSD 720-61560/8 | Lab Control Sample Duplicate | T | Water | 8260B/CA_LUFT | |
| MB 720-61560/5 | Method Blank | T | Water | 8260B/CA_LUFT | |
| 720-23929-3 | MW-3 | T | Water | 8260B/CA_LUFT | |
| 720-23929-6 | MW-6 | T | Water | 8260B/CA_LUFT | |
| 720-23929-10 | ASMW-2S | T | Water | 8260B/CA_LUFT | |

**Report Basis**

T = Total

Client: The Source Group

Job Number: 720-23929-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC Semi VOA** | | | | | |
| **Prep Batch: 720-61154** | | | | | |
| LCS 720-61154/2-A | Lab Control Sample | T | Water | 3510C | |
| LCSD 720-61154/3-A | Lab Control Sample Duplicate | T | Water | 3510C | |
| MB 720-61154/1-A | Method Blank | T | Water | 3510C | |
| 720-23929-1 | MW-1 | T | Water | 3510C | |
| 720-23929-2 | MW-2 | T | Water | 3510C | |
| 720-23929-3 | MW-3 | T | Water | 3510C | |
| 720-23929-4 | MW-4 | T | Water | 3510C | |
| 720-23929-5 | MW-5 | T | Water | 3510C | |
| 720-23929-6 | MW-6 | T | Water | 3510C | |
| 720-23929-7 | MW-7 | T | Water | 3510C | |
| 720-23929-8 | AI-1S | T | Water | 3510C | |
| 720-23929-9 | AI-1D | T | Water | 3510C | |
| 720-23929-10 | ASMW-2S | T | Water | 3510C | |
| 720-23929-11 | ASMW-2D | T | Water | 3510C | |
| **Analysis Batch:720-61168** | | | | | |
| LCS 720-61154/2-A | Lab Control Sample | T | Water | 8015B | 720-61154 |
| LCSD 720-61154/3-A | Lab Control Sample Duplicate | T | Water | 8015B | 720-61154 |
| MB 720-61154/1-A | Method Blank | T | Water | 8015B | 720-61154 |
| 720-23929-1 | MW-1 | T | Water | 8015B | 720-61154 |
| 720-23929-2 | MW-2 | T | Water | 8015B | 720-61154 |
| 720-23929-3 | MW-3 | T | Water | 8015B | 720-61154 |
| 720-23929-4 | MW-4 | T | Water | 8015B | 720-61154 |
| 720-23929-5 | MW-5 | T | Water | 8015B | 720-61154 |
| 720-23929-6 | MW-6 | T | Water | 8015B | 720-61154 |
| 720-23929-7 | MW-7 | T | Water | 8015B | 720-61154 |
| 720-23929-8 | AI-1S | T | Water | 8015B | 720-61154 |
| 720-23929-9 | AI-1D | T | Water | 8015B | 720-61154 |
| 720-23929-10 | ASMW-2S | T | Water | 8015B | 720-61154 |
| 720-23929-11 | ASMW-2D | T | Water | 8015B | 720-61154 |

**Report Basis**

T = Total

Client: The Source Group

Job Number: 720-23929-1

**Method Blank - Batch: 720-61332**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

Lab Sample ID: MB 720-61332/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/12/2009 1259
Date Prepared: 11/12/2009 1259

Analysis Batch: 720-61332
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemtation 3
Lab File ID: 11120908.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | 5.94 | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 4-Bromofluorobenzene | 91 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 74 | 67 - 130 |
| Toluene-d8 (Surr) | 97 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61332**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61332/4 | Analysis Batch: | 720-61332 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11120904.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1045 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1045 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61332/5 | Analysis Batch: | 720-61332 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11120905.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1119 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1119 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Methyl tert-butyl ether | 101 | 99 | 66 - 138 | 3 | 20 | | |
| Benzene | 106 | 109 | 80 - 130 | 3 | 20 | | |
| Ethylbenzene | 107 | 109 | 80 - 139 | 2 | 20 | | |
| Toluene | 113 | 112 | 80 - 126 | 1 | 20 | | |
| TBA | 85 | 87 | 70 - 130 | 2 | 20 | | |
| DIPE | 89 | 93 | 80 - 139 | 4 | 20 | | |
| TAME | 109 | 109 | 80 - 131 | 0 | 20 | | |
| Ethyl t-butyl ether | 88 | 91 | 70 - 141 | 2 | 20 | | |
| 1,2-DCA | 73 | 75 | 70 - 133 | 3 | 20 | | |
| EDB | 100 | 99 | 70 - 143 | 1 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 93 | 95 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 72 | 72 | 67 - 130 |
| Toluene-d8 (Surr) | 99 | 99 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61332**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61332/6 | Analysis Batch: | 720-61332 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11120906.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1152 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1152 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61332/7 | Analysis Batch: | 720-61332 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11120907.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1225 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1225 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Gasoline Range Organics (GRO)-C5-C12 | 78 | 77 | 30 - 130 | 1 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 95 | 93 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 76 | 75 | 67 - 130 |
| Toluene-d8 (Surr) | 98 | 99 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 720-61332**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 720-23929-1 | Analysis Batch: | 720-61332 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11120910.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1406 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1406 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 720-23929-1 | Analysis Batch: | 720-61332 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11120911.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/12/2009 1439 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/12/2009 1439 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methyl tert-butyl ether | 101 | 103 | 60 - 138 | 2 | 20 | | |
| Benzene | 109 | 108 | 60 - 140 | 0 | 20 | | |
| Ethylbenzene | 108 | 106 | 60 - 140 | 2 | 20 | | |
| Toluene | 107 | 106 | 60 - 140 | 1 | 20 | | |
| TBA | 87 | 87 | 60 - 140 | 0 | 20 | | |
| DIPE | 95 | 97 | 60 - 140 | 2 | 20 | | |
| TAME | 103 | 112 | 60 - 140 | 9 | 20 | | |
| Ethyl t-butyl ether | 94 | 95 | 60 - 140 | 1 | 20 | | |
| 1,2-DCA | 81 | 82 | 60 - 140 | 1 | 20 | | |
| EDB | 104 | 105 | 60 - 140 | 0 | 20 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 96 | 96 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 76 | 78 | 67 - 130 |
| Toluene-d8 (Surr) | 98 | 99 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Method Blank - Batch: 720-61473**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

Lab Sample ID: MB 720-61473/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/14/2009 0147
Date Prepared: 11/14/2009 0147

Analysis Batch: 720-61473
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemtation 3
Lab File ID: 11130928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 4-Bromofluorobenzene | 96 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 93 | 67 - 130 |
| Toluene-d8 (Surr) | 98 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61473**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61473/4 | Analysis Batch: | 720-61473 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11130924.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/13/2009 2333 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/13/2009 2333 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61473/5 | Analysis Batch: | 720-61473 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11130925.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/14/2009 0007 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/14/2009 0007 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Methyl tert-butyl ether | 106 | 119 | 66 - 138 | 12 | 20 | | |
| Benzene | 107 | 115 | 80 - 130 | 7 | 20 | | |
| Ethylbenzene | 112 | 120 | 80 - 139 | 7 | 20 | | |
| Toluene | 106 | 114 | 80 - 126 | 8 | 20 | | |
| TBA | 93 | 104 | 70 - 130 | 11 | 20 | | |
| DIPE | 103 | 114 | 80 - 139 | 10 | 20 | | |
| TAME | 106 | 129 | 80 - 131 | 20 | 20 | | |
| Ethyl t-butyl ether | 102 | 114 | 70 - 141 | 12 | 20 | | |
| 1,2-DCA | 101 | 111 | 70 - 133 | 9 | 20 | | |
| EDB | 107 | 118 | 70 - 143 | 10 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 101 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | 95 | 67 - 130 |
| Toluene-d8 (Surr) | 100 | 100 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61473**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61473/6 | Analysis Batch: | 720-61473 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11130926.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/14/2009 0040 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/14/2009 0040 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61473/7 | Analysis Batch: | 720-61473 | Instrument ID: | Chemtation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11130927.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/14/2009 0113 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/14/2009 0113 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Gasoline Range Organics (GRO)-C5-C12 | 86 | 82 | 30 - 130 | 4 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 97 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | 90 | 67 - 130 |
| Toluene-d8 (Surr) | 100 | 100 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Method Blank - Batch: 720-61554**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

Lab Sample ID: MB 720-61554/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2009 0021
Date Prepared: 11/17/2009 0021

Analysis Batch: 720-61554
Prep Batch: N/A
Units: ug/L

Instrument ID: Chenstation 3
Lab File ID: 11160929.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 4-Bromofluorobenzene | 94 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 89 | 67 - 130 |
| Toluene-d8 (Surr) | 99 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61554**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61554/3 | Analysis Batch: | 720-61554 | Instrument ID: | Chenstation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11160925.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/16/2009 2207 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/16/2009 2207 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61554/4 | Analysis Batch: | 720-61554 | Instrument ID: | Chenstation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11160926.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/16/2009 2241 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/16/2009 2241 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Methyl tert-butyl ether | 90 | 88 | 66 - 138 | 2 | 20 | | |
| Benzene | 98 | 98 | 80 - 130 | 0 | 20 | | |
| Ethylbenzene | 109 | 108 | 80 - 139 | 1 | 20 | | |
| Toluene | 109 | 108 | 80 - 126 | 1 | 20 | | |
| TBA | 88 | 84 | 70 - 130 | 4 | 20 | | |
| DIPE | 75 | 74 | 80 - 139 | 1 | 20 | * | * |
| TAME | 84 | 82 | 80 - 131 | 2 | 20 | | |
| Ethyl t-butyl ether | 73 | 73 | 70 - 141 | 1 | 20 | | |
| 1,2-DCA | 89 | 88 | 70 - 133 | 2 | 20 | | |
| EDB | 99 | 97 | 70 - 143 | 3 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 99 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 87 | 86 | 67 - 130 |
| Toluene-d8 (Surr) | 100 | 100 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Method Blank - Batch: 720-61560**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

Lab Sample ID: MB 720-61560/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2009 1125
Date Prepared: 11/17/2009 1125

Analysis Batch: 720-61560
Prep Batch: N/A
Units: ug/L

Instrument ID: Chenstation 3
Lab File ID: 11170906.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methyl tert-butyl ether | ND | | 0.50 |
| Benzene | ND | | 0.50 |
| Ethylbenzene | ND | | 0.50 |
| Toluene | ND | | 0.50 |
| Xylenes, Total | ND | | 1.0 |
| Gasoline Range Organics (GRO)-C5-C12 | ND | | 50 |
| TBA | ND | | 4.0 |
| DIPE | ND | | 0.50 |
| TAME | ND | | 0.50 |
| Ethyl t-butyl ether | ND | | 0.50 |
| 1,2-DCA | ND | | 0.50 |
| EDB | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 4-Bromofluorobenzene | 91 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 90 | 67 - 130 |
| Toluene-d8 (Surr) | 97 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61560**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61560/3 | Analysis Batch: | 720-61560 | Instrument ID: | Chenstation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11170904.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/17/2009 1017 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/17/2009 1017 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61560/4 | Analysis Batch: | 720-61560 | Instrument ID: | Chenstation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11170905.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/17/2009 1051 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/17/2009 1051 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Methyl tert-butyl ether | 90 | 89 | 66 - 138 | 1 | 20 | | |
| Benzene | 97 | 100 | 80 - 130 | 3 | 20 | | |
| Ethylbenzene | 106 | 109 | 80 - 139 | 3 | 20 | | |
| Toluene | 103 | 108 | 80 - 126 | 4 | 20 | | |
| TBA | 93 | 89 | 70 - 130 | 4 | 20 | | |
| DIPE | 78 | 79 | 80 - 139 | 1 | 20 | * | * |
| TAME | 87 | 85 | 80 - 131 | 2 | 20 | | |
| Ethyl t-butyl ether | 78 | 77 | 70 - 141 | 1 | 20 | | |
| 1,2-DCA | 90 | 91 | 70 - 133 | 0 | 20 | | |
| EDB | 101 | 98 | 70 - 143 | 2 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 99 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 92 | 87 | 67 - 130 |
| Toluene-d8 (Surr) | 99 | 99 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: The Source Group

Job Number: 720-23929-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61560**

**Method: 8260B/CA_LUFTMS**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 720-61560/7 | Analysis Batch: | 720-61560 | Instrument ID: | Chenstation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11170907.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/17/2009 1158 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/17/2009 1158 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 720-61560/8 | Analysis Batch: | 720-61560 | Instrument ID: | Chenstation 3 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 11170908.D |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 10 mL |
| Date Analyzed: | 11/17/2009 1230 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | 11/17/2009 1230 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Gasoline Range Organics (GRO)-C5-C12 | 86 | 83 | 30 - 130 | 3 | 20 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 98 | 97 | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 92 | 91 | 67 - 130 |
| Toluene-d8 (Surr) | 99 | 97 | 70 - 130 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 720-61154**

**Method: 8015B**
**Preparation: 3510C**

Lab Sample ID: MB 720-61154/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2009 1129
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: 5a1110010.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| p-Terphenyl | 108 | 23 - 156 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 720-61154**

**Method: 8015B**
**Preparation: 3510C**

LCS Lab Sample ID: LCS 720-61154/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2009 1035
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: 5a1110008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-61154/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2009 1102
Date Prepared: 11/09/2009 1726

Analysis Batch: 720-61168
Prep Batch: 720-61154
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: 5a1110009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| | | % Rec. | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Diesel Range Organics [C10-C28] | 79 | 83 | 40 - 150 | 4 | 35 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| p-Terphenyl | 103 | 101 | 23 - 156 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-23929

**BLAINE**
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB 120355 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

CHAIN OF CUSTODY BTS # 091106-SO1
CLIENT The Source Group
SITE 9201 San Leandro St.
Oakland, CA

SPECIAL INSTRUCTIONS
Invoice and Report to : The Source Group
Attn: Kristene Tidwell

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX S= SOIL W=$H_2O$ | CONTAINERS TOTAL | | C | TPH-GAS (8260) | BTEX (8260) | TPH-D (8015) | OXYGENATES | 1,2 DCA & EDB | | | | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11-6-09 | 0955 | W | 6 | mixed | | X | X | X | X | X | | | | | | | 1 |
| MW-2 | | 1235 | | | | | X | X | X | X | X | | | | | | | 2 |
| MW-3 | | 1245 | | | | | X | X | X | X | X | | | | | | | 3 |
| MW-4 | | 0955 | | | | | X | X | X | X | X | | | | | | | 4 |
| MW-5 | | 1030 | | | | | X | X | X | X | X | | | | | | | 5 |
| MW-6 | | 1105 | | | | | X | X | X | X | X | | | | | | | 6 |
| MW-7 | | 1055 | | | | | X | X | X | X | X | | | | | | | 7 |
| AS-1S | | 1345 | | | | | X | X | X | X | X | | | | | | | 8 |
| AS-1D | | 1315 | | | | | X | X | X | X | X | | | | | | | 9 |
| AS MW-2S | | 1400 | | | | | X | X | X | X | X | | | | | | | 10 |

| SAMPLING COMPLETED | DATE | TIME |
|---|---|---|
| | 11-6-09 | 1400 |

SAMPLING PERFORMED BY J. Ortiz, J. Parker

RESULTS NEEDED NO LATER THAN Standard TAT

| RELEASED BY | DATE | TIME | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|
| | 11-6-09 | 1533 | | 11/6/09 | 1533 |
| | 11/6/09 | 1755 | TASF | 11/6/09 | 1755 |
| | | | | | |

| SHIPPED VIA | DATE SENT | TIME SENT | COOLER # | |
|---|---|---|---|---|
| | | | | |

1.1 / 1.3 °C

720-23929

# BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB 120355 | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

CHAIN OF CUSTODY BTS # 091106-101
CLIENT The Source Group
SITE 9201 San Leandro St.
Oakland, CA

SPECIAL INSTRUCTIONS
Invoice and Report to : The Source Group
Attn: Kristene Tidwell

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX S= SOIL W=$H_2O$ | CONTAINERS TOTAL | | C | TPH-GAS (8260) | BTEX (8260) | TPH-D (8015) | OXYGENATES | 1,2 DCA & EDB | | | | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASMW-20 | 11-6-09 | 1315 | W | 6 | mixed | | X | X | X | X | X | | | | | | | 11 |

SAMPLING COMPLETED DATE 11-6-09 TIME 1400
SAMPLING PERFORMED BY J. Ortiz / J. Parker
RESULTS NEEDED NO LATER THAN Standard TAT

| RELEASED BY | DATE | TIME | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|
| | 11-6-09 | 1533 | | 11/6/09 | 1533 |
| | 11/6/09 | 1755 | Willie H. / TASF | 11/6/09 | 1755 |
| | | | | | |

| SHIPPED VIA | DATE SENT | TIME SENT | COOLER # | |
|---|---|---|---|---|
| | | | | |



1.1 / 1.3 °C

# Login Sample Receipt Check List

Client: The Source Group

Job Number: 720-23929-1

**Login Number: 23929**

**List Source: TestAmerica San Francisco**

**Creator: Hoang, Julie**

**List Number: 1**

| Question | T / F/ NA | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Is the Field Sampler's name present on COC? | True | |
| Sample Preservation Verified | True | |

# APPENDIX C

# WASTE DOCUMENTATION

# Si[illegible]or Purge Water Drum Lo[illegible]

Client: SGI

Site Address: 9201 SAN LEANDRO AVE OAKLAND, CA

| STATUS OF DRUM(S) UPON ARRIVAL | | | | | | |
|---|---|---|---|---|---|---|
| Date | 11-6-09 | | | | | |
| Number of drum(s) empty: | 2 | | | | | |
| Number of drum(s) 1/4 full: | | | | | | |
| Number of drum(s) 1/2 full: | | | | | | |
| Number of drum(s) 3/4 full: | | | | | | |
| Number of drum(s) full: | | | | | | |
| Total drum(s) on site: | 2 | | | | | |
| Are the drum(s) properly labeled? | NO | | | | | |
| Drum ID & Contents: | | | | | | |
| If any drum(s) are partially or totally filled, what is the first use date: | | | | | | |

**- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.**

**-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.**

**-All BTS drums MUST be labeled appropriately.**

| STATUS OF DRUM(S) UPON DEPARTURE | | | | | | |
|---|---|---|---|---|---|---|
| Date | 11-6-09 | | | | | |
| Number of drums empty: | 2 | | | | | |
| Number of drum(s) 1/4 full: | 1 | | | | | |
| Number of drum(s) 1/2 full: | | | | | | |
| Number of drum(s) 3/4 full: | | | | | | |
| Number of drum(s) full: | 2 | | | | | |
| Total drum(s) on site: | 5 | | | | | |
| Are the drum(s) properly labeled? | yes | | | | | |
| Drum ID & Contents: | Purge H2O | | | | | |

| LOCATION OF DRUM(S) |
|---|
| Describe location of drum(s): Next to Building in alleyway. |

| FINAL STATUS | | | | | | |
|---|---|---|---|---|---|---|
| Number of new drum(s) left on site this event | 3 | | | | | |
| Date of inspection: | 11-6-09 | | | | | |
| Drum(s) labelled properly: | yes | | | | | |
| Logged by BTS Field Tech: | JD | | | | | |
| Office reviewed by: | [illegible] | | | | | |