SGI environmental THE SOURCE GROUP, INC.

September 16, 2015

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By Alameda County Environmental Health 9:19 am, Sep 17, 2015

Mr. Jerry Wickham, P.G.
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: THIRD QUARTER 2015 GROUNDWATER MONITORING AND SAMPLING REPORT Western Parcel – APN 1-223-6
751 7th Street, Oakland, California

Dear Mr. Wickham:

Enclosed please find the Third Quarter 2015 Groundwater Monitoring Report for the Former Francis Plating Frog Pond Site.

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

If you have any questions or comments regarding the Report, please feel free to call me on my direct line at (530) 272-4200.

Sincerely,
The Source Group, Inc.

Greg McIver
Project Manager

Cc: Tom McCoy, The Brush Street Group, LLC

Enclosure

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THIRD QUARTER 2015 GROUNDWATER MONITORING AND SAMPLING REPORT

Former Francis Plating Site
789 7th Street, Oakland, California

01-SSG-004

Prepared For:

Seventh Street Group, LLC
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Prepared By:

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September 16, 2015

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Reviewed By:

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Principal Scientist

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CERTIFICATION

All hydrogeologic and geologic information in this document regarding the 789 7th Street Site have been prepared under the supervision of and reviewed by the certified professional whose signature appears below.

Jing Heisler, P.G.
Professional Geologist
The Source Group, Inc.

1.0 INTRODUCTION

On behalf of The Brush Street Group, LLC (Brush Street Group), The Source Group, Inc. (SGI) has prepared this *Third Quarter 2015 Groundwater Monitoring and Sampling Report* (Report) for the parcel at 789 7th Street, Oakland, California (Parcel 1), one of the parcels that made up the Former Francis Plating Site (the Site, Figures 1 and 2). The Site is currently under the regulatory oversight of the Alameda County Environmental Health Services (ACEH) (Alameda County SLIC Case No. RO0002586).

The data presented in this Report was collected in accordance with SGI's June 2, 2014 Groundwater Delineation Work Plan (SGI, 2014), and in response to the ACEH technical report request dated June 18, 2015 (Appendix A).

1.1 Site Location and Description

The Site is located at 789 7th Street, in a light industrial area of Oakland. The Site is bounded by 7th Street to the north, Parcel 2 and Brush Street to the east, a Shell service station to the west, and a commercial building and lot to the south (Figure 2).

The Site is vacant and paved, and is used for parking. An approximately 2,227-square-foot building occupies the northeast corner of the adjacent Parcel 2. The property is covered by concrete or asphalt, with the exception of an exposed strip of soil along the western property line.

1.2 Purpose and Objectives

The objectives of the groundwater sampling and monitoring activities was to locate missing well MW-FP6 and to collect current Site data in order to capture seasonal variations in groundwater and chemical characteristics that will be used to evaluate remedial alternatives for the Site.

2.0 SITE BACKGROUND

This section provides background information, subsurface conditions, and previous remediation activities at the Site.

2.1 Site Operational History

A review of Sanborn Fire Insurance maps by BASELINE Environmental Consulting (BASELINE) identified the Site use in the late 1940s and early 1950s as an auto and truck sales and service shop (BASELINE, 2005). The Site was operated as a plating facility from approximately 1957 to 1998. A building occupied the western portion (Parcel 1) of the Site from the late 1940s until it was destroyed by fire in 1992. The building currently on the adjacent parcel (Parcel 2) was constructed in 1970. Plating operations were conducted in both the former and current buildings on the two parcels.

In 1998, the property was found abandoned with chemicals and equipment remaining on Site. As part of an emergency response action, the U.S. Environmental Protection Agency (USEPA) removed the abandoned chemicals and equipment, and excavated shallow soil in areas without asphalt or concrete surfaces. In 2003, the current owner, The Brush Street Group, acquired the property.

2.2 Hydrogeologic Setting

Past investigations indicate that the lithology is consistent across the Site. Soil from the surface to 3 to 5 feet below ground surface (bgs) consists of silty sand/sand fill with some brick and concrete debris. Very fine- to fine-grained sands (Merritt Sands) of the San Antonio Formation underlie the fill and extend to approximately 60 feet bgs (BASELINE, 2010). The Merritt Sands are underlain by plastic clay (Old Bay Mud).

Regional groundwater flow direction in the San Antonio Formation is southwesterly toward the Oakland Inner Harbor, located approximately 2,300 feet south of the Site. Based on groundwater monitoring conducted by BASELINE in 2003, 2005, and 2010, the depth to the shallow unconfined groundwater at the Site has ranged from approximately 12 to 16 feet bgs. Groundwater monitoring performed by BASELINE in 2010, and groundwater monitoring reports from the adjacent Shell Service Station, indicate that the local shallow unconfined groundwater flows in a south/southwesterly direction (BASELINE, 2010; CRA, 2009). The Old Bay Mud is the confining layer for the deeper water-bearing formation.

2.3 Summary of Remedial Actions and Current Environmental Conditions

The USEPA response action, conducted from 1998 through 2000, involved characterization of stored liquids, sludge, and sediments contained in tanks, pits, and ponds, all located above the concrete pavement. All of these materials were subsequently removed from the Site, and soil samples were collected and analyzed for selected metals and total cyanide (BASELINE, 2005).

Surface soils were removed as part of the emergency response action to ensure that remaining surface soils did not contain cadmium, chromium, nickel, and lead concentrations above USEPA Industrial Preliminary Remedial Goals. During the removal actions, shallow soil was excavated and removed from areas that were not capped with asphalt or concrete. These are the same areas (along the western boundary) not currently capped by asphalt or concrete.

Numerous investigations between 2000 and 2010 have identified metals, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and petroleum hydrocarbons in soil, groundwater, and/or soil vapor samples. Compounds detected in Site soil, groundwater, soil vapor and indoor air include:

- Lead, nickel, zinc, cadmium, total chromium, hexavalent chromium (Cr-VI), copper, antimony, PAHs, and cyanide have been detected in one or more soil samples at concentrations exceeding environmental screening levels (ESLs) established by the California Regional Water Quality Control Board – San Francisco Bay Region (CRWQCB) for land uses where groundwater is a drinking water resource;
- Dissolved total chromium, Cr-VI, cobalt, copper, lead, mercury, nickel, silver, thallium, vanadium, total petroleum hydrocarbons as diesel (TPHd), cis-1,2-dichloroethene (cis-1,2-DCE) and trichloroethene (TCE) have been detected in one or more groundwater samples at concentrations exceeding residential or commercial ESLs; and
- TCE has been detected in one or more shallow soil gas samples at concentrations exceeding ESLs.

Results of a 2006 investigation suggested that a subsurface containment vault on the southwestern portion of the Site referred to as the "Frog Pond," was a significant source of the subsurface contamination at the Site. As a result, the Frog Pond was removed in two phases, beginning in May 2007, and completed in December 2007. The Frog Pond removal activities are described in a BASELINE report dated February 2008 (BASELINE, 2008).

In April, 2010, BASELINE completed a soil and groundwater investigation which concluded groundwater impacts were confined to the Merritt Sand and chemical of primary concern for groundwater was Cr-VI detected in shallow and deep wells extending 120 feet down gradient of the Site. In addition, select dissolved metals detected in groundwater exceeded ESLs no VOCs were reported in groundwater exceeding ESLs. Complete results are presented in BASELINE's *Phase IV Soil and Groundwater Investigation,* dated May 2010, (BASELINE, 2010).

The most recent groundwater monitoring and sampling event was completed by SGI during the first quarter 2015. TCE and Cr-VI was detected at maximum concentrations of 6.6 µg/L and 37,000 µg/L from MW-FP6 and MW-FP4A, respectively. It was noted MW-FP6 was not found; however, MW-FP6 was recorded incorrectly as MW-9. Complete results are presented in SGIs *Groundwater Delineation Report,* dated February 23, 2015 (SGI, 2015).

3.0 MONITORING AND SAMPLING ACTIVITIES

Groundwater monitoring and sampling activities were conducted on August 25 and September 1, 2015. On August 25, 2015, Blaine Tech Services, Inc., of San Jose, California was contracted to conduct the groundwater monitoring and sampling event under the supervision of SGI personnel. MW-FP6 was not found during the sampling event; however it was later determined MW-FP6 was incorrectly identified as MW-9 (i.e. data reported has been updated accordingly). Subsequently, on September 1, 2015, SGI personnel located and sampled MW-9. Field forms from the monitoring activities are provided in Appendix B. This Section details the procedures used during the Third Quarter 2015 (3Q15) event.

3.1 Groundwater Monitoring

Groundwater levels were measured in six shallow on-Site wells (MW-FP1, MW-FP2, MW-FP3, MW-FP4A, MW-FP5, and MW-FP6), two deeper screened on-Site wells (MW-FP4B and MW-FP7B) on August 25, 2015, and one shallow well (MW-9) on September 1, 2015. Well locations are presented on Figure 2.

Groundwater levels were gauged from the top of the well casings using an electronic water level indicator graduated to 0.01-foot. The measured depth to water and surveyed top of casing elevations for each well are presented in Table 1. A 3Q15 potentiometric surface map is presented as Figure 3. Groundwater monitoring results for 3Q15 are discussed below in Section 4.0.

3.2 Groundwater Sampling

Groundwater samples were collected low-flow techniques via peristaltic pump and dedicated tubing. During well purging, water quality parameters (dissolved oxygen [DO], oxidation reduction potential [ORP], temperature, electrical conductivity, and pH) were measured and recorded to ensure the groundwater samples were representative of aquifer conditions. Samples were transferred directly into laboratory-supplied containers and placed on ice for transport to Curtis & Tompkins Laboratory of Berkeley, California under chain-of-custody control. All groundwater samples collected during the 3Q15 event were analyzed for VOCs by EPA Method 8260B, dissolved metals (CAM 17 Metals) by EPA 6010B/7470A (field filtered with 0.45 micron filter), and hexavalent chromium by EPA Method 7196A.

3.3 Investigation Derived Waste

Decontamination and purge water generated from groundwater sampling activities was containerized in a 55-gallon steel drum, labeled, and temporarily staged on-Site pending analytic profiling and disposal at an approved facility.

4.0 MONITORING AND SAMPLING RESULTS

3Q15 groundwater monitoring and sampling was conducted on August 25 and September 1, 2015. Results are presented in the following sections. Laboratory analytical reports are presented as Attachment C and the analytic results are summarized in Tables 2 and 3.

4.1 Groundwater Elevations

A potentiometric surface map for 3Q15 was generated from the groundwater elevation data and is presented as Figure 3. Groundwater elevation measurements are presented in Table 1.

Depth to water measurements ranged from 13.12 to 17.27 feet below ground surface (bgs) in wells screened in shallow zone; and from 12.53 to 17.08 feet bgs in wells screened in deeper zone. Corresponding groundwater elevations ranged from 7.91 to 8.83 feet above mean sea level (amsl) in wells screened in shallow zone; and from 7.98 to 8.36 feet amsl in wells screened in deeper zone. A review of elevation data and the potentiometric surface map (Figure 3) indicates a southwest gradient in shallow groundwater at rate of approximately 0.004 ft/ft, similar to previous findings.

4.2 Groundwater Analytical Results

A summary of VOC results is provided in the table below:

Analyte	Detection Frequency	Minimum Detected Concentration / Sample Location	Maximum Detected Concentration / Sample Location
PCE	0 / 9	--	--
TCE	4 / 9	3.2 MW-FP5	91 MW-FP4A
cis-1,2-DCE	2 / 9	8.2 MW-9	91 MW-FP4A
1,1-DCE	1 / 9	1.1 MW-FP4A	1.1 MW-FP4A
Vinyl Chloride	0 / 9	--	--
Chloroform	2 / 9	7 MW-FP4B	17 MW-FP7B
Naphthalene	1/9	1.1 MW-FP5	1.1 MW-FP5

Note: Results presented in ug/L.

TCE and cis-1,2-DCE have been detected in one or more groundwater samples at concentrations exceeding ESLs for protection of drinking a water resource. VOC results are summarized in Table 2 and displayed on Figure 4.

A summary of dissolved metals and Cr-VI in provided in the table below:

Analyte	Detection Frequency	Minimum Detected Concentration / Sample Location	Maximum Detected Concentration / Sample Location
Barium	9 / 9	20 MW-FP7B	120 MW-9
Total Chromium	9 / 9	21 MW-FP1	24,000 MW-FP5
Cr-VI	7/ 9	10 MW-FP-2	19,000 MW-FP5 and FP6
Cobalt	1 / 9	11 MW-FP4A	11 MW-FP4A
Copper	1 / 9	12 MW-FP4A	12 MW-FP4A
Molybdenum	2 / 9	6.2 MW-FP5	22 MW-FP4A
Nickel	5 / 9	20 MW-FP3	120 MW-FP4A
Vanadium	2 / 9	7.3 MW-FP4B	12 MW-FP7B
Zinc	1 / 9	85 MW-FP4A	85 MW-FP4A

Note: Results presented in µg/L.

Dissolved total chromium, Cr-VI, cobalt, copper, nickel, and zinc have been detected in one or more groundwater samples at concentrations exceeding ESLs. Results summarized above are detailed in Table 3 and Cr-VI results are displayed on Figure 5.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical results of the groundwater samples collected during this investigation indicate the following:

- During the 3Q15 shallow groundwater beneath the Site flowed toward the southwest at a gradient of approximately 0.004 ft/ft;
- TCE was detected in 3 of 7 groundwater samples from shallow screened wells at concentrations less than the ESL (5 µg/L) for protection of drinking water resource. VOCs were not detected in deeper screened wells. While minor concentrations of TCE daughter products are present in MW-FP4A, the general lack of degradation products over time in other wells suggests a non-reductive, aerobic environment;
- The maximum Cr-VI concentration was detected above the ESL in shallow screened wells MW-FP5 and MW-FP6 at 19,000 µg/L, a significant decrease from maximum concentrations of 460,000 µg/L detected in 2010; and
- It appears some seasonal fluctuation is apparent; however, contaminants are elevated on-Site and downgradient of the Site.

Based on the information presented herein, the following activities are recommended:

- Preparation and submittal of a Work Plan for complete delineation of the plume originating from the Frog Pond area. The work plan will propose the collection any additional data that will be used to evaluate potential remedial alternatives and will be submitted by October 16, 2015.

6.0 LIMITATIONS

This Report was prepared for the exclusive use of The Brush Street Group for the express purpose of complying with regulatory directives for environmental investigation, in accordance with the scope of work, methodologies, and assumptions outlined in SGI's contract with The Brush Street Group and as applicable to the location of the proposed investigation. Any re-use of this work product, in whole or in part, for a different purpose, or by others must be approved by SGI and The Brush Street Group in writing. If any such unauthorized use occurs, it shall be at the user's sole risk without liability to SGI. To the extent that this Report is based on information provided to SGI by third parties, including The Brush Street Group, their direct-contractors, previous workers, and other stakeholders, SGI cannot guarantee the completeness or accuracy of this information, even where efforts were made to verify third-party information. SGI has exercised professional judgment to collect and present a scope of work and opinions of a scientific and technical nature. The opinions expressed are based on the conditions of the Site existing at the time of this Report preparation, current regulatory requirements, and any specified assumptions. Findings or conclusions presented in this Report are intended to be taken in their entirety to assist The Brush Street Group and regulatory personnel in applying their own professional judgment in making decisions related to the property. SGI cannot provide conclusions on environmental conditions outside the completed scope of work. SGI cannot guarantee that future conditions will not change and affect the validity of the presented scope of work and any conclusions presented. No warranty or guarantee, whether expressed or implied, is made with respect to the data, observations, recommendations, and conclusions.

7.0 REFERENCES

BASELINE Environmental Consulting (BASELINE). 2005. Site History and Data Summary Report, 785 7th Street, Oakland, California. January 10.

BASELINE. 2008. Documentation of Frog Pond Removal Activities, 751-785 Seventh Street, Oakland, California. February 29.

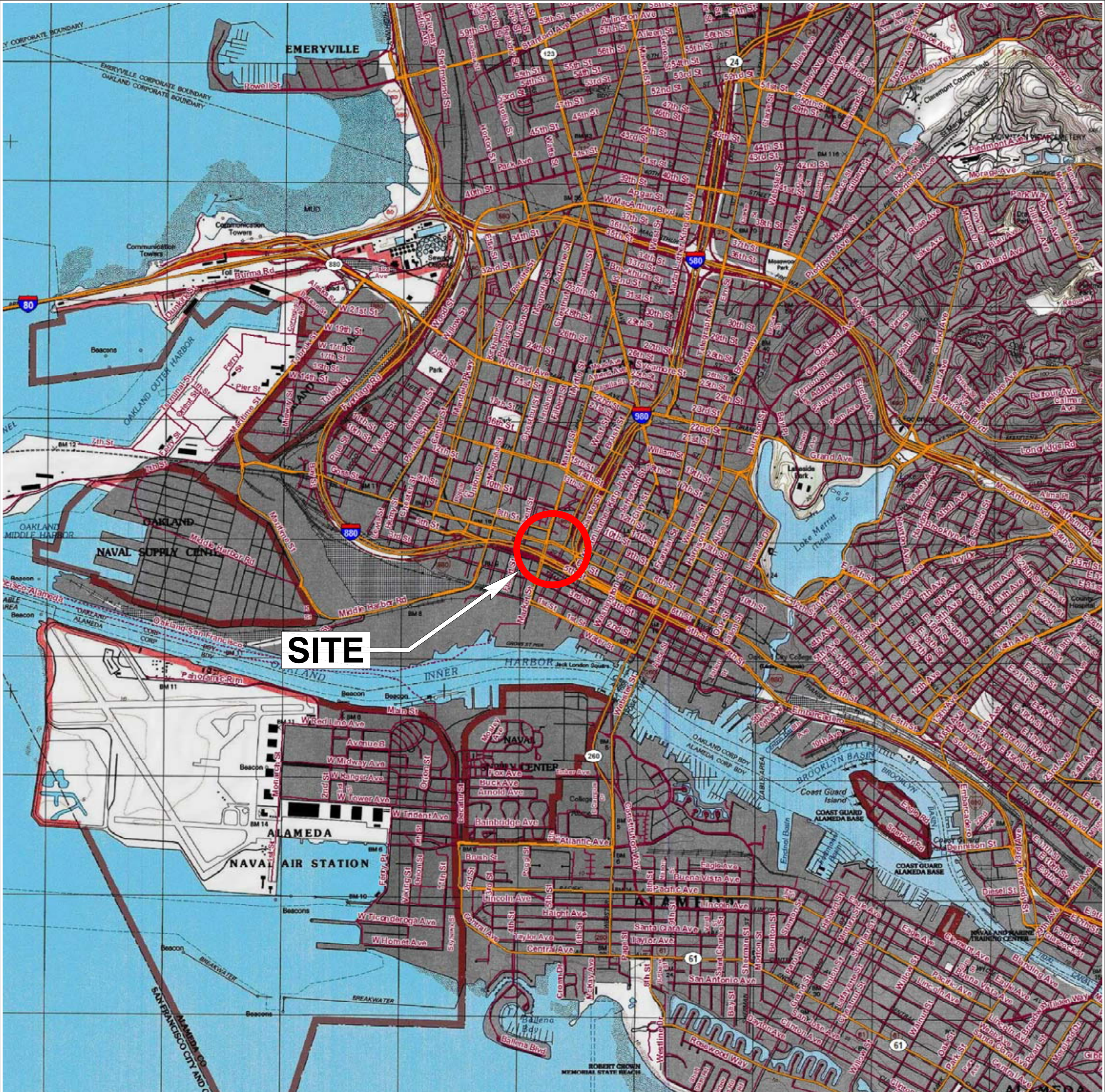
BASELINE. 2010. Phase IV Soil and Groundwater Investigation, 751-785 Seventh Street, Oakland, California. May 28.

Conestoga-Rovers & Associates (CRA). 2009. Groundwater Monitoring Report – Third Quarter 2009, Shell-Branded Service Station, 601 Market Street, Oakland, California. October 28.

Safety-Kleen Corporation. 1990. RCRA Facility Assessment. 404 Market Street, Oakland, California. September.

FIGURES

C:\Drawing Files\The Source Group\Former Francis Plating Site 01-FP-006\Qtrly GWM And Sampling Report\2015-Q3\Fig 1, Site Location Map - 09/16/2015



LEGEND

Site Location

REFERENCE LOCATION

Map Source:
USGS 7.5 Minute
Topographic Quadrangle Map,
Oakland West, CA - 1993, Photorevised 1997

SITE LOCATION MAP

FORMER FRANCIS PLATING
789 SEVENTH STREET
OAKLAND, CALIFORNIA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-004	09/16/2015	CM	AB

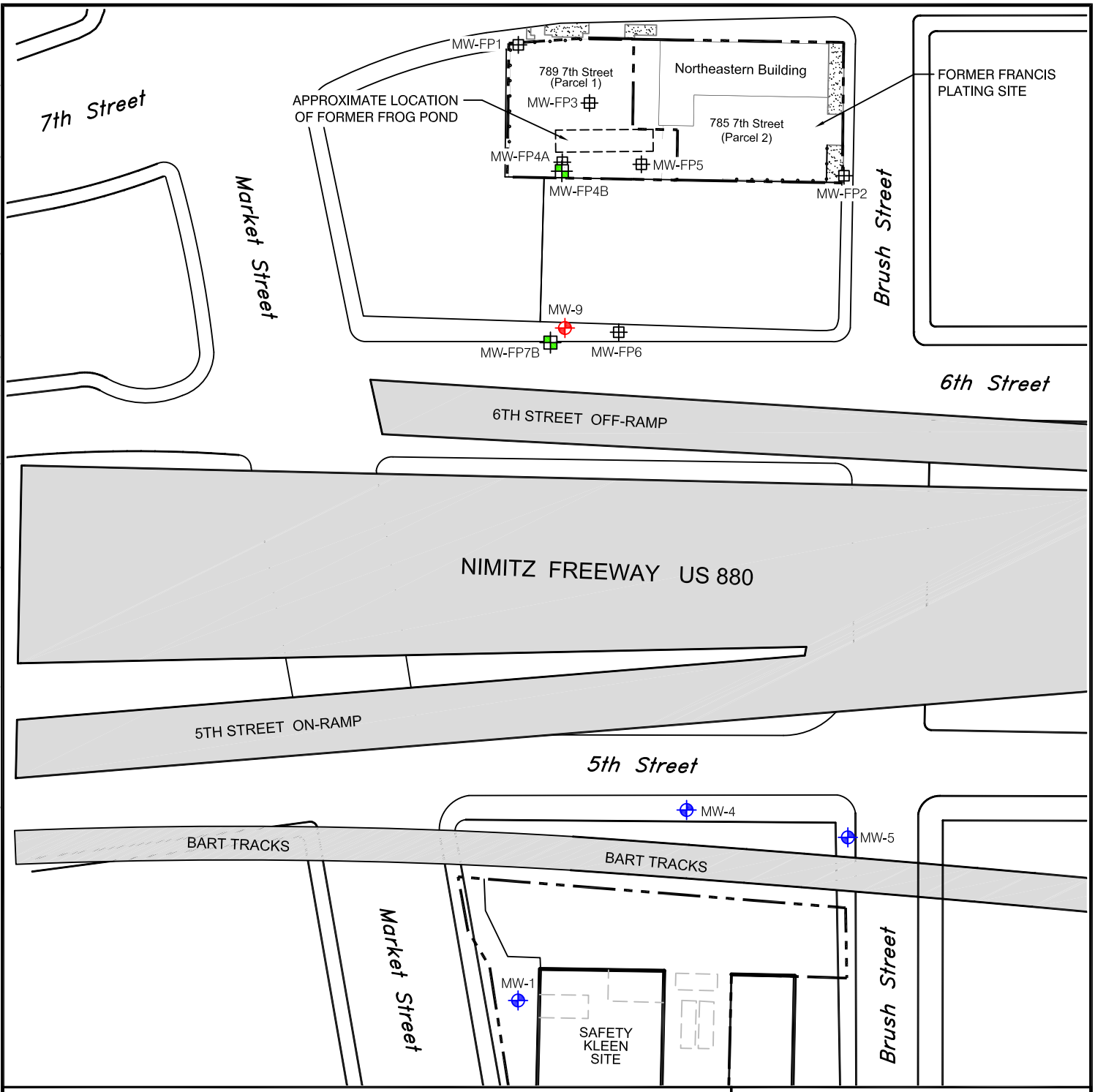
0 0.75 1.5
APPROXIMATE SCALE IN MILES

SGI environmental THE SOURCE GROUP, INC.
944 McCOURTNEY ROAD, SUITE H
GRASS VALLEY, CALIFORNIA 95949

N

FIGURE
1

C:\Drawing Files\The Source Group\Former Francis Plating Site 01-FP-006\Qtrly GWM And Sampling Report\2015-Q3\Fig 2. Site And Downgradient Vicinity - 09/16/2015



LEGEND

- MW-FP6 — Shallow Groundwater Monitoring Well
- MW-FP7B — Deep Groundwater Monitoring Well
- MW-9 — Shell Shallow Groundwater Monitoring Well
- MW-5 — Safety Kleen Site Shallow Monitoring Well
- Fence
- Site Boundary

NOTE:

Base Map Sources:
- Google Earth, Image Date 05/31/2007

SITE AND DOWNGRADIENT VICINITY

FORMER FRANCIS PLATING
789 SEVENTH STREET
OAKLAND, CALIFORNIA

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APPROXIMATE SCALE IN FEET

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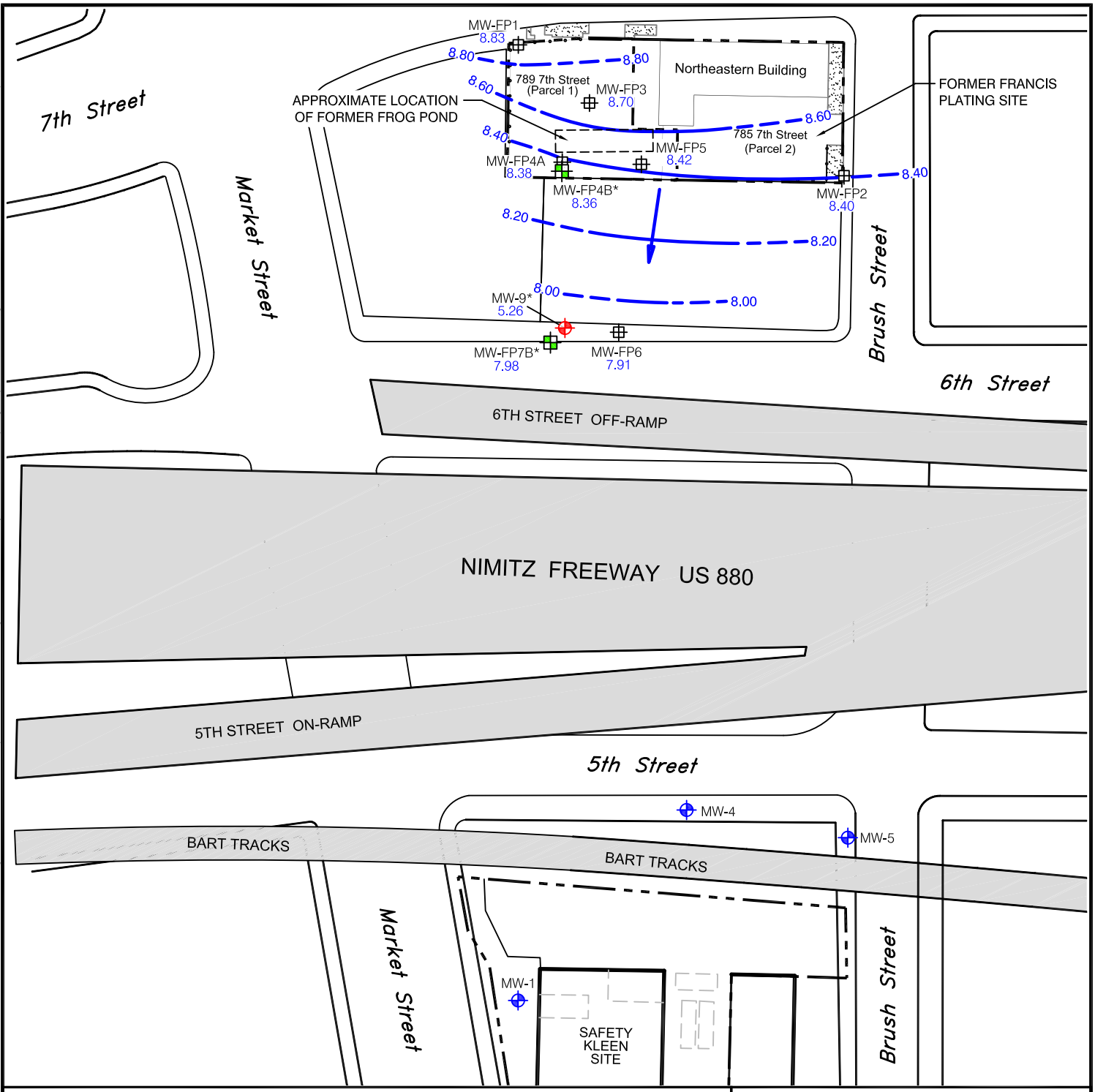
GRASS VALLEY, CALIFORNIA 95949

FIGURE 2

C:\Drawing Files\The Source Group\Former Francis Plating Site 01-FP-006\Qtrly GWM And Sampling Report\2015-Q3\Fig 3. GW Elev And Potentiometric Surface Map - 09/16/2015



LEGEND

- MW-FP6 — Shallow Groundwater Monitoring Well
- MW-FP7B — Deep Groundwater Monitoring Well
- MW-9 — Shell Shallow Groundwater Monitoring Well
- MW-5 — Safety Kleen Site Shallow Monitoring Well
- 8.80 — Groundwater Elevation Contour in Feet Above Mean Sea Level (Dashed Where Inferred)
- Approximate Groundwater Flow Direction
- Fence
- Site Boundary

NOTE:

* - Not Included in Contour (MW-FP4B and MW-FP7B are screened in a diffferent zone, MW-9 was measured on a different date)

GROUNDWATER ELEVATION AND POTENTIOMETRIC SURFACE MAP SHALLOW ZONE AUGUST 25, 2015

FORMER FRANCIS PLATING
789 SEVENTH STREET
OAKLAND, CALIFORNIA

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0 100 200
APPROXIMATE SCALE IN FEET

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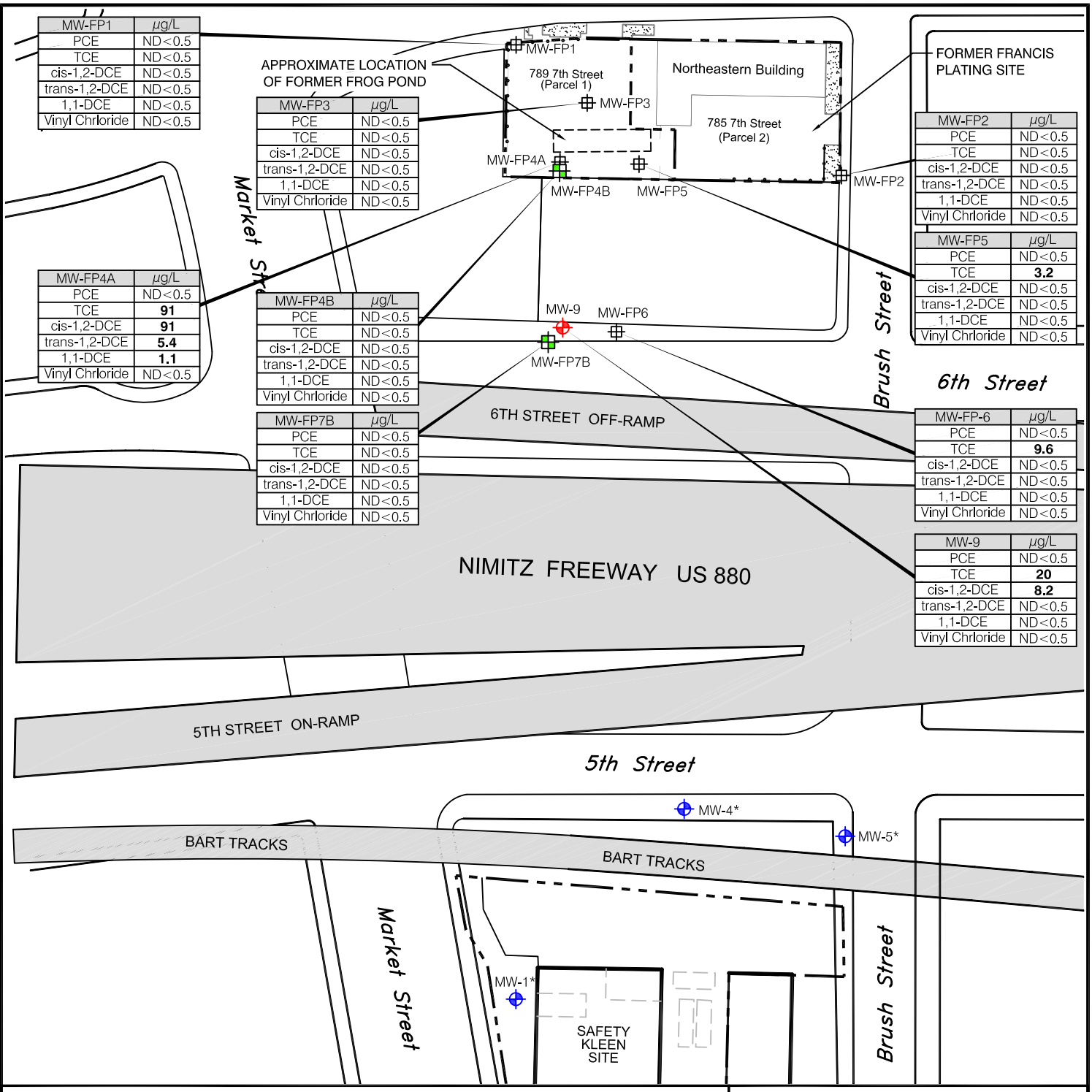
GRASS VALLEY, CALIFORNIA 95949

FIGURE 3

C:\Drawing Files\The Source Group\Former Francis Plating Site 01-FP-006\Qtrly GWM And Sampling Report\2015-Q3\Fig 4. VOC Concentrations In GW - 09/16/2015



MW-FP1	µg/L
PCE	ND<0.5
TCE	ND<0.5
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-FP3	µg/L
PCE	ND<0.5
TCE	ND<0.5
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-FP2	µg/L
PCE	ND<0.5
TCE	ND<0.5
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-FP5	µg/L
PCE	ND<0.5
TCE	**3.2**
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-FP4A	µg/L
PCE	ND<0.5
TCE	**91**
cis-1,2-DCE	**91**
trans-1,2-DCE	**5.4**
1,1-DCE	**1.1**
Vinyl Chrloride	ND<0.5

MW-FP4B	µg/L
PCE	ND<0.5
TCE	ND<0.5
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-FP7B	µg/L
PCE	ND<0.5
TCE	ND<0.5
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-FP-6	µg/L
PCE	ND<0.5
TCE	**9.6**
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

MW-9	µg/L
PCE	ND<0.5
TCE	**20**
cis-1,2-DCE	**8.2**
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

LEGEND

- MW-FP6 — Shallow Groundwater Monitoring Well
- MW-FP7B — Deep Groundwater Monitoring Well
- MW-9 — Shell Shallow Groundwater Monitoring Well
- MW-5 — Safety Kleen Site Shallow Monitoring Well
- Fence
- Site Boundary

Sample Location

MW-1	µg/L
PCE	ND<0.5
TCE	ND<0.5
cis-1,2-DCE	ND<0.5
trans-1,2-DCE	ND<0.5
1,1-DCE	ND<0.5
Vinyl Chrloride	ND<0.5

Analyte — Concentrations in Micrograms per Liter (µg/L)

NOTE:

PCE - Tetrachloroethylene
TCE - Trichloroethene
cis-1,2-DCE - cis-1,2-Dichloroethene
trans-1,2-DCE - trans-1,2-Dichloroethene
1,1-DCE - 1,1-Dichloroethene
ND<0.5 - Not Detected Above Labratory Reporting Limit
* - Well Not Sampled
µg/L - Micrograms per Liter

VOC CONCENTRATIONS IN GROUNDWATER - Q3 2015

FORMER FRANCIS PLATING
789 SEVENTH STREET
OAKLAND, CALIFORNIA

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0 100 200
APPROXIMATE SCALE IN FEET

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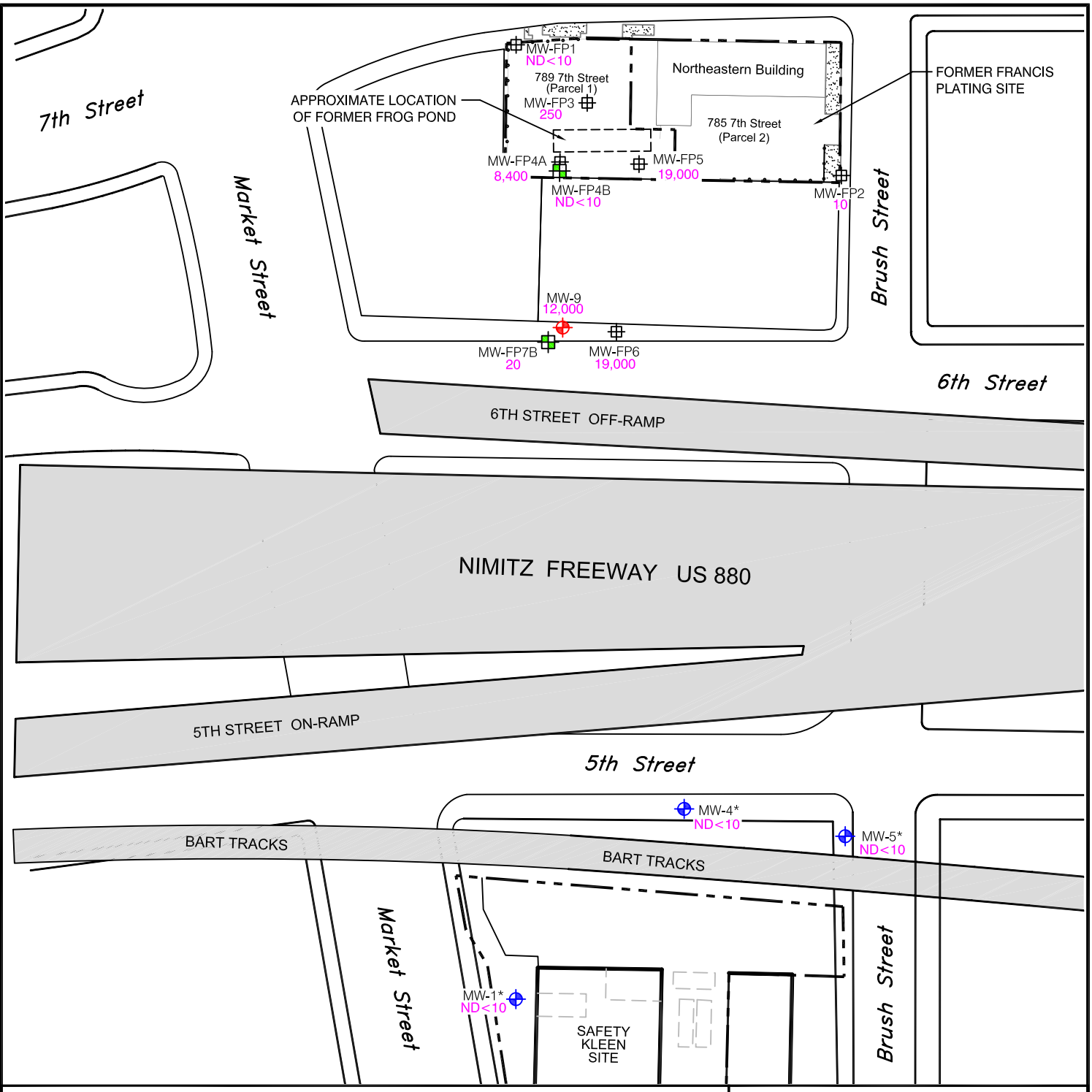
GRASS VALLEY, CALIFORNIA 95949

FIGURE 4



LEGEND

- MW-FP6 — Shallow Groundwater Monitoring Well
- MW-FP7B — Deep Groundwater Monitoring Well
- MW-9 — Shell Shallow Groundwater Monitoring Well
- MW-5 — Safety Kleen Site Shallow Monitoring Well
- Fence
- Site Boundary

NOTE:

- ND<0.5 - Not Detected Above Laboratory Reporting Limit
- 10 - Hexavalent Chromium Concentration in Micrograms per Liter (µg/L)
- * - Well Not Sampled during 3Q15
- 1Q15 Results presented for comparison

HEXAVALENT CHROMIUM CONCENTRATIONS IN GROUNDWATER - Q3 2015

FORMER FRANCIS PLATING
789 SEVENTH STREET
OAKLAND, CALIFORNIA

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0 100 200
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944 McCOURTNEY ROAD SUITE H
GRASS VALLEY, CALIFORNIA 95949

N

FIGURE 5

TABLES

Table 1
Groundwater Level Measurements
Former Francis Plating
Oakland, California

Groundwater Zone Screened	Well ID	Sample Date	TOC[1]	Depth to Water (ft btoc)	GW Elevation (ft msl)
ON-SITE					
Shallow	MW-FP1	1/5/2015	25.77	14.95	10.82
		8/25/2015		16.94	8.83
	MW-FP2	1/6/2015	23.81	13.04	10.77
		8/25/2015		15.41	8.40
	MW-FP3	1/5/2015	25.66	14.88	10.78
		8/25/2015		16.96	8.70
	MW-FP4A	1/5/2015	25.64	15.11	10.53
		8/25/2015		17.26	8.38
	MW-FP5	1/5/2015	25.69	15.04	10.65
		8/25/2015		17.27	8.42
	MW-FP6	1/5/2015	21.03	10.98	10.05
		8/25/2015		13.12	7.91
	MW-9	9/1/2015	18.42	13.16	5.26
Deep	MW-FP4B	1/5/2015	25.44	15.12	10.32
		8/25/2015		17.08	8.36
	MW-FP7B	1/5/2015	20.51	10.53	9.98
		8/25/2015		12.53	7.98
OFF-SITE					
Shallow	MW-1	1/6/2015	7.99	5.55	2.44
	MW-4	1/6/2015	10.32	7.23	3.09
	MW-5	1/6/2015	10.28	7.08	3.20

Notes:
TOC = Top of casing (feet above mean sea level)
ft btoc = feet below top of casing
ft msl = feet above mean sea level
[1] = Elevation datum is North American Vertical Datum of 1988 (NAVD88).

Table 2
Groundwater Analytical Results - Volatile Organic Compounds
Former Francis Plating
Oakland, California

Groundwater Zone Screened	Sample ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Chloroform
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
ON-SITE									
Shallow	MW-FP1	1/5/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	MW-FP2	1/6/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	MW-FP3	1/5/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	MW-FP4A	1/5/2015	ND<0.5	**52**	**37**	**2.6**	**0.6**	ND<0.5	-
		8/25/2015	ND<0.5	**91**	**91**	**5.4**	**1.1**	ND<0.5	ND<0.5
	MW-FP5	1/5/2015	ND<0.5	**1.4**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	**3.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	MW-FP6	1/5/2015	ND<0.5	**6.6**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	**9.6**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	MW-9	1/5/2015	-	-	-	-	-	-	-
		9/1/2015	ND<0.5	**20**	**8.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Deep	MW-FP4B	1/5/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**7**
	MW-FP7B	1/5/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
		8/25/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**17**
OFF-SITE									
Shallow	MW-1	1/6/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
	MW-4	1/6/2015	ND<0.5	**2.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
	MW-5	1/6/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-
QA/QC	TB-1	8/25/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	TRIP BLANK	9/1/2015	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
ESLs			***5***	***5***	***6***	***10***	***6***	***0.5***	***80***

Notes:
Detections shown in Bold.
= Greater than ESL
µg/L = Micrograms per liter
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
1,1-DCE = 1,1-Dichloroethene
ND<0.50 = Not detected above laboratory's reporting limit
- = Not sampled
ESLs = CRWQCB Environmental Screening Levels - groundwater is a potenitial drinking water resource. (values above shaded)

Table 3
Groundwater Analytical Results - Dissolved Metals and Hexavalent Chromium
Former Francis Plating
Oakland, California

Groundwater Zone Screened	Well ID	Sample Date	Antimony	Arsenic	Barium	Chromium (Total)	Chromium (Hexavalent)	Cobalt	Copper	Mercury	Molybdenum	Nickel	Vanadium	Zinc
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
ON-SITE														
Shallow	MW-FP1	1/5/2015	ND<10	ND<5.0	**44**	**5.2**	**10**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**31**	ND<5.0	ND<20
		8/25/15	ND<10	ND<5.0	**46**	**21**	ND<10	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**35**	ND<5.0	ND<20
	MW-FP2	1/6/2015	ND<10	ND<5.0	**32**	**16**	**10**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	ND<5.0	ND<20
		8/25/2015	ND<10	ND<5.0	**29**	**25**	**10**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	ND<5.0	ND<20
	MW-FP3	1/5/2015	ND<10	ND<5.0	**45**	**270**	**280**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**19**	**5.2**	ND<20
		8/25/2015	ND<10	ND<5.0	**56**	**290**	**250**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**20**	ND<5.0	ND<20
	MW-FP4A	1/5/2015	**44**	ND<5.0	**38**	**38,000**	**37,000**	**9.7**	**38**	ND<0.20	**14**	**330**	ND<5.0	**59**
		8/25/2015	ND<10	ND<5.0	**83**	**10,000**	**8,400**	**11**	**12**	ND<0.20	**22**	**120**	ND<5.0	**85**
	MW-FP5	1/5/2015	**16**	ND<5.0	**55**	**14,000**	**11,000**	ND<5.0	ND<5.0	ND<0.20	**6.0**	**12**	ND<5.0	ND<20
		8/25/2015	ND<10	ND<5.0	**40**	**24,000**	**19,000**	ND<5.0	ND<5.0	ND<0.20	**6.2**	**24**	ND<5.0	ND<20
	MW-FP6	1/5/2015	ND<10	ND<5.0	**44**	**5,400**	**5,300**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**15**	ND<5.0	ND<20
		8/25/2015	ND<10	ND<5.0	**31**	**23,000**	**19,000**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**38**	ND<5.0	ND<20
	MW-9	1/5/2015	-	-	-	-	-	-	-	-	-	-	-	-
		9/1/2015	ND<10	ND<5.0	**120**	**12,000**	**12,000**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	**98**	ND<5.0	ND<20
Deep	MW-FP4B	1/5/2015	ND<10	ND<5.0	**24**	**11**	**10**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	**8.9**	ND<20
		8/25/2015	ND<10	ND<5.0	**25**	**40**	ND<10	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	**7.3**	ND<20
	MW-FP7B	1/5/2015	ND<10	ND<5.0	**16**	**20**	**20**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	**12**	ND<20
		8/25/2015	ND<10	ND<5.0	**20**	**26**	**20**	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	**12**	ND<20
OFF-SITE														
Shallow	MW-1	1/6/2015	ND<10	**6.4**	**52**	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	ND<5.0	ND<20
	MW-4	1/6/2015	ND<10	**5.2**	**35**	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	ND<5.0	ND<20
	MW-5	1/6/2015	ND<10	ND<5.0	**48**	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<0.20	ND<5.0	ND<5.0	ND<5.0	ND<20
ESLs			***6***	***10***	***1,000***	***50***	***0.02***	***3***	***3.1***	***0.025***	***78***	***8.2***	***19***	***81***

Notes:
Detections shown in Bold.
= Greater than ESL
µg/L = Micrograms per liter
ND<0.10 =Analyte not detected above laboratory reporting limit
- = Not sampled
NA = Not analyzed
ESLs = CRWQCB Environmental Screening Levels - groundwater is a potenitial drinking water resource. (values above shaded)

APPENDIX A

REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 18, 2015

Mr. Tom McCoy 94612 (*Sent via E-mail to: tmccoy@bbiconstruction.com*)
Brush Street Group, LLC
1155 3rd Street, Suite 230
Oakland, CA 94607

Subject: Case File Review for SLIC Case RO0002586 and GeoTracker Global ID SL0600130797, Francis Plating Frog Pond, 751-785 7th Street, Oakland, CA 94607

Dear Mr. McCoy:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigation, and Cleanup (SLIC) case file for the above referenced site including the recently submitted document entitled, "*Groundwater Delineation Report, 751 Seventh Street, Oakland, California,*" dated February 23, 2015 (Report). In correspondence dated June 4, 2015, ACEH separated the site into two cases to allow the two cases to proceed independently. This directive letter for case RO0002586 applies to the western parcel that includes the Frog Pond. The February 23, 2015 Report, which was prepared on your behalf by The Source Group, Inc., (SGI) presents results from a groundwater monitoring event that included sampling of three off-site wells. Hexavalent chromium was not detected in the three off-site wells; however, the off-site wells appeared to be in a crossgradient position rather than downgradient from the Frog Pond based on the hydraulic gradient at the time of sampling. Further work will be required to delineate the downgradient extent of the plume.

The Report recommends locating missing well MW-FP6 and performing semi-annual groundwater sampling in July 2015. We concur with locating missing well MW-FP5 and performing semi-annual groundwater monitoring in July 2015 and request that you present the results in a Semi-annual Groundwater Monitoring Report to be submitted by September 16, 2015. The Report also recommends evaluating source reduction options. We request that you submit a Work Plan to complete delineation of the contaminant plume originating from the Frog Pond area. The Work Plan must also propose the collection of any data that may be required to screen and evaluate potential remedial alternatives for the Frog Pond area.

The Report provides a narrative discussion of the results of an updated well survey. However, the supporting information from the updated well survey was not provided because the information is not publicly available. We request that you submit the supporting information from the well survey including maps and tables in an electronic file labeled confidential. ACEH will place in a confidential folder within the case file that will not be visible or available to the public.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **August 18, 2015** – Work Plan for Plume Delineation and Date Collection for Evaluation of Remedial Alternatives
  File to be named: WP_R_yyyy-mm-dd RO2586

- **August 18, 2015** – Well Survey
  File to be named: COND_WELL_R_yyyy-mm-dd_CONFIDENTIAL RO2586

- **September 16, 2015** – Semi-annual Groundwater Monitoring Report
  File to be named: GWM_R_yyyy-mm-dd RO2586

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Margot Lederer Prado, City of Oakland Economic Development Division, Brownfields Management, 250 Frank H. Ogawa Plaza, Suite 3315, Oakland, CA 94612 (*Sent via E-mail to: MPrado@oaklandnet.com*)

Matthew Sutton, The Source Group, Inc., 3478 Buskirk Avenue, Suite100, Pleasant Hill, CA 94523 (*Sent via E-mail to: msutton@thesourcegroup.net*)

Markus Niebanck, Amicus, 580 Second Street, Suite 260, Oakland, CA 94607 (*Sent via E-mail to: markus@amicusenv.com*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)
GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

SAMPLING FIELD FORMS

WELL GAUGING DATA

Project # 150825-GR1 Date 8/25/2015 Client SGI

Site 751-785 7th St. – 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-FP1	1348	2	odor	—	—	—	16.94	24.94		
MW-FP2	0958	2		—	—	—	15.41	24.90		
MW-FP3	1425	2		—	—	—	16.96	24.92		*roots down well
MW-FP4A	1055	2		—	—	—	17.26	24.94		
MW-FP4B	1126	2		—	—	—	17.08	56.66		
MW-FP5	1305	2		—	—	—	17.27	24.97		
MW-9 MW-FP6		Unable to locate well								
MW-FP7B	0820	2		—	—	—	12.53	48.96		
AB MW-FP6 MW-9	0901	2		—	—	—	13.12	24.58		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.94	Depth to Water Pre: 16.94 Post: 17.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Flow Rate: 200 ml/min @ 1352 Pump Depth: 20'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW / Observations
1355	23.6	6.03	499	9	1.23	180.3	600	odor 17.06
1358	23.7	6.03	494	6	1.17	181.1	1200	17.12
1401	23.8	6.04	504	4	1.06	181.6	1800	17.16
1404	23.6	6.09	552	5	0.96	181.1	2400	17.17
1407	23.4	6.11	566	5	0.86	180.0	3000	17.17
1410	23.4	6.13	578	4	0.88	179.9	3600	17.16
								* roots down well
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 3600 ml

Sampling Time: 1413 Sampling Date: 8/25/2015

Sample I.D.: MW-FP1 Laboratory: C&T

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

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.90	Depth to Water Pre: 15.41 Post: 15.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Flow Rate: 200 ml/min @ 1002 Pump Depth: 20'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW / Observations
1005	20.7	6.28	312	7	2.54	168.0	600	15.48
1008	20.7	6.25	306	6	2.30	167.5	1200	15.49
1011	20.7	6.25	305	7	2.18	165.3	1800	15.48
1014	20.9	6.25	304	6	2.19	163.9	2400	15.48
1017	21.1	6.25	304	6	2.22	162.4	3000	15.48
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 3000 ml

Sampling Time: 1020 Sampling Date: 8/25/2015

Sample I.D.: MW-FP2 Laboratory: C+T

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

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.92	Depth to Water Pre: 16.96 Post: 17.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____
Flow Rate: 200 ml/min @ 1428 Pump Depth: 20'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW / Observations
1431	22.4	6.13	864	11	3.15	185.9	600	17.25
1434	22.4	6.14	857	11	3.48	192.3	1200	17.31
1437	22.2	6.14	856	12	3.57	196.5	1800	17.34
1440	22.4	6.14	858	12	3.56	199.5	2400	17.36
1443	22.3	6.14	857	12	3.57	202.1	3000	17.37
							Fe^{2+} =	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 3000 ml
Sampling Time: 1446 Sampling Date: 8/25/2015
Sample I.D.: MW-FP3 Laboratory: C&T
Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See COC
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP4A	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.94	Depth to Water Pre: 17.26 Post: 17.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____
Flow Rate: 200 ml/min @ 1059 Pump Depth: 20'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW / Observations
1102	20.6	6.15	2233	8	0.36	185.9	600	17.33
1105	20.5	6.18	2184	7	0.40	188.6	1200	17.36
1108	20.8	6.19	2110	6	0.76	191.6	1800	17.38
1111	20.6	6.19	2084	5	0.85	192.8	2400	17.37
1114	20.5	6.20	2065	4	0.90	192.0	3000	17.35
1117	20.5	6.20	2053	6	0.82	191.4	3600	17.36
								* yellow/green color
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 3600 ml
Sampling Time: 1120 Sampling Date: 8/25/2015
Sample I.D.: MW-FP4A Laboratory: C&T
Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) see COC
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP4B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 56.66	Depth to Water Pre: 17.08 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___
Flow Rate: 200 ml/min @ 1131 Pump Depth: 50'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW / Observations
1134	21.4	7.01	484	9	0.47	39.9	600	odor 17.56
1137	21.3	6.99	458	6	0.37	74.4	1200	17.59
1140	21.2	7.02	511	5	0.36	85.5	1800	17.61
1143	21.1	7.00	533	5	0.39	90.3	2400	17.62
1146	21.0	6.99	539	5	0.41	94.2	3000	17.63
1149	21.5	6.99	539	6	0.43	96.3	3600	17.57
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 3600 ml
Sampling Time: 1152 Sampling Date: 8/25/2015
Sample I.D.: MW-FP4B Laboratory: C&T
Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.97	Depth to Water Pre: 17.27 Post: 17.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Flow Rate: 200 ml/min @ 1307 Pump Depth: 20'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW / Observations
1310	21.1	6.66	497	24	1.28	137.7	600	17.42
1313	21.0	6.59	505	28	1.16	145.9	1200	17.38
1316	20.9	6.55	516	26	0.91	151.3	1800	17.40
1319	20.8	6.51	524	25	0.90	155.6	2400	17.43
1322	20.8	6.49	529	23	0.65	159.0	3000	17.44
1325	20.8	6.48	534	23	0.62	162.2	3600	17.44
1328	20.7	6.47	536	23	0.60	163.9	4200	17.45
								* yellow/green color
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 4200 ml

Sampling Time: 1331 Sampling Date: 8/25/2015

Sample I.D.: MW-FP5 Laboratory: C&T

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

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: ~~MW~~ AB MW-9 MW-FP6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.58	Depth to Water Pre: 13.12 Post: 13.31
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Flow Rate: 200 ml/min @ 0908 Pump Depth: 20'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW / Observations
0911	20.9	6.08	896	10	2.16	149.9	600	13.23
0914	21.2	6.09	932	8	2.65	162.8	1200	13.23
0917	21.2	6.09	933	8	2.19	169.3	1800	13.25
0920	21.0	6.10	928	6	2.24	173.3	2400	13.27
0923	20.9	6.11	925	6	1.75	176.4	3000	13.28
0926	21.1	6.11	925	5	1.69	178.4	3600	13.29
0929	21.2	6.11	928	6	1.70	180.3	4200	13.31
								* yellow/green color
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 4200 ml

Sampling Time: 0932 Sampling Date: 8/25/2015

Sample I.D.: ~~MW~~ AB MW-9 MW-FP6 Laboratory: C&T

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

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150825-GR1	Client: SGI
Sampler: GR	Start Date: 8/25/2015
Well I.D.: MW-FP7B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 48.96	Depth to Water Pre: 12.53 Post: 12.66
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___
Flow Rate: 200 ml/min @ 0828 Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW / Observations
0831	20.7	6.58	332	6	1.71	33.6	600	12.64
0834	20.5	6.57	322	6	1.55	63.9	1200	12.65
0837	20.4	6.58	322	5	1.43	82.4	1800	12.65
0840	20.4	6.59	324	5	1.52	88.4	2400	12.65
0843	20.4	6.60	328	5	1.37	92.9	3000	12.66
0846	20.4	6.62	336	4	1.34	97.3	3600	12.66
0849	20.6	6.63	339	5	1.44	98.8	4200	12.66
							Fe^{2+} = 0.0	mg/L

Did well dewater? Yes (No) Amount actually evacuated: 4200 ml
Sampling Time: 0852 Sampling Date: 8/25/2015
Sample I.D.: MW-FP7B Laboratory: C+T
Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) see COC
Equipment Blank I.D.: TB-1 (TRIP) @ Time 0800 Duplicate I.D.:

Groundwater Monitoring Well
Field Sampling Form

THE SOURCE GROUP, INC.

PROJECT NAME: FRANCIS PLATING
PROJECT NO.: 01-SSG-001
TASK NO.:
WELL ID: MW-9
PURGE DATE: 9.1.15
SAMPLE TIME: 1555
SAMPLE DATE: 9.1.15

Historical rate:
# of volumes:

INITIAL DTW (ft): 13.16
DEPTH TO BOTTOM (ft): 18.97
WELL DIAM. (in): 4"
3 VOLUMES (gals): low flow

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

PERSONNEL: A. TRACY

PURGE LOG:

(check units!)

DTW	Time (24 hr)	Flow Rate (ml/min)	pH	EC (µs/cm)	Temp. (C°)	Disolved Oxygen (mg/L)	REDOX (ORP)	Color	Turbidity	Other Observations
13.35	1538	200	5.92	1798	22.26	1.25	153.3	CLEAR	—	
13.46	1541	200	5.69	1647	21.95	1.14	145.0	"	—	
13.53	1544	200	5.69	1633	21.91	1.18	145.0	"		
13.57	1547	200	5.71	1630	21.89	1.18	146.3	"		
13.62	1550	200	5.74	1626	21.92	1.16	144.7	"		

Total Gallons Purged: ≈ 2.5 gal

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

WELL SAMPLING:

DTW at Time of Sampling: 13.62

Sampling Method: 2" Submersible Pump | 12 Volt Pump | (Peristaltic Pump) | Bailer | PDB

SAMPLE ID: MW-9

QA/QC SAMPLING:

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

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

PROPER DECON: (Yes) | No

COMMENTS:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME SGI @ 751-785 7th St. - Oakland, CA				PROJECT NUMBER 150825-GR1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI ProPlus	14F101212	8/25/2015 C 0810	7.0 10.0 4.0 pH	7.00 @ 24.5°C 10.00 @ 24.3°C 3.98 @ 24.4°C	yes		GR
			232.5 @ 24.3°C ORP	232.5	yes	24.3°C	GR
			3900 µS cond	3900	yes	24.4°C	GR
			100 % D.O. (761.9 mmHg)	100.1 %	yes	24.1°C	GR

WELLHEAD INSPECTION CHECKLIST

Client SGI Date 8/25/2015

Site Address 751-785 7th St. - Oakland, CA

Job Number 150825-GR1 Technician GR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-FP1	X							
MW-FP2	X							
MW-FP3	X							
MW-FP4A	X							
MW-FP4B	X							
MW-FP5	X							
MW-FP6		Unable to locate well						
MW-FP7B	X							
MW-9	X							

NOTES:

APPENDIX C

LABORATORY ANALYTICAL DATA – GROUNDWATER


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 269292
ANALYTICAL REPORT

The Source Group, Inc.	Project : STANDARD
3478 Buskirk Ave	Location : Former Francis Plating
Pleasant Hill, CA 94523	Level : II

Sample ID	Lab ID
TB-1	269292-001
MW-FP7B	269292-002
MW-FP6	269292-003
MW-FP2	269292-004
MW-FP4A	269292-005
MW-FP4B	269292-006
MW-FP5	269292-007
MW-FP1	269292-008
MW-FP3	269292-009

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 09/02/2015

Mike Dahlquist
Project Manager
mike.dahlquist@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**269292**
Client:	**The Source Group, Inc.**
Location:	**Former Francis Plating**
Request Date:	**08/25/15**
Samples Received:	**08/25/15**

This data package contains sample and QC results for nine water samples, requested for the above referenced project on 08/25/15. The samples were received cold and intact. Data package revised 9/8/15 to correct error in client ID in original COC.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

Hexavalent Chromium (EPA 7196A):
No analytical problems were encountered.

BLAINE
TECH SERVICES, INC.

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

269292

CHAIN OF CUSTODY BTS # 150825-GR1

CLIENT: The Source Group

SITE: Former Francis Plating
751-785 7th St.,
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: C&T DHS #

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

SPECIAL INSTRUCTIONS

Invoice and Report to : The Source Group

Attn: Adam Brown - abrown@thesourcegroup.net
Tel: 530.272.4200
EDF Required
PO No:

	SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		Full List VOC's (8260B)	Dissolved CAM 17 metals plus Hex Chrome Field Filtered 6/7/15							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
1	TB-1	8/25/15	0800	W	3	HCL vows	X											
2	MW-FP7B		0852	W	5	mixed	X	X										
3	~~MW-9~~ MW-FP6		0932	W	5		X	X										
4	MW-FP2		1020	W	5		X	X										
5	MW-FP4A		1120	W	5		X	X										
6	MW-FP4B		1152	W	5		X	X										
7	MW-FP5		1331	W	5		X	X										
8	MW-FP1		1413	W	5		X	X										
9	MW-FP3		1446	W	5		X	X										

SAMPLING COMPLETED	DATE	TIME
	8/25/15	1500

SAMPLING PERFORMED BY: Gregory Roberts

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	8/25/15	1500		8/25/15	1500
	8/25/15	1522		8/25/15	1522

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

Cold at lab

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 269292 Date Received 8/25/15 Number of coolers 1
Client The Source Group Project Former Francis Plating

Date Opened 8/25 By (print) Si (sign) [signature]
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) ____ YES (NO)
Shipping info ____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many ____ Name ____ Date ____
2B. Were custody seals intact upon arrival? ____ YES NO (N/A)
3. Were custody papers dry and intact when received? ____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) ____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 2.9°

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ____ YES (NO)
If YES, what time were they transferred to freezer? ____
9. Did all bottles arrive unbroken/unopened? ____ (YES) NO
10. Are there any missing / extra samples? ____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? ____ (YES) NO
12. Are sample labels present, in good condition and complete? ____ (YES) NO
13. Do the sample labels agree with custody papers? ____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? ____ (YES) NO
15. Are the samples appropriately preserved? ____ (YES) NO N/A
16. Did you check preservatives for all bottles for each sample? ____ (YES) NO N/A
17. Did you document your preservative check? ____ (YES) NO N/A
18. Did you change the hold time in LIMS for unpreserved VOAs? ____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? ____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? ____ (YES) NO N/A
21. Was the client contacted concerning this sample delivery? ____ YES (NO)
If YES, Who was called? ____ By ____ Date: ____

COMMENTS

Rev 10, 9/12

Curtis & Tompkins Sample Preservation for 269292

Sample	pH: <2	>9	>12	Other
-002a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-003a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-004a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-005a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-006a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-007a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-008a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____
-009a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[X]	[ ]	[ ]	_____

Analyst: EL

Date: 8/25/15

Curtis & Tompkins, Ltd.

Detections Summary for 269292

Results for any subcontracted analyses are not included in this summary.

Client : The Source Group, Inc.
Project : STANDARD
Location : Former Francis Plating

Client Sample ID : TB-1 Laboratory Sample ID : 269292-001

No Detections

Client Sample ID : MW-FP7B Laboratory Sample ID : 269292-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Chloroform	17		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Barium	20		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	26		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Vanadium	12		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	0.02		0.01	mg/L	DISS.	1.000	EPA 7196A	METHOD

Client Sample ID : MW-FP6 Laboratory Sample ID : 269292-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Trichloroethene	9.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Barium	31		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	23,000		500	ug/L	DISS.	100.0	EPA 6010B	METHOD
Nickel	38		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	19		1.0	mg/L	DISS.	100.0	EPA 7196A	METHOD

Client Sample ID : MW-FP2 Laboratory Sample ID : 269292-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Barium	29		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	25		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	0.01		0.01	mg/L	DISS.	1.000	EPA 7196A	METHOD

Curtis & Tompkins, Ltd.

Client Sample ID : MW-FP4A Laboratory Sample ID : 269292-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
1,1-Dichloroethene	1.1		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	5.4		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	91		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	91		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Barium	83		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	10,000		500	ug/L	DISS.	100.0	EPA 6010B	METHOD
Cobalt	11		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	12		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	22		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Nickel	120		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Zinc	85		20	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	8.4		1.0	mg/L	DISS.	100.0	EPA 7196A	METHOD

Client Sample ID : MW-FP4B Laboratory Sample ID : 269292-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Chloroform	6.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Barium	25		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	40		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Vanadium	7.3		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD

Client Sample ID : MW-FP5 Laboratory Sample ID : 269292-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Trichloroethene	3.2		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Naphthalene	1.1		1.0	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Barium	40		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	24,000		500	ug/L	DISS.	100.0	EPA 6010B	METHOD
Molybdenum	6.2		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Nickel	24		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	19		1.0	mg/L	DISS.	100.0	EPA 7196A	METHOD

Client Sample ID : MW-FP1 Laboratory Sample ID : 269292-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Barium	46		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	21		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Nickel	35		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD

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Client Sample ID : MW-FP3 Laboratory Sample ID : 269292-009

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Barium	56		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	290		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Nickel	20		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	0.25		0.01	mg/L	DISS.	1.000	EPA 7196A	METHOD

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TB-1	Batch#:	226522
Lab ID:	269292-001	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TB-1	Batch#:	226522
Lab ID:	269292-001	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP7B	Batch#:	226522
Lab ID:	269292-002	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	17	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP7B	Batch#:	226522
Lab ID:	269292-002	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	92	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP6	Batch#:	226522
Lab ID:	269292-003	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	9.6	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP6	Batch#:	226522
Lab ID:	269292-003	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP2	Batch#:	226522
Lab ID:	269292-004	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP2	Batch#:	226522
Lab ID:	269292-004	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP4A	Batch#:	226522
Lab ID:	269292-005	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	1.1	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	5.4	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	91	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	91	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP4A	Batch#:	226522
Lab ID:	269292-005	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP4B	Batch#:	226522
Lab ID:	269292-006	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	6.8	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP4B	Batch#:	226522
Lab ID:	269292-006	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	99	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP5	Diln Fac:	1.000
Lab ID:	269292-007	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
Freon 12	ND	1.0	226485	08/26/15
Chloromethane	ND	1.0	226485	08/26/15
Vinyl Chloride	ND	0.5	226485	08/26/15
Bromomethane	ND	1.0	226485	08/26/15
Chloroethane	ND	1.0	226485	08/26/15
Trichlorofluoromethane	ND	1.0	226485	08/26/15
Acetone	ND	10	226485	08/26/15
Freon 113	ND	5.0	226485	08/26/15
1,1-Dichloroethene	ND	0.5	226485	08/26/15
Methylene Chloride	ND	10	226485	08/26/15
Carbon Disulfide	ND	0.5	226485	08/26/15
MTBE	ND	0.5	226485	08/26/15
trans-1,2-Dichloroethene	ND	0.5	226485	08/26/15
Vinyl Acetate	ND	10	226485	08/26/15
1,1-Dichloroethane	ND	0.5	226485	08/26/15
2-Butanone	ND	10	226485	08/26/15
cis-1,2-Dichloroethene	ND	0.5	226485	08/26/15
2,2-Dichloropropane	ND	0.5	226485	08/26/15
Chloroform	ND	0.5	226485	08/26/15
Bromochloromethane	ND	0.5	226485	08/26/15
1,1,1-Trichloroethane	ND	0.5	226485	08/26/15
1,1-Dichloropropene	ND	0.5	226485	08/26/15
Carbon Tetrachloride	ND	0.5	226485	08/26/15
1,2-Dichloroethane	ND	0.5	226485	08/26/15
Benzene	ND	0.5	226485	08/26/15
Trichloroethene	3.2	0.5	226485	08/26/15
1,2-Dichloropropane	ND	0.5	226485	08/26/15
Bromodichloromethane	ND	0.5	226485	08/26/15
Dibromomethane	ND	0.5	226485	08/26/15
4-Methyl-2-Pentanone	ND	10	226485	08/26/15
cis-1,3-Dichloropropene	ND	0.5	226485	08/26/15
Toluene	ND	0.5	226485	08/26/15
trans-1,3-Dichloropropene	ND	0.5	226485	08/26/15
1,1,2-Trichloroethane	ND	0.5	226485	08/26/15
2-Hexanone	ND	10	226485	08/26/15
1,3-Dichloropropane	ND	0.5	226485	08/26/15
Tetrachloroethene	ND	0.5	226485	08/26/15
Dibromochloromethane	ND	0.5	226485	08/26/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP5	Diln Fac:	1.000
Lab ID:	269292-007	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
1,2-Dibromoethane	ND	0.5	226485	08/26/15
Chlorobenzene	ND	0.5	226485	08/26/15
1,1,1,2-Tetrachloroethane	ND	0.5	226485	08/26/15
Ethylbenzene	ND	0.5	226485	08/26/15
m,p-Xylenes	ND	0.5	226485	08/26/15
o-Xylene	ND	0.5	226485	08/26/15
Styrene	ND	0.5	226485	08/26/15
Bromoform	ND	1.0	226485	08/26/15
Isopropylbenzene	ND	0.5	226485	08/26/15
1,1,2,2-Tetrachloroethane	ND	0.5	226485	08/26/15
1,2,3-Trichloropropane	ND	0.5	226485	08/26/15
Propylbenzene	ND	0.5	226485	08/26/15
Bromobenzene	ND	0.5	226485	08/26/15
1,3,5-Trimethylbenzene	ND	0.5	226485	08/26/15
2-Chlorotoluene	ND	0.5	226485	08/26/15
4-Chlorotoluene	ND	0.5	226485	08/26/15
tert-Butylbenzene	ND	0.5	226485	08/26/15
1,2,4-Trimethylbenzene	ND	0.5	226485	08/26/15
sec-Butylbenzene	ND	0.5	226485	08/26/15
para-Isopropyl Toluene	ND	0.5	226485	08/26/15
1,3-Dichlorobenzene	ND	0.5	226485	08/26/15
1,4-Dichlorobenzene	ND	0.5	226485	08/26/15
n-Butylbenzene	ND	0.5	226485	08/26/15
1,2-Dichlorobenzene	ND	0.5	226485	08/26/15
1,2-Dibromo-3-Chloropropane	ND	2.0	226485	08/26/15
1,2,4-Trichlorobenzene	ND	0.5	226485	08/26/15
Hexachlorobutadiene	ND	0.5	226607	08/28/15
Naphthalene	1.1	1.0	226607	08/28/15
1,2,3-Trichlorobenzene	ND	0.5	226485	08/26/15

Surrogate	%REC	Limits	Batch#	Analyzed
Dibromofluoromethane	101	80-128	226485	08/26/15
1,2-Dichloroethane-d4	98	75-139	226485	08/26/15
Toluene-d8	101	80-120	226485	08/26/15
Bromofluorobenzene	108	80-120	226485	08/26/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP1	Batch#:	226522
Lab ID:	269292-008	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP1	Batch#:	226522
Lab ID:	269292-008	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP3	Batch#:	226522
Lab ID:	269292-009	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-FP3	Batch#:	226522
Lab ID:	269292-009	Sampled:	08/25/15
Matrix:	Water	Received:	08/25/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	103	75-139
Toluene-d8	95	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	226485
Units:	ug/L	Analyzed:	08/25/15
Diln Fac:	1.000		

Type: BS Lab ID: QC800944

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	14.17	113	66-135
Benzene	12.50	14.34	115	80-123
Trichloroethene	12.50	12.84	103	80-123
Toluene	12.50	13.71	110	80-121
Chlorobenzene	12.50	13.85	111	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-120

Type: BSD Lab ID: QC800945

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	13.49	108	66-135	5	24
Benzene	12.50	13.79	110	80-123	4	20
Trichloroethene	12.50	12.69	102	80-123	1	20
Toluene	12.50	13.32	107	80-121	3	20
Chlorobenzene	12.50	13.56	108	80-123	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC800946	Batch#:	226485
Matrix:	Water	Analyzed:	08/25/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC800946	Batch#:	226485
Matrix:	Water	Analyzed:	08/25/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.8
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	108	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	226522
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Type: BS Lab ID: QC801068

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	13.66	109	66-135
Benzene	12.50	12.55	100	80-123
Trichloroethene	12.50	11.76	94	80-123
Toluene	12.50	11.63	93	80-121
Chlorobenzene	12.50	11.47	92	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	91	75-139
Toluene-d8	92	80-120
Bromofluorobenzene	99	80-120

Type: BSD Lab ID: QC801069

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	12.51	100	66-135	9	24
Benzene	12.50	11.80	94	80-123	6	20
Trichloroethene	12.50	11.76	94	80-123	0	20
Toluene	12.50	11.80	94	80-121	1	20
Chlorobenzene	12.50	11.74	94	80-123	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	88	75-139
Toluene-d8	93	80-120
Bromofluorobenzene	97	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801070	Batch#:	226522
Matrix:	Water	Analyzed:	08/26/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801070	Batch#:	226522
Matrix:	Water	Analyzed:	08/26/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	226607
Units:	ug/L	Analyzed:	08/28/15
Diln Fac:	1.000		

Type: BS Lab ID: QC801412

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.01	100	66-135
Benzene	25.00	26.58	106	80-123
Trichloroethene	25.00	26.47	106	80-123
Toluene	25.00	27.26	109	80-121
Chlorobenzene	25.00	26.72	107	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-128
1,2-Dichloroethane-d4	96	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-120

Type: BSD Lab ID: QC801413

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.14	97	66-135	4	24
Benzene	25.00	25.62	102	80-123	4	20
Trichloroethene	25.00	25.99	104	80-123	2	20
Toluene	25.00	26.11	104	80-121	4	20
Chlorobenzene	25.00	25.75	103	80-123	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-128
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801414	Batch#:	226607
Matrix:	Water	Analyzed:	08/28/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801414	Batch#:	226607
Matrix:	Water	Analyzed:	08/28/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	1.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	103	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP7B	Diln Fac:	1.000
Lab ID:	269292-002	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Barium	20	5.0	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Chromium	26	5.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Nickel	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	12	5.0	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP6	Units:	ug/L
Lab ID:	269292-003	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Barium	31	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Chromium	23,000	500	100.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	1.000	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Nickel	38	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	1.000	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP2	Diln Fac:	1.000
Lab ID:	269292-004	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Barium	29	5.0	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Chromium	25	5.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Nickel	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP4A	Units:	ug/L
Lab ID:	269292-005	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Barium	83	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Chromium	10,000	500	100.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	11	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Copper	12	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	1.000	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	22	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Nickel	120	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Zinc	85	20	1.000	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP4B	Diln Fac:	1.000
Lab ID:	269292-006	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Barium	25	5.0	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Chromium	40	5.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Nickel	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	7.3	5.0	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP5	Units:	ug/L
Lab ID:	269292-007	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Barium	40	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Chromium	24,000	500	100.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	1.000	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	6.2	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Nickel	24	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	1.000	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	ND	5.0	1.000	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	1.000	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP1	Diln Fac:	1.000
Lab ID:	269292-008	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Barium	46	5.0	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Chromium	21	5.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Nickel	35	5.0	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD		
Field ID:	MW-FP3	Diln Fac:	1.000
Lab ID:	269292-009	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Barium	56	5.0	226706	08/31/15	09/02/15	EPA 6010B
Beryllium	ND	2.0	226706	08/31/15	09/02/15	EPA 6010B
Cadmium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Chromium	290	5.0	226706	08/31/15	09/02/15	EPA 6010B
Cobalt	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Copper	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Lead	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Mercury	ND	0.20	226504	08/27/15	08/27/15	EPA 7470A
Molybdenum	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Nickel	20	5.0	226706	08/31/15	09/02/15	EPA 6010B
Selenium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Silver	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Thallium	ND	10	226706	08/31/15	09/02/15	EPA 6010B
Vanadium	ND	5.0	226706	08/31/15	09/02/15	EPA 6010B
Zinc	ND	20	226706	08/31/15	09/02/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	226504
Lab ID:	QC801002	Prepared:	08/26/15
Matrix:	Water	Analyzed:	08/26/15
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226504
Matrix:	Water	Prepared:	08/26/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC801003	2.500	2.625	105	80-120		
BSD	QC801004	2.500	2.535	101	80-120	3	24

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226504
Field ID:	ZZZZZZZZZZ	Sampled:	08/24/15
MSS Lab ID:	269310-001	Received:	08/25/15
Matrix:	Water	Prepared:	08/26/15
Units:	ug/L	Analyzed:	08/26/15
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC801005	0.03191	2.500	2.565	101	60-130		
MSD	QC801006		2.500	2.414	95	60-130	6	34

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801810	Batch#:	226706
Matrix:	Filtrate	Prepared:	08/31/15
Units:	ug/L	Analyzed:	09/02/15

Analyte	Result	RL
Antimony	ND	10
Arsenic	ND	5.0
Barium	ND	5.0
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	5.0
Cobalt	ND	5.0
Copper	ND	5.0
Lead	ND	5.0
Molybdenum	ND	5.0
Nickel	ND	5.0
Selenium	ND	10
Silver	ND	5.0
Thallium	ND	10
Vanadium	ND	5.0
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	226706
Units:	ug/L	Prepared:	08/31/15
Diln Fac:	1.000	Analyzed:	09/02/15

Type: BS Lab ID: QC801811

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	98.75	99	79-120
Arsenic	100.0	99.50	100	80-120
Barium	100.0	99.59	100	80-120
Beryllium	100.0	100.4	100	80-120
Cadmium	100.0	102.7	103	80-120
Chromium	100.0	98.05	98	80-120
Cobalt	100.0	97.75	98	80-120
Copper	100.0	99.79	100	80-120
Lead	100.0	95.76	96	80-120
Molybdenum	100.0	100.9	101	80-120
Nickel	100.0	99.08	99	80-120
Selenium	100.0	104.1	104	80-120
Silver	100.0	102.4	102	77-120
Thallium	50.00	51.07	102	80-121
Vanadium	100.0	100.7	101	80-120
Zinc	100.0	101.6	102	80-120

Type: BSD Lab ID: QC801812

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	99.59	100	79-120	1	20
Arsenic	100.0	98.21	98	80-120	1	20
Barium	100.0	100.1	100	80-120	1	20
Beryllium	100.0	100.9	101	80-120	1	20
Cadmium	100.0	102.5	102	80-120	0	20
Chromium	100.0	98.74	99	80-120	1	20
Cobalt	100.0	98.24	98	80-120	1	20
Copper	100.0	101.0	101	80-120	1	20
Lead	100.0	95.59	96	80-120	0	20
Molybdenum	100.0	100.5	100	80-120	0	20
Nickel	100.0	99.10	99	80-120	0	20
Selenium	100.0	102.9	103	80-120	1	20
Silver	100.0	98.05	98	77-120	4	20
Thallium	50.00	51.43	103	80-121	1	20
Vanadium	100.0	99.83	100	80-120	1	20
Zinc	100.0	102.7	103	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	MW-FP7B	Batch#:	226706
MSS Lab ID:	269292-002	Sampled:	08/25/15
Matrix:	Filtrate	Received:	08/25/15
Units:	ug/L	Prepared:	08/31/15
Diln Fac:	1.000	Analyzed:	09/02/15

Type: MS Lab ID: QC801813

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<2.000	100.0	100.1	100	74-120
Arsenic	<1.538	100.0	100.1	100	80-127
Barium	19.69	100.0	117.9	98	80-120
Beryllium	<0.4000	100.0	101.1	101	80-120
Cadmium	<1.000	100.0	99.28	99	80-120
Chromium	26.36	100.0	122.0	96	80-120
Cobalt	2.212	100.0	95.82	94	80-120
Copper	<1.452	100.0	98.64	99	80-120
Lead	<1.190	100.0	91.49	91	67-120
Molybdenum	2.816	100.0	102.1	99	80-120
Nickel	1.657	100.0	93.14	91	80-120
Selenium	3.607	100.0	105.6	102	73-132
Silver	<1.000	100.0	103.5	103	67-120
Thallium	<2.000	50.00	50.33	101	76-121
Vanadium	11.59	100.0	111.5	100	80-120
Zinc	<4.000	100.0	98.51	99	80-122

Type: MSD Lab ID: QC801814

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	99.43	99	74-120	1	24
Arsenic	100.0	100.7	101	80-127	1	25
Barium	100.0	119.5	100	80-120	1	20
Beryllium	100.0	101.6	102	80-120	0	20
Cadmium	100.0	101.8	102	80-120	3	20
Chromium	100.0	121.0	95	80-120	1	20
Cobalt	100.0	97.19	95	80-120	1	20
Copper	100.0	98.61	99	80-120	0	20
Lead	100.0	93.71	94	67-120	2	23
Molybdenum	100.0	103.8	101	80-120	2	20
Nickel	100.0	94.29	93	80-120	1	20
Selenium	100.0	107.9	104	73-132	2	30
Silver	100.0	103.9	104	67-120	0	22
Thallium	50.00	49.66	99	76-121	1	20
Vanadium	100.0	113.4	102	80-120	2	20
Zinc	100.0	99.54	100	80-122	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved Hexavalent Chromium

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7196A
Analyte:	Hexavalent Chromium	Batch#:	226478
Matrix:	Filtrate	Received:	08/25/15
Units:	mg/L	Analyzed:	08/25/15 17:40

Field ID	Type	Lab ID	Result	RL	Diln Fac	Sampled
MW-FP7B	SAMPLE	269292-002	0.02	0.01	1.000	08/25/15 08:52
MW-FP6	SAMPLE	269292-003	19	1.0	100.0	08/25/15 09:32
MW-FP2	SAMPLE	269292-004	0.01	0.01	1.000	08/25/15 10:20
MW-FP4A	SAMPLE	269292-005	8.4	1.0	100.0	08/25/15 11:20
MW-FP4B	SAMPLE	269292-006	ND	0.01	1.000	08/25/15 11:52
MW-FP5	SAMPLE	269292-007	19	1.0	100.0	08/25/15 13:31
MW-FP1	SAMPLE	269292-008	ND	0.01	1.000	08/25/15 14:13
MW-FP3	SAMPLE	269292-009	0.25	0.01	1.000	08/25/15 14:46
	BLANK	QC800908	ND	0.01	1.000	

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved Hexavalent Chromium

Lab #:	269292	Location:	Former Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7196A
Analyte:	Hexavalent Chromium	Diln Fac:	1.000
Field ID:	MW-FP4B	Batch#:	226478
MSS Lab ID:	269292-006	Sampled:	08/25/15 11:52
Matrix:	Filtrate	Received:	08/25/15
Units:	mg/L	Analyzed:	08/25/15 17:40

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
LCS	QC800909		1.000	0.9390	94	90-110		
MS	QC800910	<0.01000	1.000	0.9210	92	85-115		
MSD	QC800911		1.000	0.9250	93	85-115	0	23

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 269496
ANALYTICAL REPORT

The Source Group, Inc.	Project : 01-SSG-001
3478 Buskirk Ave	Location : Francis Plating
Pleasant Hill, CA 94523	Level : II

Sample ID	Lab ID
TRIP BLANK	269496-001
MW-9	269496-002

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 09/04/2015

Mike Dahlquist
Project Manager
mike.dahlquist@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**269496**
Client:	**The Source Group, Inc.**
Project:	**01-SSG-001**
Location:	**Francis Plating**
Request Date:	**09/01/15**
Samples Received:	**09/01/15**

This data package contains sample and QC results for two water samples, requested for the above referenced project on 09/01/15. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

Hexavalent Chromium (EPA 7196A):
No analytical problems were encountered.

CHAIN OF COSTODY

Curtis & Tompkins Laboratories
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Berkeley, CA 94710

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Fax (510) 486-0532

C&T LOGIN # 269496

Page 1 of 1

Chain of Custody # ______

Project No: 01-SSG-001

Project Name: FRANCIS PLATING

Project P. O. No: 01-SSG-001

EDD Format: Report Level ☐ II ☐ III ☐ IV

Turnaround Time: ☒ RUSH BY 9/4/15 ☐ Standard

Sampler: A. TRACY

Report To: ADAM BROWN

Company: THE SOURCE GROUP, INC.

Telephone: 530 272 4200

Email: abrown@thesourcegroup.net

Lab No.	Sample ID.	SAMPLING: Date Collected	SAMPLING: Time Collected	MATRIX: Water	MATRIX: Solid	MATRIX:	MATRIX:	# of Containers	CHEMICAL PRESERVATIVE: HCl	H2SO4	HNO3	NaOH	None	ANALYTICAL REQUEST: VOCs BY 8260	TITLE 22 METALS - DISSOLVED - 6010	HEX CHROM
	TRIP BLANK	9.1.15	1550	X				2	X					X		
	MW-9	9.1.15	1555	X				5	X		X		X	X	X	X

Notes:

* SAMPLES FIELD *
FILTERED

SAMPLE RECEIPT
☐ Intact
☒ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:

DATE: 9.1.15 TIME: 1703

DATE: TIME:

DATE: TIME:

RECEIVED BY:

DATE: 9/1/15 TIME: 1703

DATE: TIME:

DATE: TIME:

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 269496 Date Received 9/1/15 Number of coolers 1
Client The Source Group Project Francis Planting

Date Opened 9/1 By (print) BL (sign)
Date Logged in ↓ By (print) SC (sign)

1. Did cooler come with a shipping slip (airbill, etc)_____ YES (NO)
Shipping info_____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many _____ Name_____ Date_____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received?_____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form)___ (YES) NO
6. Indicate the packing in cooler: (if other, describe)_____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C)_____

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☒ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present?_____ YES (NO)
If YES, what time were they transferred to freezer?_____
9. Did all bottles arrive unbroken/unopened?_____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ (YES) NO N/A
16. Did you check preservatives for all bottles for each sample? _____ (YES) NO N/A
17. Did you document your preservative check? _____ (YES) NO N/A
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
If YES, Who was called?_____ By_____ Date:_____

COMMENTS

_____
_____
_____
_____
_____
_____

Rev 10, 9/12

Curtis & Tompkins Sample Preservation for 269496

Sample	pH: <2	>9	>12	Other
-002a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[X]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____

Analyst: SC
Date: 9/1/15

Curtis & Tompkins, Ltd.

Detections Summary for 269496

Results for any subcontracted analyses are not included in this summary.

Client : The Source Group, Inc.
Project : 01-SSG-001
Location : Francis Plating

Client Sample ID : TRIP BLANK Laboratory Sample ID : 269496-001

No Detections

Client Sample ID : MW-9 Laboratory Sample ID : 269496-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
MTBE	2.0		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	8.2		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	20		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Chlorotoluene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Barium	120		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	12,000		500	ug/L	DISS.	100.0	EPA 6010B	METHOD
Nickel	98		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Hexavalent Chromium	12		1.0	mg/L	TOTAL	100.0	EPA 7196A	METHOD

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Field ID:	TRIP BLANK	Batch#:	226733
Lab ID:	269496-001	Sampled:	09/01/15
Matrix:	Water	Received:	09/01/15
Units:	ug/L	Analyzed:	09/01/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Field ID:	TRIP BLANK	Batch#:	226733
Lab ID:	269496-001	Sampled:	09/01/15
Matrix:	Water	Received:	09/01/15
Units:	ug/L	Analyzed:	09/01/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-128
1,2-Dichloroethane-d4	96	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Field ID:	MW-9	Batch#:	226733
Lab ID:	269496-002	Sampled:	09/01/15
Matrix:	Water	Received:	09/01/15
Units:	ug/L	Analyzed:	09/01/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	2.0	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	8.2	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	20	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Field ID:	MW-9	Batch#:	226733
Lab ID:	269496-002	Sampled:	09/01/15
Matrix:	Water	Received:	09/01/15
Units:	ug/L	Analyzed:	09/01/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	0.8	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	226733
Units:	ug/L	Analyzed:	09/01/15
Diln Fac:	1.000		

Type: BS Lab ID: QC801913

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	12.50	100	66-135
Benzene	12.50	12.53	100	80-123
Trichloroethene	12.50	11.88	95	80-123
Toluene	12.50	13.03	104	80-121
Chlorobenzene	12.50	12.34	99	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	95	80-120

Type: BSD Lab ID: QC801914

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.81	94	66-135	6	24
Benzene	12.50	11.49	92	80-123	9	20
Trichloroethene	12.50	11.15	89	80-123	6	20
Toluene	12.50	11.75	94	80-121	10	20
Chlorobenzene	12.50	11.45	92	80-123	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-128
1,2-Dichloroethane-d4	90	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801915	Batch#:	226733
Matrix:	Water	Analyzed:	09/01/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	EPA 5030B
Project#:	01-SSG-001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801915	Batch#:	226733
Matrix:	Water	Analyzed:	09/01/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001		
Field ID:	MW-9	Sampled:	09/01/15
Lab ID:	269496-002	Received:	09/01/15
Matrix:	Filtrate	Prepared:	09/02/15
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed	Analysis
Antimony	ND	10	1.000	226798	09/03/15	EPA 6010B
Arsenic	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Barium	120	5.0	1.000	226798	09/03/15	EPA 6010B
Beryllium	ND	2.0	1.000	226798	09/03/15	EPA 6010B
Cadmium	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Chromium	12,000	500	100.0	226798	09/04/15	EPA 6010B
Cobalt	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Copper	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Lead	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Mercury	ND	0.20	1.000	226781	09/02/15	EPA 7470A
Molybdenum	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Nickel	98	5.0	1.000	226798	09/03/15	EPA 6010B
Selenium	ND	10	1.000	226798	09/03/15	EPA 6010B
Silver	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Thallium	ND	10	1.000	226798	09/03/15	EPA 6010B
Vanadium	ND	5.0	1.000	226798	09/03/15	EPA 6010B
Zinc	ND	20	1.000	226798	09/03/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	226781
Lab ID:	QC802098	Prepared:	09/02/15
Matrix:	Water	Analyzed:	09/02/15
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226781
Matrix:	Water	Prepared:	09/02/15
Units:	ug/L	Analyzed:	09/02/15
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC802100	2.500	2.284	91	80-120		
BSD	QC802101	2.500	2.296	92	80-120	1	24

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226781
Field ID:	ZZZZZZZZZZ	Sampled:	08/27/15
MSS Lab ID:	269448-001	Received:	08/27/15
Matrix:	TCLP Leachate	Prepared:	09/02/15
Units:	ug/L	Analyzed:	09/02/15
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC802102	0.04886	2.500	2.579	101	60-130		
MSD	QC802103		2.500	2.497	98	60-130	3	34

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC802181	Batch#:	226798
Matrix:	Filtrate	Prepared:	09/02/15
Units:	ug/L	Analyzed:	09/04/15

Analyte	Result	RL
Antimony	ND	10
Arsenic	ND	5.0
Barium	ND	5.0
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	5.0
Cobalt	ND	5.0
Copper	ND	5.0
Lead	ND	5.0
Molybdenum	ND	5.0
Nickel	ND	5.0
Selenium	ND	10
Silver	ND	5.0
Thallium	ND	10
Vanadium	ND	5.0
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	226798
Units:	ug/L	Prepared:	09/02/15
Diln Fac:	1.000		

Type: BS Lab ID: QC802182

Analyte	Spiked	Result	%REC	Limits	Analyzed
Antimony	100.0	103.0	103	79-120	09/04/15
Arsenic	100.0	97.31	97	80-120	09/04/15
Barium	100.0	95.65	96	80-120	09/04/15
Beryllium	100.0	97.46	97	80-120	09/04/15
Cadmium	100.0	98.38	98	80-120	09/04/15
Chromium	100.0	97.84	98	80-120	09/04/15
Cobalt	100.0	96.12	96	80-120	09/04/15
Copper	100.0	94.97	95	80-120	09/04/15
Lead	100.0	90.79	91	80-120	09/04/15
Molybdenum	100.0	96.02	96	80-120	09/04/15
Nickel	100.0	94.63	95	80-120	09/04/15
Selenium	100.0	95.94	96	80-120	09/04/15
Silver	100.0	96.53	97	77-120	09/04/15
Thallium	50.00	51.05	102	80-121	09/03/15
Vanadium	100.0	97.54	98	80-120	09/04/15
Zinc	100.0	97.01	97	80-120	09/04/15

Type: BSD Lab ID: QC802183

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	100.0	100.6	101	79-120	2	20	09/04/15
Arsenic	100.0	95.65	96	80-120	2	20	09/04/15
Barium	100.0	95.14	95	80-120	1	20	09/04/15
Beryllium	100.0	97.17	97	80-120	0	20	09/04/15
Cadmium	100.0	98.79	99	80-120	0	20	09/04/15
Chromium	100.0	98.13	98	80-120	0	20	09/04/15
Cobalt	100.0	95.48	95	80-120	1	20	09/04/15
Copper	100.0	95.40	95	80-120	0	20	09/04/15
Lead	100.0	89.54	90	80-120	1	20	09/04/15
Molybdenum	100.0	94.72	95	80-120	1	20	09/04/15
Nickel	100.0	96.32	96	80-120	2	20	09/04/15
Selenium	100.0	92.95	93	80-120	3	20	09/04/15
Silver	100.0	95.53	96	77-120	1	20	09/04/15
Thallium	50.00	49.28	99	80-121	4	20	09/03/15
Vanadium	100.0	97.73	98	80-120	0	20	09/04/15
Zinc	100.0	95.81	96	80-120	1	20	09/04/15

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	226798
MSS Lab ID:	269376-001	Sampled:	08/27/15
Matrix:	Filtrate	Received:	08/27/15
Units:	ug/L	Prepared:	09/02/15
Diln Fac:	1.000		

Type: MS Lab ID: QC802184

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analyzed
Antimony	<2.000	100.0	99.85	100	74-120	09/03/15
Arsenic	<1.657	100.0	99.50	100	80-127	09/04/15
Barium	15.34	100.0	118.0	103	80-120	09/03/15
Beryllium	0.8571	100.0	107.1	106	80-120	09/03/15
Cadmium	<1.000	100.0	90.69	91	80-120	09/04/15
Chromium	<1.000	100.0	98.95	99	80-120	09/03/15
Cobalt	<1.000	100.0	99.06	99	80-120	09/03/15
Copper	<1.171	100.0	90.81	91	80-120	09/03/15
Lead	<1.000	100.0	77.00	77	67-120	09/03/15
Molybdenum	3.695	100.0	110.8	107	80-120	09/03/15
Nickel	4.297	100.0	102.2	98	80-120	09/03/15
Selenium	4.304	100.0	131.7	127	73-132	09/03/15
Silver	3.520	100.0	112.6	109	67-120	09/03/15
Thallium	2.087	50.00	50.35	97	76-121	09/03/15
Vanadium	1.653	100.0	110.3	109	80-120	09/03/15
Zinc	<4.000	100.0	92.76	93	80-122	09/04/15

Type: MSD Lab ID: QC802185

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	100.0	98.67	99	74-120	1	24	09/03/15
Arsenic	100.0	97.26	97	80-127	2	25	09/04/15
Barium	100.0	114.7	99	80-120	3	20	09/03/15
Beryllium	100.0	106.8	106	80-120	0	20	09/03/15
Cadmium	100.0	90.08	90	80-120	1	20	09/04/15
Chromium	100.0	97.50	97	80-120	1	20	09/03/15
Cobalt	100.0	96.59	97	80-120	3	20	09/03/15
Copper	100.0	91.02	91	80-120	0	20	09/03/15
Lead	100.0	75.92	76	67-120	1	23	09/03/15
Molybdenum	100.0	107.4	104	80-120	3	20	09/03/15
Nickel	100.0	98.36	94	80-120	4	20	09/03/15
Selenium	100.0	127.1	123	73-132	4	30	09/03/15
Silver	100.0	111.8	108	67-120	1	22	09/03/15
Thallium	50.00	51.40	99	76-121	2	20	09/03/15
Vanadium	100.0	108.0	106	80-120	2	20	09/03/15
Zinc	100.0	92.51	93	80-122	0	20	09/04/15

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Hexavalent Chromium

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 7196A
Analyte:	Hexavalent Chromium	Batch#:	226779
Field ID:	MW-9	Sampled:	09/01/15 15:55
Matrix:	Water	Received:	09/01/15
Units:	mg/L	Analyzed:	09/02/15 10:30

Type	Lab ID	Result	RL	Diln Fac
SAMPLE	269496-002	12	1.0	100.0
BLANK	QC802091	ND	0.01	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Hexavalent Chromium

Lab #:	269496	Location:	Francis Plating
Client:	The Source Group, Inc.	Prep:	METHOD
Project#:	01-SSG-001	Analysis:	EPA 7196A
Analyte:	Hexavalent Chromium	Batch#:	226779
Field ID:	MW-9	Sampled:	09/01/15 15:55
MSS Lab ID:	269496-002	Received:	09/01/15
Matrix:	Water	Analyzed:	09/02/15 10:30
Units:	mg/L		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac
LCS	QC802092		1.000	0.9180	92	90-110			1.000
MS	QC802093	11.70	100.0	102.4	91	85-115			100.0
MSD	QC802094		100.0	102.4	91	85-115	0	23	100.0

RPD= Relative Percent Difference