SGI environmental
THE SOURCE GROUP, INC.

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By Alameda County Environmental Health at 2:18 pm, Aug 07, 2013

August 2, 2013

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: Soil Gas, Sub-Slab Vapor, and Indoor Air Investigation Report
Former Francis Plating Site, 751-785 7th Street, Oakland, California

Dear Mr. Wickham:

Enclosed please find the Soil Gas, Sub-Slab, and Indoor Air Investigation Report (Report) for the Former Francis Plating Site. The Report presents details regarding investigation activities and laboratory results, and provides conclusions and recommendations based on the results of the investigation. Based on soil gas data and empirical indoor air data, soil vapor and indoor air concentrations do not exceed ESLs. SGI recommends preparing a simple risk management plan to ensure that the current cap on the Site remains in place and that any breach of the cap or exposure to residual contaminants in the soil are performed in a manner that does not expose users of the Site or construction workers to unacceptable health risks.

With respect to earlier discussions of division of the large parcel, the administrative aspects of the parcel split, (shown on Figures 2, 3, 4, 5, and 7 of the Report), is almost complete. After your review of the report we would appreciate the opportunity to discuss process and option details as they pertain to gaining an NFA on the eastern parcel and enabling focused attention on the western parcel (the parcel with the former "Frog Pond").

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 (925) 951-6386.

Sincerely,
The Source Group, Inc.

Matthew C. Sutton, P.E.
Project Manager

Cc: Tom McCoy, The Brush Street Group, LLC

Enclosure

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SOIL GAS, SUB-SLAB VAPOR, AND INDOOR AIR INVESTIGATION REPORT

Former Francis Plating Site
751-785 7th Street, Oakland, California

01-FP-001

Prepared For:

The Brush Street Group LLC
1155 Third Street, Suite 230
Oakland, California 94607

Prepared By:

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August 2, 2013

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Project Manager

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1.0 INTRODUCTION

The Source Group, Inc. (SGI), on behalf of The Brush Street Group, LLC (Brush Street Group), is submitting this Soil Gas, Sub-Slab Vapor, and Indoor Air Investigation Report (Report) for the Former Francis Plating Site located at 751-785 7th Street, Oakland, California (Site) (Figures 1 and 2). SGI performed the investigation in accordance with the *Revised Work Plan for Soil Gas and Sub-Slab Vapor Investigations* prepared by BASELINE Environmental Consulting (BASELINE, 2012c). The objective of the investigation was to further characterize soil gas and sub-slab vapor concentrations at the Site as well as evaluate potential health risks for users of onsite and adjacent commercial buildings.

Previous soil gas investigations at the Site include a 2009 subsurface investigation performed by P&D Environmental (P&D, 2009) and a soil gas and sub-slab vapor survey performed by in 2011 and 2012 (BASELINE, 2012a). These investigations indicated the presence of volatile organic compound (VOC) concentrations in the shallow soil gas at the Site.

In order to further characterize the soil gas and sub-slab vapor conditions at the Site, SGI oversaw the installation of three dual-nested soil gas probes along the southern property line and two sub-slab vapor probes within the former plating shop. Samples were collected from these points and from an existing sub-slab vapor probe between May 1 and 8, 2013. The results from these samples are provided in Tables 1 and 2, and are discussed further in Section 3.5.

Due to inconclusive results from the sub-slab vapor samples, SGI completed additional sub-slab and indoor air sampling on June 12, 2013. The results of these samples are provided in Tables 3 and 4, and are discussed further in Section 4.2.

2.0 SITE BACKGROUND

The Site was operated as a plating facility from approximately 1957 to 1998. In 1998, the property was found to be abandoned along with chemicals and equipment on Site. As part of an emergency response action, the U.S. Environmental Protection Agency (U.S. EPA) removed abandoned chemicals and equipment, and excavated shallow soil in areas without asphalt or concrete coverings. In 2003, the current owner, Brush Street Group, LLC, acquired the property.

The Site is currently occupied by the Kinetic Arts Center, a circus and fitness facility. This facility operates within the existing building in the northeastern corner of the property. The remaining property is covered by concrete or asphalt, with the exception of an exposed strip of soil along the western property line and small landscaped areas along Brush Street.

Numerous Site investigations have been conducted at the Site. A Conceptual Site Model (CSM) prepared by BASELINE in 2012 was presented in the *Conceptual Site Model and Work Plan: Sub-Slab Vapor Investigation* (BASELINE, 2012b). The CSM discusses in further detail the previous investigations conducted at the Site.

3.0 INITIAL SOIL GAS AND SUB-SLAB VAPOR INVESTIGATION ACTIVITIES

The initial soil gas and sub-slab vapor investigation activities at the Site were conducted in accordance with the *Revised Work Plan for Soil Gas and Sub-Slab Vapor Investigation* dated September 21, 2012. The Work Plan was approved by Alameda County Environmental Health (ACEH) in a letter dated November 8, 2012 (Appendix A). The work was completed to further characterize soil gas and sub-slab conditions at the Site and to determine the potential health risk for users of both on Site and adjacent commercial buildings.

3.1 Pre-Field Activities

Prior to investigative activities at the Site, applications to install soil gas probes and sub-slab vapor points were prepared and submitted along with appropriate fees to the Alameda Count Public Works Agency (ACPWA). Copies of well permits are included in Appendix B. Access to the building on Site was coordinated with Brush Street Group and the current tenant.

The following pre-field activities were performed prior to each mobilization. Site visits were performed to mark the locations of the proposed borings at the Site. Following the Site visits, Underground Services Alert (USA) was notified of the drilling activities as required. Results of the utility locating by USA were reviewed and the final locations of the soil gas and sub-slab soil vapor points were selected.

3.2 Soil Gas and Sub-Slab Vapor Point Installation

The first phase of the investigation activities included the installation of three soil gas wells and two sub-slab vapor points at the Site. SGI contracted Vironex, Inc. (Vironex) to advance borings and install all points. These installations were completed on April 19, 2013.

3.2.1 Soil Gas Probe Installation

On April 19, 2013, SGI personnel directed Vironex to advance three shallow soil borings for the installation of permanent dual-nested soil gas points in each boring. Permanent soil gas probes were chosen so that changes in soil gas concentrations could be evaluated over time. In order to evaluate soil gas concentration variances with depth and soil type, two probes were installed at each location. One probe was installed within the Merritt sand, which had historically been found to be 3 to 5 feet below ground surface (bgs); the other was installed in the fill material above the Merritt Sand. Due to the low permeability of the Merritt Sand, the lower probe was installed in a larger than traditional sand pack, ideally 3 feet, where possible. The upper probes in the fill material were set in a traditional one foot sand pack. In order to create a seal between the two depths, the lower sand packs were covered by 6 inches of dry granular bentonite followed by hydrated bentonite that straddled the interface between the two materials. The upper sand packs were covered by 6 inches of dry bentonite and backfilled with grout.

The probes installed consisted of one inch stainless steel probe tips attached to 1/4-inch Teflon™ tubing. The tubing was extended approximately 6 inches beyond the top of the well, and a brass fitting was attached to the end of each to allow for connection to the sampling apparatus. The wells were each completed with a 6-inch well box.

Prior to advancing each boring, the concrete surface was cored by Vironex, and the borings were advanced using a hand auger. Soil was logged to determine the depth to the fill-Merritt Sand interface and to determine the probe depths at each point. Logs and well construction details for each of the three soil gas borings are provided in Appendix C.

SG-07 was installed in the southwest corner of the property (Figure 2). The soil in the initial borehole for SGI-07 became saturated at approximately 4.5 feet bgs, so the borehole was backfilled and the location was moved to the east approximately 10 feet. At the second location, the fill-Merritt Sand interface was found at 3 feet 7 inches; saturated soil was once again found at 4.5 feet bgs. The well was constructed despite the moisture in the borehole. Dry bentonite was added to the hole to absorb moisture, and the lower probe was installed at 4 feet bgs in an approximately one foot sand pack. The upper probe was placed at 2.5 feet bgs in a one foot sand pack.

SG-08 was installed along the southern property line near the southwest corner of the building (Figure 2). The fill-Merritt Sand interface was discovered at 3.75 feet bgs, and the borehole was advanced by hand an additional 4 feet to 7.75 feet bgs. The lower probe was installed at 6 feet 2 inches within a 3 foot sand pack. The upper probe was installed at 3 feet bgs within a 1 foot sand pack.

SG-09 was installed south of the front door of the building (Figure 2). The fill-Merritt Sand interface was located at 3 feet bgs, and a sandy clay was discovered at 4 feet 7 inches bgs. This clay, which was not anticipated based on previous Site investigations, continued to the total borehole depth of 6 feet 1 inch. The lower vapor probe was placed at 4 feet 7 inches bgs within a 2 foot sand pack. The upper probe was placed at 2.5 feet bgs within a 10 inch sand pack.

The three soil gas wells were allowed to equilibrate beyond the minimum DTSC recommended 48 hours prior to sampling (DTSC, 2011).

3.2.2 Sub-Slab Vapor Probe Installation

Subsequent to installing the soil gas points, Vironex. installed two sub-slab soil vapor probes within the building. One vapor probe, Sub-Slab 2, was installed near the center of the building's foundation over the former containment vault. The other, Sub-Slab 3, was installed near the west wing of the building. The locations of these points are depicted in Figure 2.

Installation of the sub-slab probes was performed by using of rotary hammer to drill a 1.25 inch hole approximately 1/8 inch deep, followed by a 1-inch hole through the remainder of the 6-inch concrete slab. The holes were then advanced an additional 3 inches below the slab into fill material. A vapor probe kit, including a 3-inch stainless steel permeable probe and ¼-inch

stainless steel tubing, was installed at each location. The top of the probe tip was installed slightly below the slab. The annular space around the permeable tip was filled with sand, and then topped with dry bentonite to reach just past the base of the concrete slab. The remaining annular space was filled with bentonite grout. The sub-slab point was then capped with a stainless steel plug that screwed into the probe. A stainless steel ball valve that screwed into the port was provided by Vironex for sample collection purposes.

The points were allowed to equilibrate for well over the two hours recommended by the DTSC Guidance (DTSC, 2011).

3.3 Soil Gas and Sub-Slab Vapor Point Sampling

Initial sampling of the installed soil gas wells and sub-slab soil vapor points was performed on May 1 and 8, 2013. Sampling activities were carried out according to the Work Plan.

3.3.1 Soil Gas Well Sampling

The three soil gas wells (SG-07, SG-08, SG-09) were sampled on May 1, 2013. Both the shallow and deep probes were sampled at each of the three wells. Soil gas samples were collected from each location using a 1-liter SUMMA™ canister provided by Torrent Laboratory, Inc. (Torrent). The canisters came with manifolds equipped with flow regulators that limited the flow to less than 200 milliliters per minute (mL/min). The manifolds connected directly to the SUMMA™ canisters, sample points, and purge canister via Teflon™ tubing.

Leak detection during sampling was conducted using a helium tracer shroud. The helium tracer was used as a quality control measure during sampling. During sampling, a concentration of 20 percent helium was maintained around the sampling train and above the sample probe by positioning a shroud over the soil gas probe. Helium concentrations were monitored using a helium detector and adjusted as needed throughout sampling. As part of the laboratory analysis for each sample, helium was included in the list of constituents analyzed.

Prior to sampling, soil vapor sampling probes were purged to ensure that stagnant or ambient air was removed from the sampling system and to ensure that samples collected were representative of subsurface conditions. Approximately three volumes of the sampling system were purged through the manifold into a purge canister by opening the manifold valve to the purge canister and then opening the canister valve. After the purging was complete, samples were collected in the 1-liter SUMMA™ canisters by opening the valve on the 1-liter SUMMA™ sample canister. During sampling, helium concentrations and SUMMA™ canister vacuum were monitored and recorded on field measurement logs.

Following collection of each sample, the canister valve was closed and the sample container was prepared for delivery to the laboratory for analyses. The sample containers were labeled with sample point identification, date, and time of collection. The samples were relinquished under chain-of-custody documentation to Torrent for analysis by EPA method TO-15 for VOCs and by ASTM D1946 for helium.

3.3.2 Sub-Slab Vapor Sampling

The three sub-slab vapor points in the building were sampled on May 8, 2013, including the two points installed by SGI (Sub-Slab 2 and Sub-Slab 3) and an existing point (Sub-Slab 1) located in the southeast corner of the building. Sub-slab samples from each point were collected using a 1-liter SUMMA™ canister provided by Torrent. The canisters came with manifolds equipped with flow regulators that limited the flow to less than 200 milliliters per minute (mL/min).

Sub-Slab 1 was directly connected to the sampling manifold using a length of Teflon™ tubing with attached brass fittings. A stainless steel ball valve was screwed into the sample ports of Sub-Slab 2 and Sub-Slab 3 with Teflon™ tubing connecting the valve to the sampling manifold. The manifolds connected directly to the 1-liter SUMMA™ sampling canisters and purge canister via Teflon™ tubing.

Purging and helium leak detection procedures for sub-slab sampling were the same as for the soil gas sampling, as described in Section 3.3.1. Following collection of each sample, the canister valve was closed and the sample container was prepared for delivery to the laboratory for analyses. The sample containers were labeled with sample point identification, date, and time of collection. The samples were relinquished under chain-of-custody documentation to Torrent for analysis by EPA method TO-15 for VOCs and by ASTM D1946 for helium.

3.4 Waste Management

Soil cuttings from soil gas borings and sub-slab vapor probes were placed in properly labeled 55-gallon steel drums pending waste characterization.

3.5 Results of Initial Investigation Activities

3.5.1 Soil Gas Sample Results

As described in Section 3.3.1, soil gas sampling was conducted on May 1, 2013. Sample results for helium by ASTM D1946 are presented in Table 5, and results for VOCs by USEPA Method TO-15 are presented in Table 1.

Helium, the leak detection compound, was detected in all six of the soil gas samples, indicating ambient air leakage during sampling. To account for this leakage, a dilution factor (DF) was calculated using the concentration of helium in the sample and the average concentration of helium under the shroud during sampling:

DF = [Concentration of Helium in Sample (%)] / [Concentration of Helium in Shroud (%)]

The dilution factors for each sample are calculated in Table 5, and were then used to adjust the laboratory-reported VOC concentrations to account for the ambient air leakage:

Corrected concentrations ($\mu g/m^3$) = Reported concentration ($\mu g/m^3$) x [1 + DF]

DTSC guidance states that an ambient air leak of up to 5 percent is acceptable when a quantitative tracer is used under the sampling shroud (DTSC, 2012). Five of the samples had helium concentrations under 5 percent, and so the corrected concentrations are deemed acceptable. The shallow sample from soil gas well SV-07 (SV-07-2.5) had a helium concentration of 6.3 percent; therefore, the corrected concentration is reported in Table 1 as biased low.

As shown on Table 1, constituents detected above laboratory reporting limits in the soil gas samples included carbon disulfide, benzene, 1,1,1-trichloroethane (1,1,1-TCA), trichloroethylene (TCE), and tetrachloroethylene (PCE). The only constituent that exceeded the Environmental Screening Level (ESL) for residential land use (CRWQCB, 2013) was TCE, which was detected at 2,654 µg/m^3 and 2,293 µg/m^3 in the fill dirt and Lake Merritt sand probes at SG-07, respectively, and at 547 µg/m^3 in the fill dirt probe at SG-09. None of these concentrations exceed the ESL for commercial/industrial land use. Laboratory analytical reports are presented in Appendix E.

3.5.2 Sub-Slab Vapor Sample Results

As described in Section 3.3.2, sub-slab vapor sampling was conducted on May 8, 2013. Sample results for helium by ASTM D1946 are presented in Table 5, and for VOCs by USEPA Method TO-15 in Table 2.

Helium was detected in all three samples, and the laboratory results were corrected using the same method described in Section 3.5.1. Samples from Sub-Slab 1 and Sub-Slab 2 had helium concentrations below 5 percent and were deemed acceptable. The Sub-Slab 3 sample was reported to have a helium concentration of 29 percent. The VOC concentrations in that sample were adjusted as well, but are considered to be biased low.

As shown in Table 2, the samples collected from recently installed Sub-Slab 2 and Sub-Slab 3 vapor probes contained significantly higher VOC concentrations than the sample collected from the existing Sub-Slab 1 vapor probe. In order to estimate indoor air concentrations, the soil gas results were multiplied by an attenuation factor of 0.05 as recommended by the Cal/EPA DTSC (DTSC, 2011). These estimates, also provided in Table 2, indicated that indoor air concentrations of benzene, ethyl benzene, carbon tetrachloride, TCE, and PCE might be above both their residential and industrial indoor air ESLs, and that xylenes might be above the residential indoor air ESL (CRWQCB, 2013). Full laboratory analytical reports are presented in Appendix E.

3.5.3 Results of Initial Investigation

The results of the sub-slab vapor point sampling indicated a potential of indoor air quality impacts at the Site. However, the inconsistency between the VOC concentrations in the three sub-slab points indicated the need for additional sampling. After discussion with the property owner, the conclusion was reached that both Sub-Slab 2 and Sub-Slab 3 required resampling to verify the May results. Additionally, indoor air samples were also collected to obtain empirical data should the sub-slab data be consistent with initial sampling data.

4.0 ADDITIONAL SUB-SLAB VAPOR AND INDOOR AIR INVESTIGATION

Supplemental sampling was performed at the Site based on the initial sub-slab vapor sampling results. The additional samples included resampling of sub-slab vapor points Sub-Slab 2 and Sub-Slab 3, and sampling indoor air in two locations within the building on Site.

4.1 Sub-Slab Vapor Point Resampling and Indoor Air Sampling

The collection of additional sub-slab samples and indoor air samples was completed on June 12, 2013.

4.1.1 Sub-Slab Vapor Point Resampling

Samples were collected from sub-slab vapor points Sub-Slab 2 and Sub-Slab 3 on June 12, 2013 using 1-liter SUMMA™ canisters provided by Torrent. The method for sampling these points is described in Section 3.3.2. Following collection of each sample, the samples were relinquished under chain-of-custody documentation to Torrent for analysis by EPA method TO-15 for VOCs and by ASTM D1946 for helium.

4.1.2 Indoor Air Sampling

Two indoor air samples were collected from the building on Site on June 12, 2013. The approximate sample locations are shown in Figure 2. The first sample, Indoor Air 1 (IA1), was collected near the center of the building between the office area and the main instruction area for students. The second sample, Indoor Air 2 (IA2), was collected in the northwest corner of the building near the student lounge, kitchen, and storage areas.

During the sampling event, air samples were collected in 6-liter pre-evacuated, lab-certified SUMMA™ canisters with laboratory-calibrated flow controllers and particulate filters. All samples were collected over an eight-hour interval to simulate worker exposure. At the end of the eight-hour sampling period, the SUMMA™ canisters were closed tightly and relinquished under chain-of-custody to Torrent. The samples were analyzed by EPA method TO-15 using gas chromatography/mass spectrometry (GC/MS) in the Selective Ion Monitoring (SIM) acquisition mode.

4.2 Sub-Slab and Indoor Air Sampling Results

4.2.1 Sub-Slab Vapor Sample Results

Laboratory analytical results for the sub-slab samples collected on June 12, 2013 are presented in Table 3. As shown on the table, the sub-slab VOC concentrations from the June 12 samples were significantly lower than the samples previously collected, and more consistent to expected concentrations based on historical data collected from the Sub-Slab 1 location.

Helium was detected below 5 percent in both samples, and the laboratory results were corrected using the same method described in Section 3.5.1.

Indoor air concentrations were estimated based on the soil gas results as done for the May sub-slab results, and are provided in Table 3. These estimates indicated that indoor air concentrations of benzene, ethyl benzene, carbon tetrachloride, TCE, and PCE might be above applicable ESLs.

4.2.2 Indoor Air Sample Results

As described in Section 4.1.2, indoor air samples were collected from the building on Site on June 12, 2013. Laboratory analytical results for the indoor air samples are presented in Table 4, with full laboratory analytical reports presented in Appendix E.

As shown in Table 4, a variety of VOCs were detected in each of the indoor air samples, none of which exceed the industrial indoor air ESLs.

Specifically, the concentrations of the compounds that were calculated to potentially cause indoor air concentrations above their ESLs using the attenuation factor, benzene, ethyl benzene, carbon tetrachloride, TCE, and PCE, were all below the industrial ESLs.

5.0 DATA EVALUATION

Investigation activities at the Site were performed between April and June, 2013. These activities included the installation and sampling of three dual-nested soil gas points along the southern property line of the Site and two sub-slab vapor probes within the building. After inconsistent results from the first round of sampling, additional sub-slab vapor samples and indoor air samples were collected.

5.1 Laboratory Data Investigation

The laboratory analytical results from the May and June sub-slab vapor sampling events are provided in Table 2 and Table 3, respectively. Examination of the data revealed similar detection patterns in both data sets, but large discrepancies in the concentrations reported by the lab. Because of this, SGI requested that Torrent open a quality control investigation into each of the sets of samples.

After a thorough investigation, Torrent determined that the May samples from the Sub-Slab 2 and Sub-Slab 3 locations had been improperly reported. Dilution factors of 50X were applied to both samples, when the samples were actually analyzed at no dilution. This error resulted in constituents being reported 50 times higher than they were actually detected. The sample collected from Sub-Slab 1 was not subject to the error and was reported correctly. Torrent provided a revised laboratory analytical report for the May sampling event, which is provided in Appendix E. The revised May data is tabulated in Table 6.

5.2 Comparison to ESLs

The results of the soil gas, sub-slab soil vapor, and indoor air sampling were compared to the ESLs for commercial land use. The ESLs are based on the lowest chemical-specific value that would be expected to represent an adverse cancer or non-cancer health risk using conservative exposure limitations. The ESLs assume an unacceptable health risk to be an excess cancer risk over one in a million (10^{-6}) or a non-cancer Hazard Index over 0.2 (CRWQCB, 2013). If detected VOC concentrations exceed the applicable commercial/industrial ESLs, site-specific health risk calculations are required to determine if the health risk for the existing users is unacceptable.

5.2.1 Soil Gas Data

The analytical results from the May 2013 soil gas sampling event were compared to the applicable ESLs for shallow soil gas. None of the six samples, collected from soil gas wells SG-07, SG-08, and SG-09, were reported to contain any VOC above the applicable ESL.

5.2.2 Sub-Slab Vapor Data

The corrected May and June 2013 sub-slab vapor results from points Sub-Slab 1, Sub-Slab 2, and Sub-Slab3 were used to estimate indoor air concentrations within the building. An attenuation

factor of 0.05 was used to estimate indoor air concentrations from sub-slab vapor measurements collected during the initial round of sampling. This data is presented in Table 3 and Table 6. The estimated indoor air concentrations were above the commercial/industrial ESLs for benzene, carbon tetrachloride, TCE, and PCE during one or both of the sampling events. However, the laboratory data from indoor air samples collected in June 2013 supersede the estimated concentrations for risk evaluation purposes.

5.2.3 Indoor Air Data

Indoor air sample results from June 2013 were compared to the applicable commercial/industrial ESLs. As discussed in Section 4.2, none of the constituents detected in the indoor air samples exceeded the applicable commercial/industrial ESLs.

6.0 CONCLUSIONS AND RECOMMENDATIONS

This report documents the installation and sampling of soil gas points and sub-slab vapor probes, as well as indoor air sampling, performed to determine potential health risks associated with VOC contamination in the subsurface at the Site. The results of the investigation activities conducted at the Site in April, May, and June 2013 do not indicate that there is an unacceptable health risk to occupants of the building on Site or to occupants in downgradient commercial buildings.

Soil gas points and indoor air samples did not contain any VOC concentrations above the applicable per Work Plan ESLs. As such, site-specific health risk calculations were not performed.

Based on the soil gas data and empirical indoor air data, soil vapor and indoor air concentrations do not exceed ESLs. SGI recommends preparing a simple risk management plan to ensure that the current cap on the Site remains in place and that any breach of the cap or exposure to residual contaminants in the soil are performed in a manner that does not expose users of the Site or construction workers to unacceptable health risks.

7.0 REFERENCES

BASELINE Environmental Consulting (BASELINE). 2012a. Soil Gas Survey, 751-785 Seventh Street, Oakland, California. 6 March.

BASELINE. 2012b. Conceptual Site Model and Work Plan for Sub-Slab Vapor Investigation. June.

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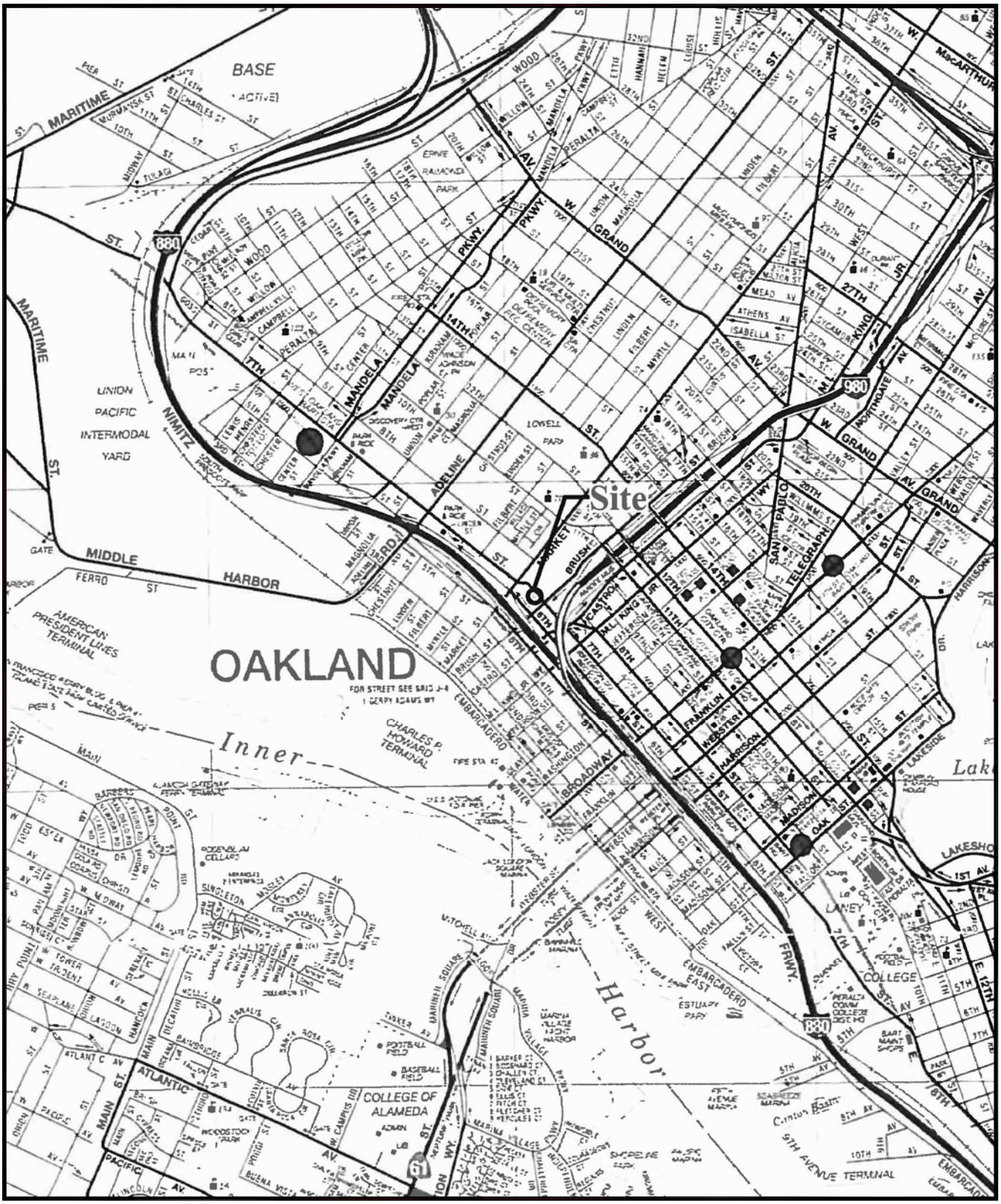
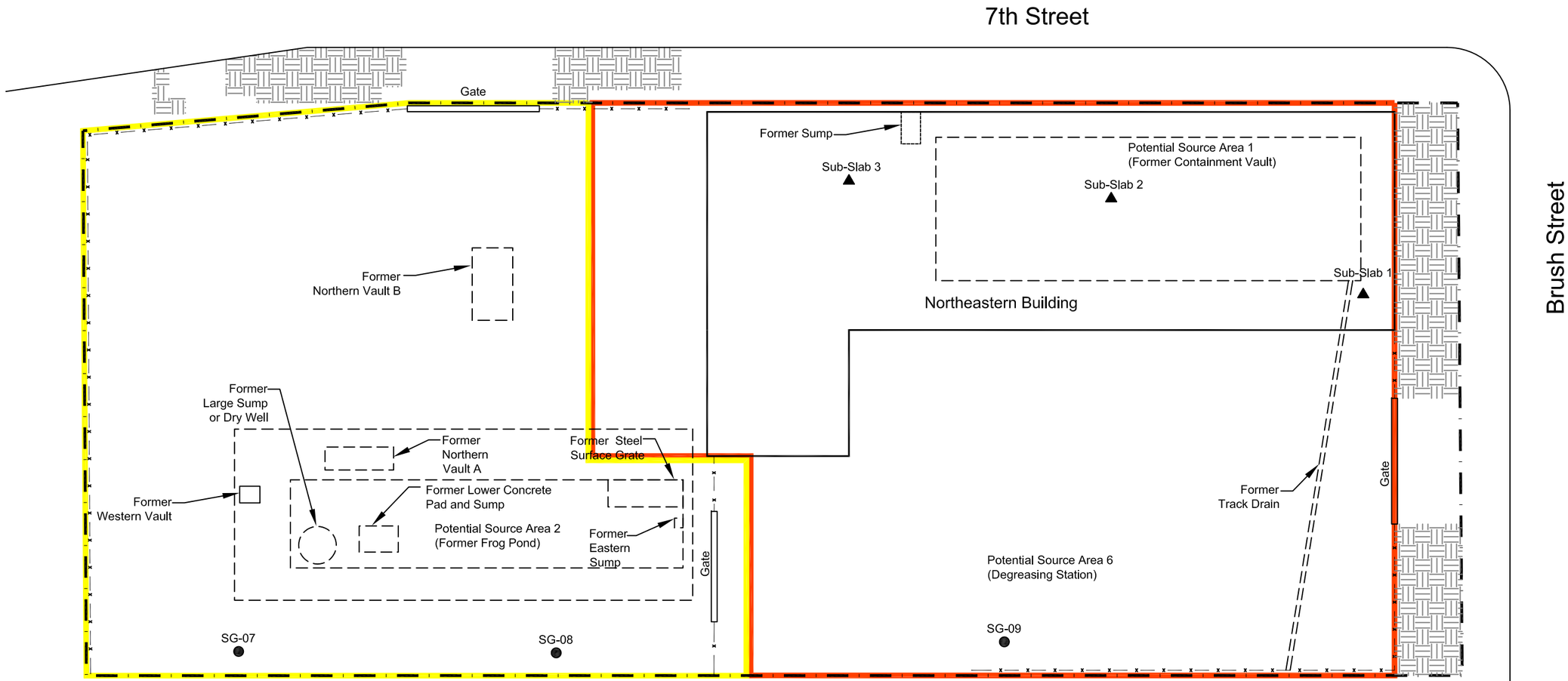
P&D Environmental (P&D). 2009. Subsurface Investigation Report, 601 Brush Street. 12 November.

Regional Water Quality Control Board – San Francisco Bay Region (SFRWQCB). 2007. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Interim Final. November. Revised May 2008.

FIGURES



SGI environmental THE SOURCE GROUP, INC. 3478 BURSKIRK AVENUE, SUITE 100 PLEASANT HILL, CA 94523	FORMER FRANCIS PLATING 751-785 SEVENTH STREET OAKLAND, CALIFORNIA			**SITE LOCATION MAP**	N
	PROJECT NO. 01-FP-001	DATE 07/15/2013	DR.BY: ZA	APP. BY: JH	0 200 400 HORIZONTAL SCALE IN FEET
					FIGURE 1



LEGEND

SG-09 — Soil Gas Sample location

Sub-Slab 2 — Sub Slab Sample Location

Exposed Soil Area

Location of Historical Features Since Removed or Sealed and Capped

Site Boundary

Fence

Tentative Parcel 1 Boundary

Tentative Parcel 2 Boundary

FORMER FRANCIS PLATING SITE
751-785 BRUSH STREET
OAKLAND, CA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-001	07/15/2013	ZA	MC

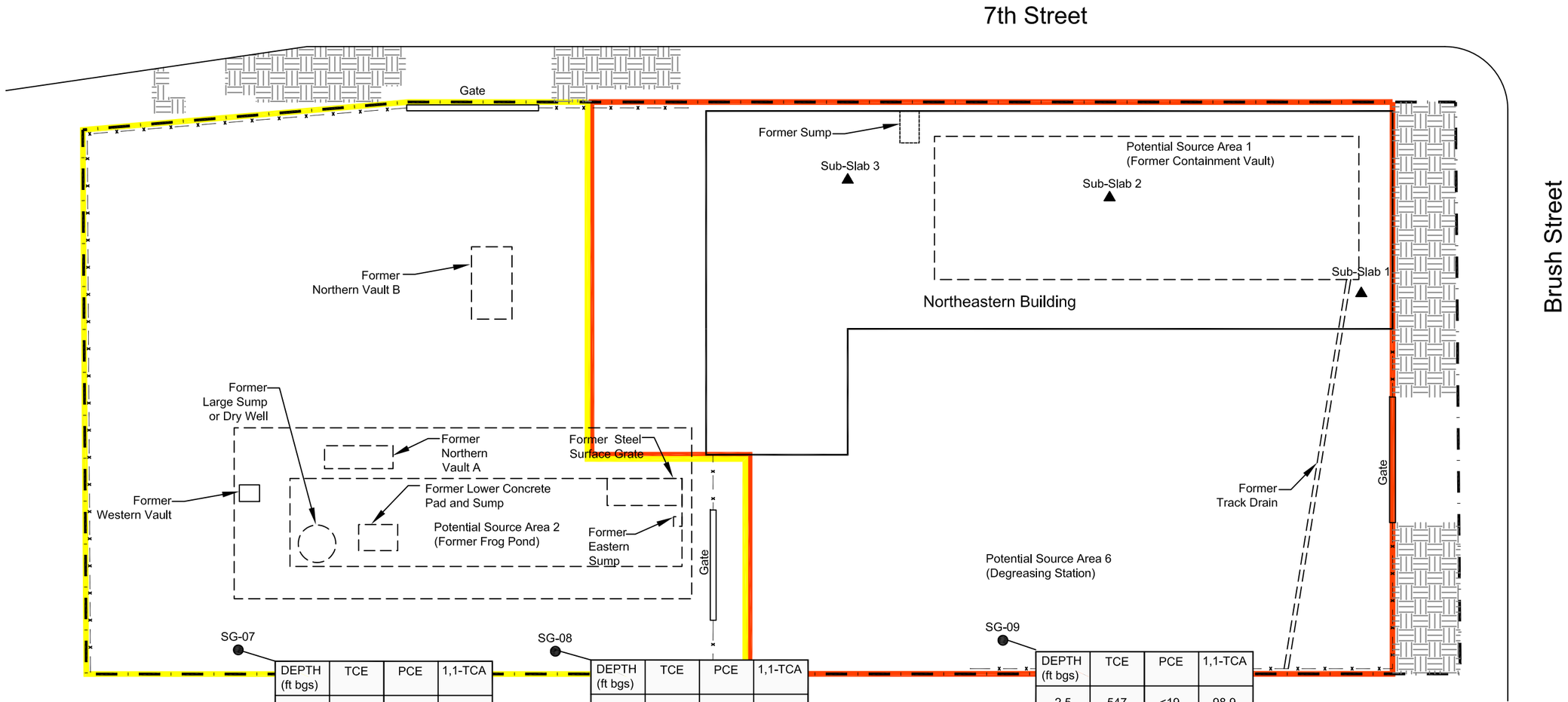
0 20 40
HORIZONTAL SCALE IN FEET

SITE PLAN AND SAMPLING LOCATIONS MAP

SGI environmental
THE SOURCE GROUP, INC.
3478 BUSKIRK AVENUE, SUITE 100
PLEASANT HILL, CA 94523

N

FIGURE 2



DEPTH (ft bgs)	TCE	PCE	1,1-TCA
2.5	2654	95.4	<2.8
4	2293	<95	<77

DEPTH (ft bgs)	TCE	PCE	1,1-TCA
3.0	254	13.4	25.1
6.2	240	13.3	29.2

DEPTH (ft bgs)	TCE	PCE	1,1-TCA
2.5	547	<19	98.9
4.6	237	<3.4	77.5

LEGEND

- SG-09 — Soil Gas Sample location
- Sub-Slab 2 — Sub Slab Sample Location
- Site Boundary
- Fence
- Exposed Soil Area
- Location of Historical Features Since Removed or Sealed and Capped
- Tentative Parcel 1 Boundary
- Tentative Parcel 2 Boundary

TCE	Trichloroethene
PCE	Tetrachloroethene
1,1,1-TCA	1,1,1-Trichloroethane
ft bgs	Feet Below Ground Surface
<77	Compound Not Detected at or Above Laboratory Reporting Results

Notes:

1. Laboratory reported results were adjusted to account for ambient air leakage during sampling. See report text for detail.
2. All concentration reported in micrograms per cubic meter (µg/m³)

FORMER FRANCIS PLATING SITE
751-785 BRUSH STREET
OAKLAND, CA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-001	07/15/2013	ZA	MC

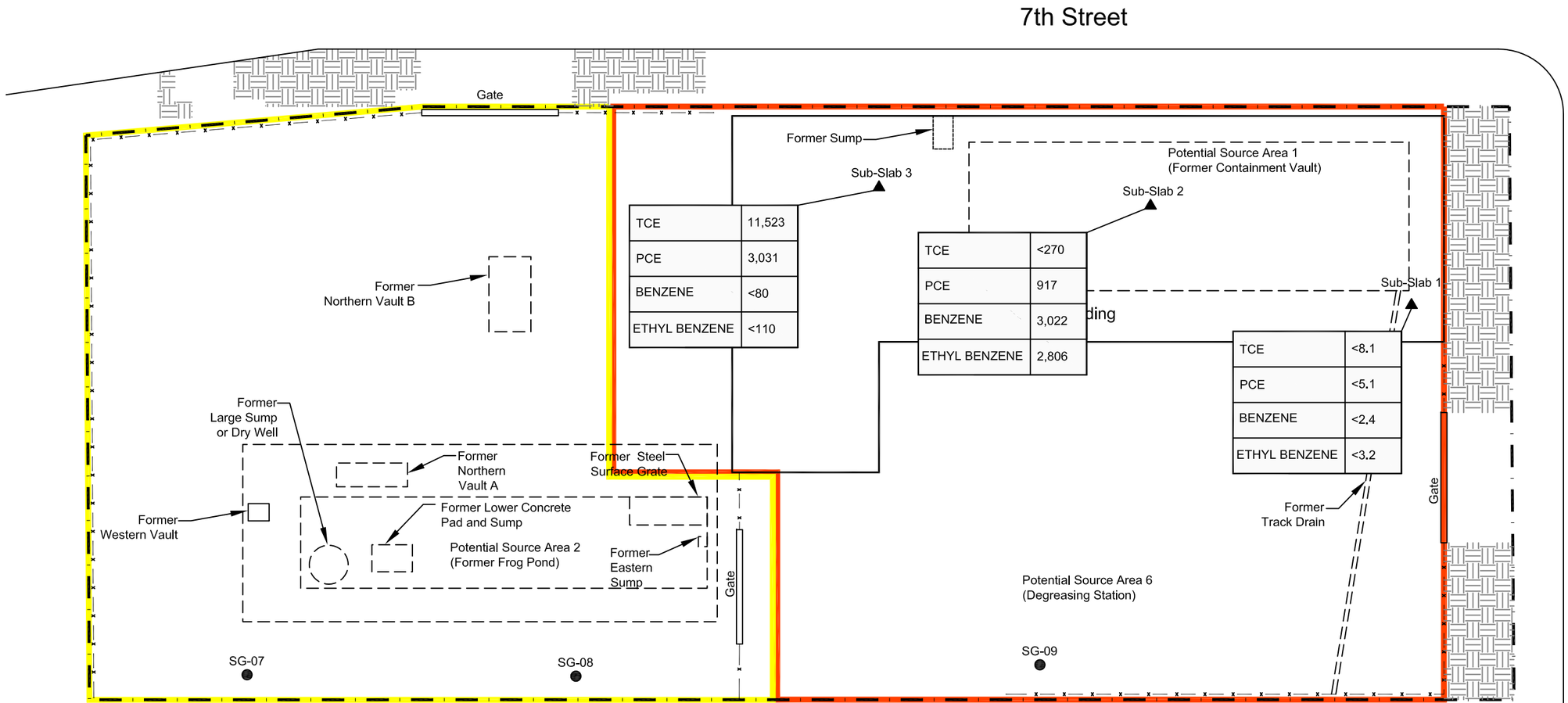
0 20 40
HORIZONTAL SCALE IN FEET

SOIL GAS SAMPLE RESULTS- MAY 2013

THE SOURCE GROUP, INC.
environmental
3478 BUSKIRK AVENUE, SUITE 100
PLEASANT HILL, CA 94523

N

FIGURE 3



LEGEND

SG-09	Soil Gas Sample location		Exposed Soil Area
Sub-Slab 2	Sub Slab Sample Location		Location of Historical Features Since Removed or Sealed and Capped
	Site Boundary		Tentative Parcel 1 Boundary
	Fence		Tentative Parcel 2 Boundary

TCE	Trichloroethene
PCE	Tetrachloroethene
1,1,1-TCA	1,1,1-Trichloroethane
ft bgs	Feet Below Ground Surface
<80	Compound Not Detected at or Above Laboratory Reporting Results

Notes:

1. Laboratory reported results were adjusted to account for ambient air leakage during sampling. See report text for detail.
2. All concentration reported in micrograms per cubic meter (µg/m³)

FORMER FRANCIS PLATING SITE
751-785 BRUSH STREET
OAKLAND, CA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-001	07/15/2013	ZA	MC

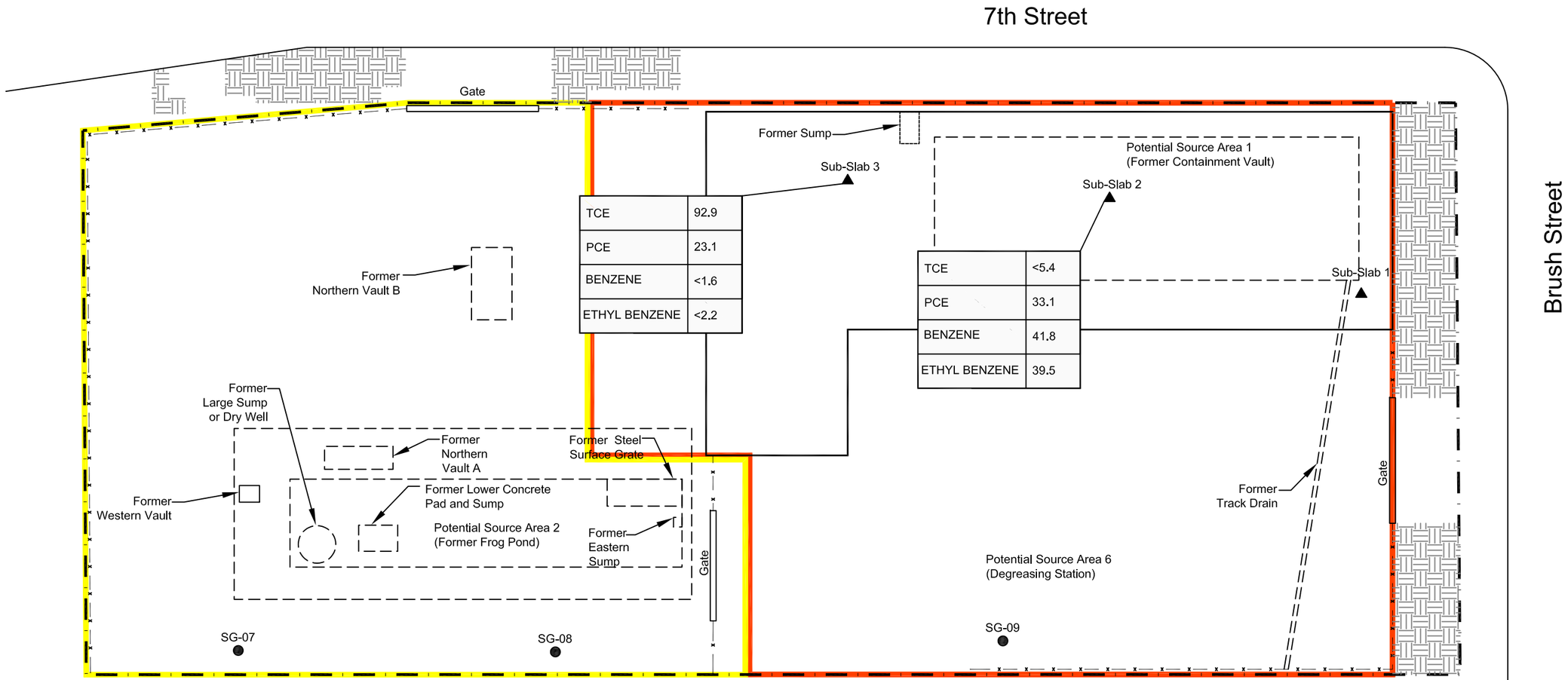
0 20 40
HORIZONTAL SCALE IN FEET

SUB-SLAB VAPOR RESULTS- MAY 2013

SGI environmental
THE SOURCE GROUP, INC.
3478 BUSKIRK AVENUE, SUITE 100
PLEASANT HILL, CA 94523

N

FIGURE 4



LEGEND

SG-09	Soil Gas Sample location	Exposed Soil Area	
Sub-Slab 2	Sub Slab Sample Location	Location of Historical Features Since Removed or Sealed and Capped	
	Site Boundary	Tentative Parcel 1 Boundary	
	Fence	Tentative Parcel 2 Boundary	

TCE	Trichloroethene
PCE	Tetrachloroethene
1,1,1-TCA	1,1,1-Trichloroethane
ft bgs	Feet Below Ground Surface
<1.6	Compound Not Detected at or Above Laboratory Reporting Results

Notes:

1. Laboratory reported results were adjusted to account for ambient air leakage during sampling. See report text for detail.
2. All Concentration reported in micrograms per cubic meter (µg/m³)

FORMER FRANCIS PLATING SITE
751-785 BRUSH STREET
OAKLAND, CA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-001	07/15/2013	ZA	MC

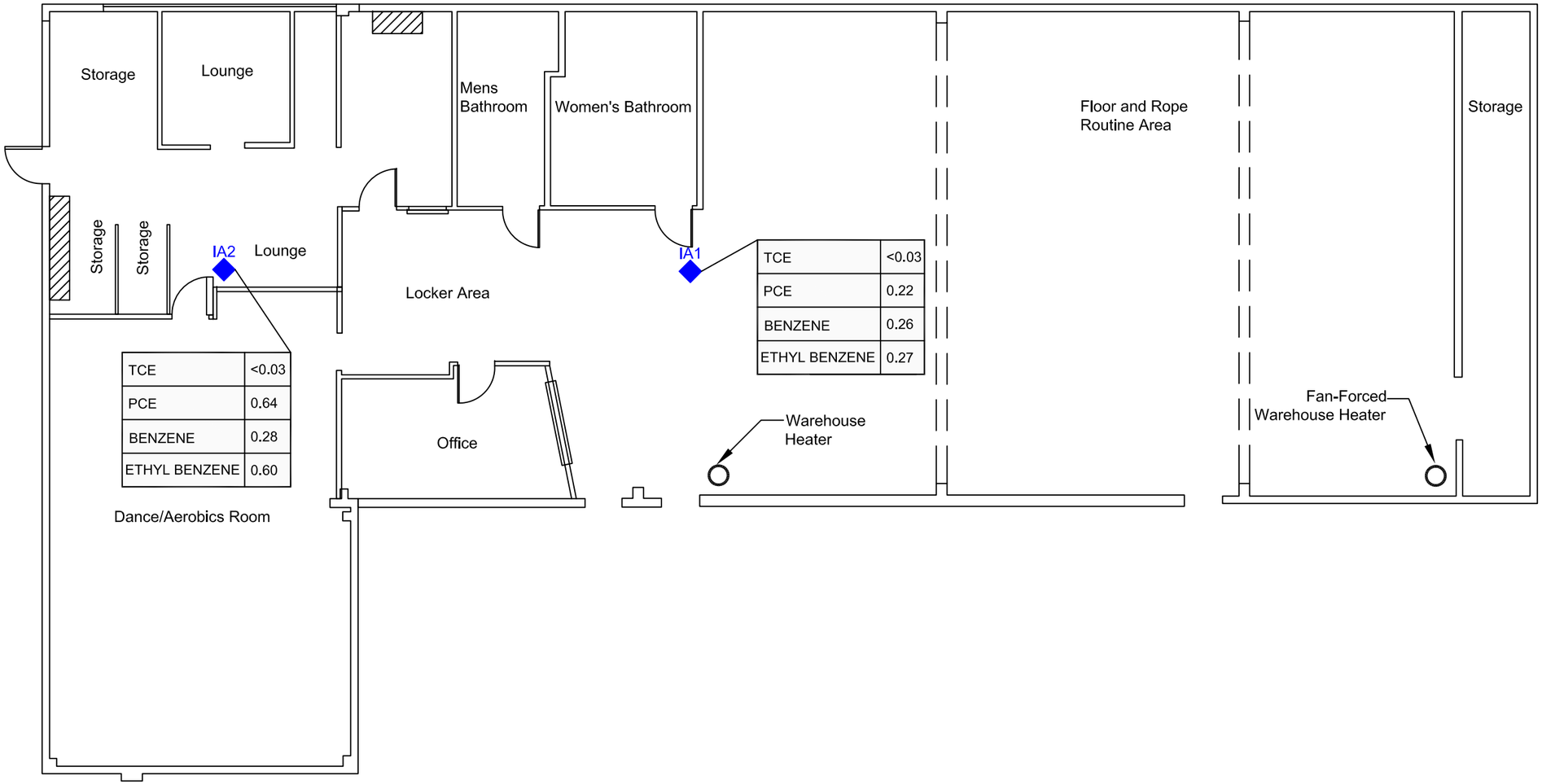
0 20 40
HORIZONTAL SCALE IN FEET

SUB-SLAB VAPOR RESULTS- JUNE 2013

THE SOURCE GROUP, INC.
3478 BUSKIRK AVENUE, SUITE 100
PLEASANT HILL, CA 94523

N

FIGURE 5



LEGEND

IA2 — Indoor Air Sampling Location

Chemical Storage Area

TCE — Trichloroethene

PCE — Tetrachloroethene

<0.03 — Compound Not Detected at or Above Laboratory Reporting Results

Note:

1. All concentration reported in micrograms per cubic meter (µg/m³)

FORMER FRANCIS PLATING SITE
751-785 BRUSH STREET
OAKLAND, CA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-001	07/15/2013	ZA	MC

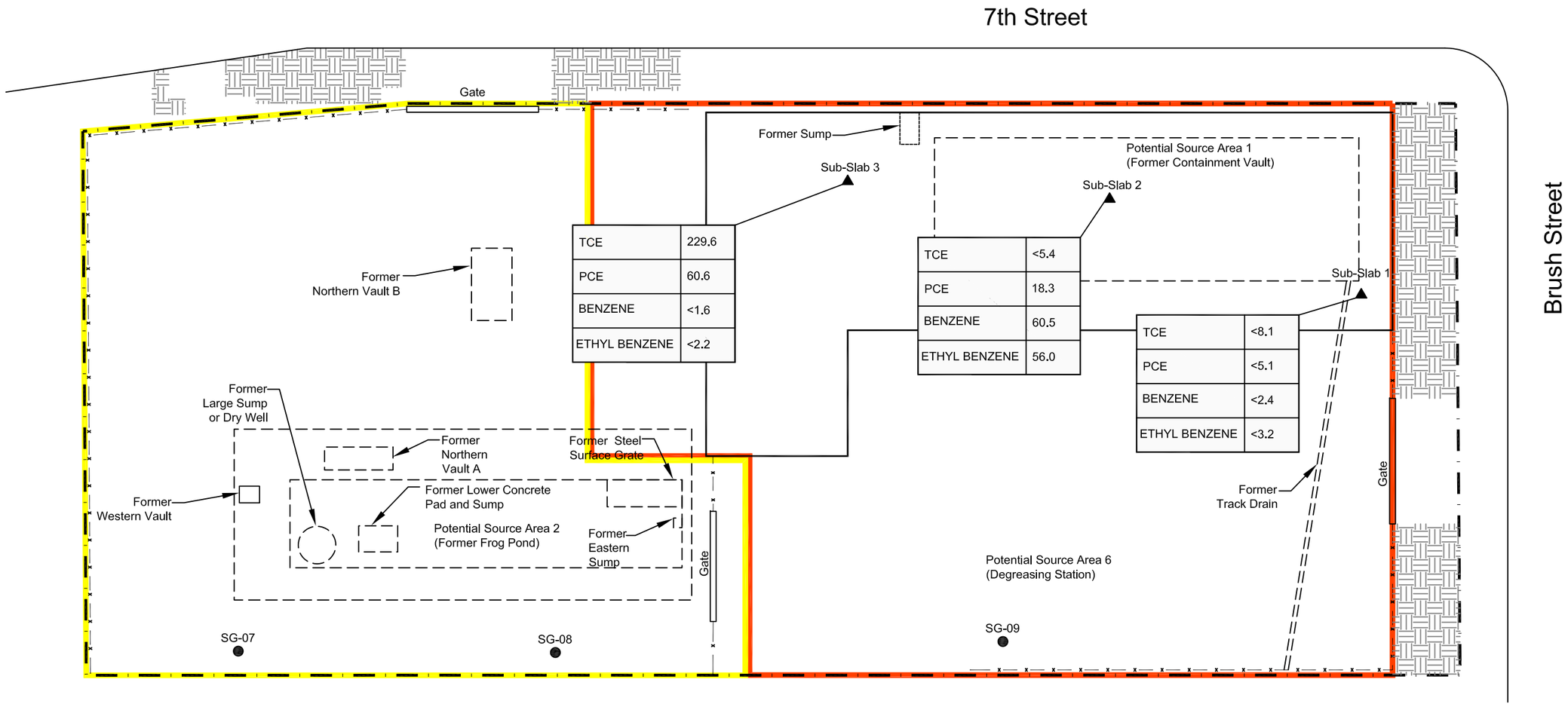
0 10 20
HORIZONTAL SCALE IN FEET

BUILDING DETAILS AND INDOOR AIR SAMPLE RESULTS - JUNE 2013

SGI environmental
THE SOURCE GROUP, INC.
3478 BUSKIRK AVENUE, SUITE 100
PLEASANT HILL, CA 94523

N

FIGURE 6



LEGEND

SG-09	Soil Gas Sample location
Sub-Slab 2	Sub Slab Sample Location
	Site Boundary
	Fence
	Exposed Soil Area
	Location of Historical Features Since Removed or Sealed and Capped
	Tentative Parcel 1 Boundary
	Tentative Parcel 2 Boundary

TCE	Trichloroethene
PCE	Tetrachloroethene
1,1,1-TCA	1,1,1-Trichloroethane
ft bgs	Feet Below Ground Surface
<19	Compound Not Detected at or Above Laboratory Reporting Results

Notes:

1. Laboratory reported results were adjusted to account for ambient air leakage during sampling. See report text for detail.
2. All concentration reported in micrograms per cubic meter (µg/m³)

FORMER FRANCIS PLATING SITE
751-785 BRUSH STREET
OAKLAND, CA

PROJECT NO.	DATE	DRAWN BY:	APP. BY:
01-FP-001	07/15/2013	ZA	MC

0 20 40
HORIZONTAL SCALE IN FEET

REVISED SUB-SLAB VAPOR RESULTS- MAY 2013

SGI environmental
THE SOURCE GROUP, INC.
3478 BUSKIRK AVENUE, SUITE 100
PLEASANT HILL, CA 94523

N

FIGURE 7

TABLES

Table 1
Soil Gas Sample Results - May 2013
Former Francis Plating
785 7th St., Oakland, California

Analyte	SV-07-2.5 [2]	SV-07-4.0	SV-08-3.0	SV-08-6.2	SV-09-2.5	SV-09-4.6	Soil Gas ESLs[1]	
							Residential Land Use	Industrial Land Use
As-Reported Results								
Carbon Disulfide	< 3.1	< 87	< 3.1	**11.9**	< 17	< 3.1	NA	NA
Benzene	< 1.6	< 45	< 1.6	**4.87**	< 8.8	< 1.6	42	420
1,1,1-Trichloroethane (1,1,1-TCA)	< 2.8	< 77	**22.5**	**25.5**	**86.5**	**70.1**	2,600,000	22,000,000
Trichloroethylene (TCE)	**2030**	**2160**	**228**	**209**	**479**	**214**	300	3000
Tetrachloroethylene (PCE)	**73.0**	< 95	**12.0**	**11.6**	< 19	< 3.4	210	2100
Adjusted Results [3]								
Carbon Disulfide	< 3.1	< 87	< 3.1	**13.6**	< 17	< 3.1	NA	NA
Benzene	< 1.6	< 45	< 1.6	**5.6**	< 8.8	< 1.6	42	420
1,1,1-Trichloroethane (1,1,1-TCA)	< 2.8	< 77	**25.1**	**29.2**	**98.9**	**77.5**	2,600,000	22,000,000
Trichloroethylene (TCE)	**2654**	**2293**	**254**	**240**	**547**	**237**	300	3000
Tetrachloroethylene (PCE)	**95.4**	< 95	**13.4**	**13.3**	< 19	< 3.4	210	2100

Notes:

All results given in micrograms per cubic meter ($\mu g/m^3$)

Values reported above the laboratory reporting limits are shown in **bold**

Note 1 = California Regional Water Quality Control Board, San Francisco Bay Area Region, February 2013, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Summary Table E.*

Note 2 = Helium was found in sample SV-07-2.5 above the 5 percent deemed acceptable by the Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board, and San Francisco Regional Water Quality Control Board, April 2012, *Advisory Active Soil Gas Investigations.* As such, all adjusted VOC results are biased low.

Note 3 = Laboratory-reported results were adjusted to account for ambient air leakage using the dilution factors (DF) calculated in Table 5. The as-reported results were multiplied by (1 + DF) to calculate the adjusted result.
Gas Investigations. As such, all adjusted VOC results are biased low.

ESLs = Environmental Screening Levels

VOC = Volatile Organic Compounds

< x.x = Compound was not identified above the laboratory reporting limit of x.x.

Table 2
Sub-Slab Vapor Results - May 2013
Former Francis Plating
785 7th St., Oakland, California

Analyte	Sub-Slab Sample Results - As-Reported			Sub-Slab Sample Results - Adjusted[1]			Estimated Indoor Air Concentrations[2]			Indoor Air ESL[3]	
	Sub-Slab1	Sub-Slab2	Sub-Slab3[4]	Sub-Slab1	Sub-Slab2	Sub-Slab3[4]	Sub-Slab1	Sub-Slab2	Sub-Slab3[4]	Residential Ambient and Indoor Air	Industrial Ambient and Indoor Air
1,1-Dichloroethene	< 3.0	**2200**	< 100	< 2.0	**2374**	< 68	< 0.1	**118.72**	< 3.4	210	880
Acetone	**5.22**	**1810**	< 960	**6.27**	**1954**	< 960	**0.31**	**97.68**	< 48.0	32000	140000
Hexane	< 2.6	**7630**	< 88	< 2.6	**8235**	< 88	< 0.1	**411.76**	< 4.4	NA	NA
tert-Butanol	< 13	**2560**	< 420	< 13	**2763**	< 420	< 0.7	**138.15**	< 21.0	NA	NA
Carbon Tetrachloride	< 4.7	**554**	< 160	< 4.7	**598**	< 160	< 0.2	**29.90**	< 8.0	0.058	0.29
1,1,1-Trichloroethane	< 4.1	**4200**	**4750**	< 4.1	**4533**	**10587**	< 0.2	**226.66**	**529.34**	5200	22000
2-Butanone (MEK)	**1.17**	< 75	**84.0**	**1.41**	< 75	**187**	**0.07**	< 4	**9.36**	5200	22000
Ethyl Acetate	**1.40**	< 90	**101**	**1.68**	< 90	**225**	**0.08**	< 5	**11.26**	NA	NA
Benzene	< 2.4	**2800**	< 80	< 2.4	**3022**	< 80	< 0.1	**151.10**	< 4.0	0.084	0.42
Trichloroethylene	< 8.1	< 270	**5170**	< 8.1	< 270	**11523**	< 0.4	< 14	**576.15**	0.59	3.0
Toluene	< 2.9	**2930**	< 95	< 2.9	**3162**	< 95	< 0.1	**158.12**	< 4.8	310	1300
Tetrachloroethylene	< 5.1	**850**	**1360**	< 5.1	**917**	**3031**	< 0.3	**45.87**	**151.56**	0.41	2.1
Ethyl Benzene	< 3.2	**2600**	< 110	< 3.2	**2806**	< 110	< 0.2	**140.31**	< 5.5	0.97	4.9
m,p-Xylene	< 6.5	**611**	< 220	< 6.5	**659**	< 220	< 0.3	**32.97**	< 11.0	100[5]	440[5]
o-Xylene	< 3.2	**5250**	< 110	< 3.2	**5666**	< 110	< 0.2	**283.32**	< 5.5	100[5]	440[5]
Styrene	< 3.3	**205**	< 110	< 3.3	**221**	< 110	< 0.2	**11.06**	< 5.5	940	3900
4-Ethyl Toluene	< 3.7	**3960**	**191**	< 3.7	**4274**	**426**	< 0.2	**213.70**	**21.29**	NA	NA
1,3,5-Trimethylbenzene	< 3.7	**7580**	**466**	< 3.7	**8181**	**1039**	< 0.2	**409.06**	**51.93**	NA	NA
1,2,4-Trimethylbenzene	< 3.7	**2000**	**162**	< 3.7	**2159**	**361**	< 0.2	**107.93**	**18.05**	NA	NA

Notes:

All results given in micrograms per cubic meter ($\mu g/m^3$)

Values reported above the laboratory reporting limits are shown in **bold**

Note 1 = Laboratory-reported results were adjusted to account for ambient air leakage using the dilution factors (DF) calculated in Table 5. The as-reported results were multiplied by (1 + DF) to calculate the adjusted result.
Gas Investigations. As such, all adjusted VOC results are biased low.

Note 2 = Results multiplied by 0.05 attenuation factor as recommended by the Cal/EPA Department of Toxic Substances Control.

Note 3 = California Regional Water Quality Control Board, San Francisco Bay Area Region, February 2013, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Summary Table E.*

Note 4 = Helium was found in sample Sub-Slab3 above the 5 percent deemed acceptable by the Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board, and San Francisco Regional Water Quality Control Board, April 2012, *Advisory Active Soil Gas Investigations.* As such, all adjusted VOC results are biased low.

Note 5 = Based on ESL for total xylenes

ESLs = Environmental Screening Levels

<x.x = Compound was not identified above the laboratory reporting limit of x.x.

Table 3
Sub-Slab Vapor Results - June 2013
Former Francis Plating
785 7th St., Oakland, California

Analyte	Sub-Slab Sample Results - As-Reported		Sub-Slab Sample Results - Adjusted[1]		Estimated Indoor Air Concentration[2]		Indoor Air ESL[3]	
	Sub-Slab 2	Sub-Slab 3	Sub-Slab 2	Sub-Slab 3	Sub-Slab 2	Sub-Slab 3	Residential Ambient and Indoor Air	Industrial Ambient and Indoor Air
1,1-Dichloroethene	**25.6**	< 2.0	**29.7**	< 1.4	**1.28**	< 0.1	210	880
Acetone	< 19	< 19	< 19	< 19	**0.95**	< 1.0	32000	140000
Hexane	**106**	< 1.8	**123**	< 1.8	**5.3**	< 0.1	NA	NA
tert-Butanol	< 8.4	< 8.4	< 8.4	< 8.4	**0.42**	< 0.4	NA	NA
Carbon Tetrachloride	< 3.2	< 3.2	< 3.2	< 3.2	< 0.2	< 0.2	0.058	0.29
1,1,1-Trichloroethane	**35.7**	**57.1**	**41.4**	**68.6**	**1.785**	**2.855**	5200	22000
2-Butanone (MEK)	< 1.5	< 1.5	< 1.8	< 1.5	< 0.1	**0.1**	5200	22000
Ethyl Acetate	< 1.8	< 1.8	< 1.5	< 1.8	< 0.1	**0.09**	NA	NA
Benzene	**36.1**	< 1.6	**41.8**	< 1.6	**1.805**	< 0.1	0.084	0.42
Trichloroethylene	< 5.4	**77.3**	< 5.4	**92.9**	< 0.3	**3.865**	0.59	3.0
Toluene	**41.5**	< 1.9	**48.1**	< 1.9	**2.075**	< 0.1	310	1300
Tetrachloroethylene	**28.6**	**19.2**	**33.1**	**23.1**	**1.43**	**0.96**	0.41	2.1
Ethyl Benzene	**34.1**	< 2.2	**39.5**	< 2.2	**1.705**	< 0.1	0.97	4.9
m,p-Xylene	**7.48**	< 4.3	**8.67**	< 4.3	**0.374**	< 0.2	100[4]	440[4]
o-Xylene	**68.1**	< 2.2	**78.9**	< 2.2	**3.405**	< 0.1	100[4]	440[4]
Styrene	< 2.2	< 2.2	< 2.2	< 2.2	**0.11**	< 0.1	940	3900
4-Ethyl Toluene	**45.4**	**4.36**	**52.6**	**5.24**	**2.27**	**0.218**	NA	NA
1,3,5-Trimethylbenzene	**80.2**	**11.8**	**93.0**	**14.2**	**4.01**	**0.59**	NA	NA
1,2,4-Trimethylbenzene	**18.6**	**4.17**	**21.6**	**5.01**	**0.93**	**0.2085**	NA	NA

Notes:

All results given in micrograms per cubic meter ($\mu g/m^3$)

Values reported above the laboratory reporting limits are shown in **bold**

Note 1 = Laboratory-reported results were adjusted to account for ambient air leakage using the dilution factors (DF) calculated in Table 5. The as-reported results were multiplied by (1 + DF) to calculate the adjusted result.
Gas Investigations. As such, all adjusted VOC results are biased low.

Note 2 = Results multiplied by 0.05 attenuation factor as recommended by the Cal/EPA Department of Toxic Substances Control.

Note 3 = California Regional Water Quality Control Board, San Francisco Bay Area Region, February 2013, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Summary Table E.*

Note 4 = Based on ESL for total xylenes

ESLs = Environmental Screening Levels

<x.x = Compound was not identified above the laboratory reporting limit of x.x.

Table 4
Indoor Air Sampling Results - June 2013
Former Francis Plating
785 7th St., Oakland, California

Analyte	Indoor Air Concentration		Indoor Air ESL[2]	
	Location 1 (IA1)	Location 2 (IA2)	Residential Ambient and Indoor Air	Industrial Ambient and Indoor Air
1,1-Dichloroethene	< 0.02	< 0.02	210	880
Acetone	**20 E**	**46 E**	32000	140000
Hexane	< 0.02	< 0.02	NA	NA
tert-Butanol	**1.1**	**1.1**	NA	NA
Carbon Tetrachloride	< 0.03	< 0.03	0.058	0.29
1,1,1-Trichloroethane	< 0.03	< 0.03	5200	22000
2-Butanone (MEK)	< 0.02	< 0.02	5200	22000
Ethyl Acetate	< 0.02	< 0.02	NA	NA
Benzene	**0.26**	**0.28**	0.084	0.42
Trichloroethylene	< 0.03	< 0.03	0.59	3.0
Toluene	**0.95**	**1.9**	310	1300
Tetrachloroethylene	**0.22**	**0.64**	0.41	2.1
Ethyl Benzene	**0.27**	**0.60**	0.97	4.9
m,p-Xylene	**0.99**	**2.20**	100[3]	440[3]
o-Xylene	**0.34**	**0.65**	100[3]	440[3]
Styrene	**0.25**	**0.56**	940	3900
4-Ethyl Toluene	< 0.02	< 0.02	NA	NA
1,3,5-Trimethylbenzene	**0.11**	**0.16**	NA	NA
1,2,4-Trimethylbenzene	**0.32**	**0.44**	NA	NA

Notes:

All results given in micrograms per cubic meter ($\mu g/m^3$)
Values reported above the laboratory reporting limits are shown in **bold**
Note 1 = Results multiplied by 0.05 attenuation factor as recommended by the Cal/EPA Department of Toxic Substances Control.
Note 2 = California Regional Water Quality Control Board, San Francisco Bay Area Region, February 2013, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Summary Table E.*
Note 3 = Based on ESL for total xylenes
E = Estimated value due to being outside of calibration range.
ESLs = Environmental Screening Levels
<x.x = Compound was not identified above the laboratory reporting limit of x.x.

Table 5
Helium Results and Dilution Factor Calculations
Former Francis Plating
785 7th St., Oakland, California

	Helium in Sample (%)	Average Helium Under Shroud (%)	Dilution Factor (DF)[1]
May 1, 2013 Soil Gas Samples			
SV-07-2.5[2]	6.3	20.5	0.307
SV-07-4.0	1.2	19.5	0.062
SV-08-3.0	2.7	23.6	0.114
SV-08-6.2	2.8	19.1	0.147
SV-09-2.5	2.5	17.5	0.143
SV-09-4.6	2.2	20.8	0.106
May 8, 2013 Sub-Slab Soil Vapor Samples[3]			
Sub-Slab 1	4.0	19.9	0.20
Sub-Slab 2	2.3	29.0	0.08
Sub-Slab 3[2]	29	23.6	1.23
June 12, 2013 Sub-Slab Soil Vapor Samples			
Sub-Slab 2	3.0	18.9	0.16
Sub-Slab 3	4.0	19.86	0.20

Notes:

Note 1 = Dilution factor is calculated by dividing the helium concentration detected in the sample by the average helium concentration under the shroud during sampling

Note 2 = Helium was detected above the 5 percent deemed acceptable by the Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board, and San Francisco Regional Water Quality Control Board, April 2012, *Advisory Active Soil Gas Investigations.* VOC results for these samples are adjusted using the calculated dilution factor are reported as "biased low".

Note 3 = Helium concentrations were the same in both the original and corrected laboratory analytical reports. The calculated dilution factors were applied to each.

Table 6
Revised Sub-Slab Vapor Results - May 2013
Former Francis Plating
785 7th St., Oakland, California

Analyte	Sub-Slab Sample Results - As-Reported			Sub-Slab Sample Results - Adjusted[1]			Estimated Indoor Air Concentrations[2]			Indoor Air ESL[3]	
	Sub-Slab1	Sub-Slab2	Sub-Slab3	Sub-Slab1	Sub-Slab2	Sub-Slab3	Sub-Slab1	Sub-Slab2	Sub-Slab3	Residential Ambient and Indoor Air	Industrial Ambient and Indoor Air
1,1-Dichloroethene	< 3.0	**44.0**	< 2.0	< 2.0	**47.5**	< 2.0	< 0.1	**2.37**	< 0.1	210	880
Acetone	**5.22**	**36.2**	< 19	**6.27**	**39.1**	< 19	**0.31**	**1.95**	< 1.0	32000	140000
Hexane	< 2.6	**153**	< 1.8	< 2.6	**165.1**	< 1.8	< 0.1	**8.26**	< 0.1	NA	NA
tert-Butanol	< 13	**51.2**	< 8.4	< 13	**55.3**	< 8.4	< 1	**2.76**	< 0.4	NA	NA
Carbon Tetrachloride	< 4.7	**11.1**	< 3.2	< 4.7	**12.0**	< 3.2	< 0.2	**0.60**	< 0.2	0.058	0.29
1,1,1-Trichloroethane	< 4.1	**84.1**	**94.9**	< 4.1	**90.8**	**211.5**	< 0.2	**4.54**	**10.58**	5200	22000
2-Butanone (MEK)	**1.17**	< 1.5	**1.68**	**1.41**	< 1.5	**3.74**	**0.07**	< 0	**0.19**	5200	22000
Ethyl Acetate	**1.40**	< 1.8	**2.02**	**1.68**	< 1.8	**4.50**	**0.08**	< 0	**0.23**	NA	NA
Benzene	< 2.4	**56.1**	< 1.6	< 2.4	**60.5**	< 1.6	< 0.1	**3.03**	< 0.1	0.084	0.42
Trichloroethylene	< 8.1	< 5.4	**103**	< 8.1	< 5.4	**229.6**	< 0.4	< 0	**11.48**	0.59	3.0
Toluene	< 2.9	**58.6**	< 1.9	< 2.9	**63.2**	< 1.9	< 0.1	**3.16**	< 0.1	310	1300
Tetrachloroethylene	< 5.1	**17.0**	**27.2**	< 5.1	**18.3**	**60.6**	< 0.3	**0.92**	**3.03**	0.41	2.1
Ethyl Benzene	< 3.2	**51.9**	< 2.2	< 3.2	**56.0**	< 2.2	< 0.2	**2.80**	< 0.1	0.97	4.9
m,p-Xylene	< 6.5	**12.2**	< 4.3	< 6.5	**13.2**	< 4.3	< 0.3	**0.66**	< 0.2	100[4]	440[4]
o-Xylene	< 3.2	**105**	< 2.2	< 3.2	**113.3**	< 2.2	< 0.2	**5.67**	< 0.1	100[4]	440[4]
Styrene	< 3.3	**4.09**	< 2.2	< 3.3	**4.4**	< 2.2	< 0.2	**0.22**	< 0.1	940	3900
4-Ethyl Toluene	< 3.7	**79.2**	**3.82**	< 3.7	**85.5**	**8.51**	< 0.2	**4.27**	**0.43**	NA	NA
1,3,5-Trimethylbenzene	< 3.7	**152**	**9.31**	< 3.7	**164.1**	**20.8**	< 0.2	**8.20**	**1.04**	NA	NA
1,2,4-Trimethylbenzene	< 3.7	**40.0**	**3.23**	< 3.7	**43.2**	**7.20**	< 0.2	**2.16**	**0.36**	NA	NA

Notes:

All results given in micrograms per cubic meter ($\mu g/m^3$)
Values reported above the laboratory reporting limits are shown in **bold**
Note 1 = Laboratory-reported results were adjusted to account for ambient air leakage using the dilution factors (DF) calculated in Table 5. The as-reported results were multiplied by (1 + DF) to calculate the adjusted result.
Gas Investigations. As such, all adjusted VOC results are biased low.
Note 2 = Results multiplied by 0.05 attenuation factor as recommended by the Cal/EPA Department of Toxic Substances Control.
Note 3 = California Regional Water Quality Control Board, San Francisco Bay Area Region, February 2013, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Summary Table E.*
Note 4 = Based on ESL for total xylenes
ESLs = Environmental Screening Levels
<x.x = Compound was not identified above the laboratory reporting limit of x.x.

APPENDIX A

CORRESPONDENCE WITH ALAMEDA COUNTY ENVIRONMENTAL HEALTH

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

November 8, 2012

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: Conditional Work Plan Approval for SLIC Case RO0002586 and GeoTracker Global ID SL0600130797, Francis Plating, 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, "*Revised Work Plan for Soil Gas and Sub-Slab Vapor Investigations, 751-785 Seventh Street, Oakland, California,*" dated September 21, 2012 and received by ACEH on October 11, 2012 (Revised Work Plan). The Revised Work Plan, which was prepared on your behalf by Baseline Environmental Consulting, presents plans for soil vapor sampling. The plans were revised in

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed activities. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comment below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

Although this proposed scope of work is acceptable for implementation, the proposed scope of work represents a phased investigation approach that addresses some but not all remaining issues for the site. As previously discussed in both meetings and correspondence, several data gaps remain and remedial activities have not been initiated

TECHNICAL COMMENTS

1. **Soil Vapor Sample Locations.** We request that proposed soil vapor sample location SG-07 be moved approximately 10 feet east of the proposed location in order for the sampling location to be located between the likely source and the off-site building.

2. **Additional Soil Vapor Sampling.** The Work Plan proposes soil vapor sampling at three locations without provisions for step-out sampling if elevated concentrations of chemicals of concern are detected. Please note that, contingent upon soil vapor sampling results from the six proposed locations, additional soil vapor sampling may be necessary during a future phase of investigation.

3. **Existing Sub-Slab Vapor Probe.** We request that existing probe Sub-Slab 1 be sampled coincident with sampling of the proposed additional sub-slab vapor probes Sub-Slab 2 and Sub-Slab 3. Please present the results in the Soil Vapor and Sub-Slab Vapor Investigation Report requested below.

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:

- **April 30, 2013** – Soil Vapor and Sub-Slab Vapor Investigation Report
  File to be named: SWI_R_yyyy-mm-dd RO2586

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.

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

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to:* lgriffin@oaklandnet.com)

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)*

Jim McCarty, Baseline Environmental Consulting, 5900 Hollis Street, Suite D, Emeryville, CA 94608 (*Sent via E-mail to: jim@baseline-env.com*)

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

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. 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, 7835, 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, late 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 SCP)	**REVISION DATE:** July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) 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 .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 ://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 .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

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/18/2013 By jamesy

Permit Numbers: W2013-0210
Permits Valid from 03/26/2013 to 03/29/2013

Application Id: 1363116668934 **City of Project Site:** Oakland
Site Location: 751-785 7th St, Oakland CA
Project Start Date: 03/26/2013 **Completion Date:** 03/29/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: The Source Group, Inc. - Mary Cunningham **Phone:** 925-951-6387
3478 Buskirk Ave, Suite 100, Pleasant Hill, CA 94523
Property Owner: Tom McCoy Brush Street Group LLC **Phone:** --
1155 3rd St Suite 230, Oakland, CA 94607
Client: ** same as Property Owner **

Total Due: $265.00
Receipt Number: WR2013-0101 **Total Amount Paid:** $265.00
Payer Name : The Source Group, Inc. Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Vapor monitoring well-Vapor monitoring well - 5 Wells
Driller: Vironex, Inc. - Lic #: 705927 - Method: other **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2013-0210	03/18/2013	06/24/2013	SG-07	4.50 in.	4.50 in.	3.00 ft	9.00 ft
W2013-0210	03/18/2013	06/24/2013	SG-08	4.50 in.	4.50 in.	3.00 ft	9.00 ft
W2013-0210	03/18/2013	06/24/2013	SG-09	4.50 in.	4.50 in.	3.00 ft	9.00 ft
W2013-0210	03/18/2013	06/24/2013	Sub-Slab2	1.00 in.	1.00 in.	0.50 ft	0.75 ft
W2013-0210	03/18/2013	06/24/2013	Sub-Slab3	1.00 in.	1.00 in.	0.50 ft	0.75 ft

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.

7. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

8. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

9. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

11. Vapor monitoring wells above water level constructed with tubing maybe be backfilled with pancake-batter consistency bentonite. Minimum surface seal thickness is two inches of cement grout around well box.

Vapor monitoring wells above water level constructed with pvc pipe shall have a minimum seal depth (Neat Cement Seal) of 2 feet below ground surface (BGS). Minimum surface seal thickness is two inches of cement grout around well box. All other conditions for monitoring well construction shall apply.

APPENDIX C

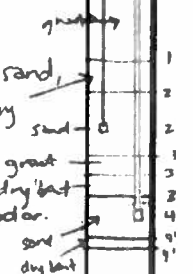
BORING LOGS

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

BORING/WELL ID: SG-07

PROJECT NAME AND ADDRESS:	FORMER FRANCIS PLATING	**Project No.**	01-FP-001
BORING LOCATION (AT SITE):	785 7TH ST. OAKLAND	**Logged By:**	M Cunningham
CONTRACTOR AND EQUIPMENT:	VIROTEX, HAND AUGER		
SAMPLING METHOD:	–	**MONITORING DEVICE:**	–
START DATE/ (TIME):	4/19/13 1200	**FINISH DATE/ TIME**	4/19/13 1340
FIRST WATER (BGS):	–	**STABILIZED WATER LEVEL:**	–
SURFACE ELEVATION:	–	**CASING TOP ELEVATION:**	–
TOTAL BORING DEPTH(S):	4'6"	**BORING DIAMETER/DEPTH:**	4.5"

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0		Concrete	
					1		Concrete pieces, gravel	
					2		Silty sand, very dark brown 10 YR 2/2, moist, loose, fine/med grain sand, no odor	
					3		3'7"	
					4		Silty sand, yellowish-brown, 10 YR 5/6, moist, loose, fine grain, no odor.	
					5		4'6" Same as above, but saturated	
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			



CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SGI environmental

THE SOURCE GROUP, INC.

BORING/WELL ID: SG-08

PROJECT NAME AND ADDRESS:	FORMER FRANCIS PLATING	Project No.	01-FP-001
BORING LOCATION (AT SITE):	795 7TH ST OAKLAND, PARKING LOT	Logged By:	M Cunningham
CONTRACTOR AND EQUIPMENT:	VIRONEX		
SAMPLING METHOD:	–	MONITORING DEVICE:	–
START DATE/ (TIME):	4/19/13 0940	FINISH DATE/ TIME	1130 4/19/13
FIRST WATER (BGS):	–	STABILIZED WATER LEVEL:	–
SURFACE ELEVATION:	–	CASING TOP ELEVATION:	–
TOTAL BORING DEPTH(S):	7'8"	BORING DIAMETER/DEPTH:	4.5"

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0		Concrete (~4")	
					1		Concrete pieces, gravel (~8')	grout
					2		silty sand, very dark brown 10YR 2/2, moist, loose, fine/med grain sand, no odor. Assumed to be fill dirt	dry bent. sand
					3		3'8"	
					4		silty sand, yellowish brown, 10 YR 5/6, moist, loose, fine grain, no odor Assumed Merritt sand	(cement bent.) dry bent.
					5			
					6			
					7			sand
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

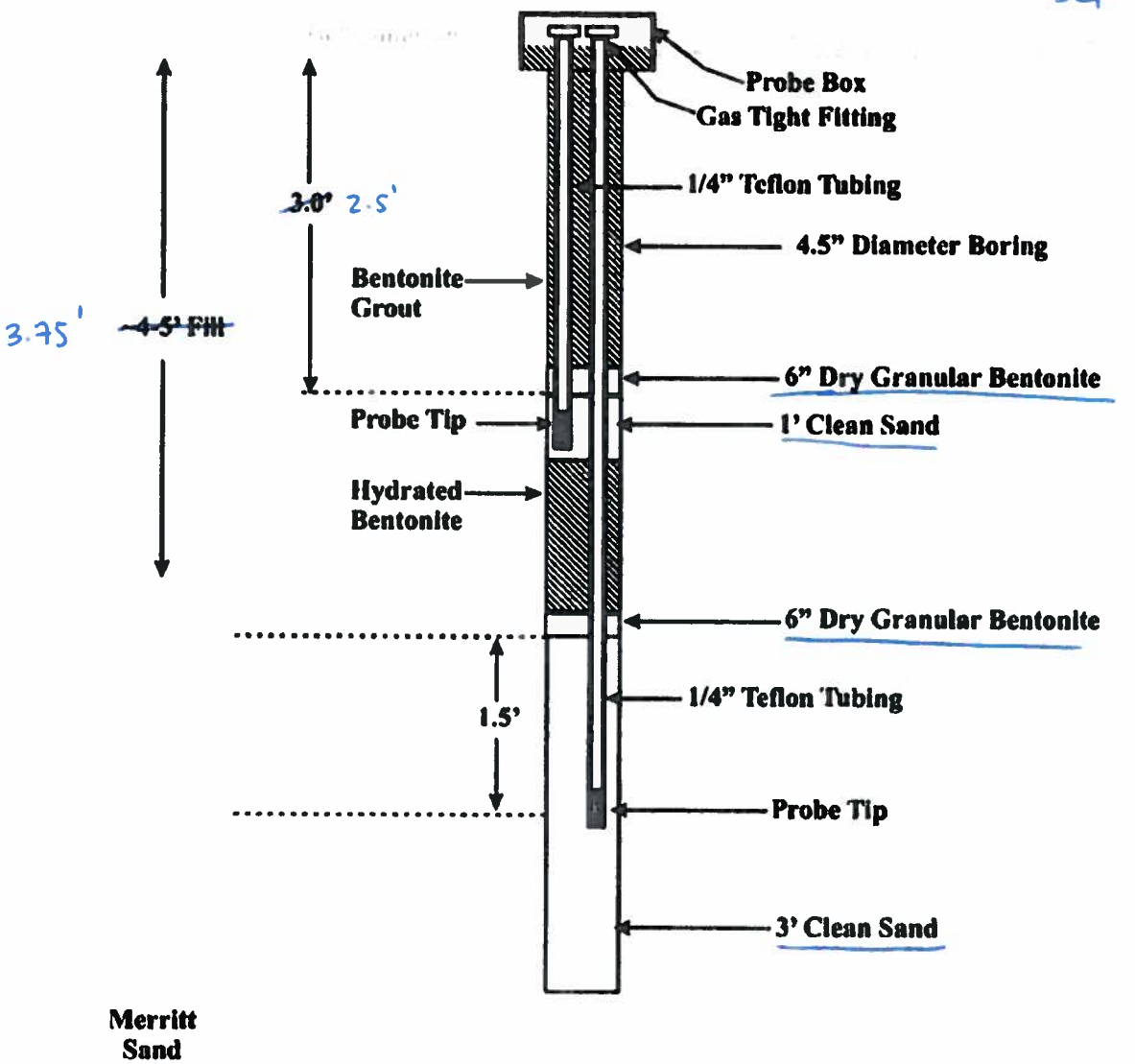
Total depth 7'8'

oil vapor points at:
6'2" (Merrit sand)
3' (fill dirt)

SOIL GAS PROBE CONSTRUCTION DIAGRAM

Figure 4

SG-08



785 Seventh Street
Oakland, California

BASELINE

Y0323-05.01944 Fig4.cdr 09/21/12

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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

BORING/WELL ID: SG-09

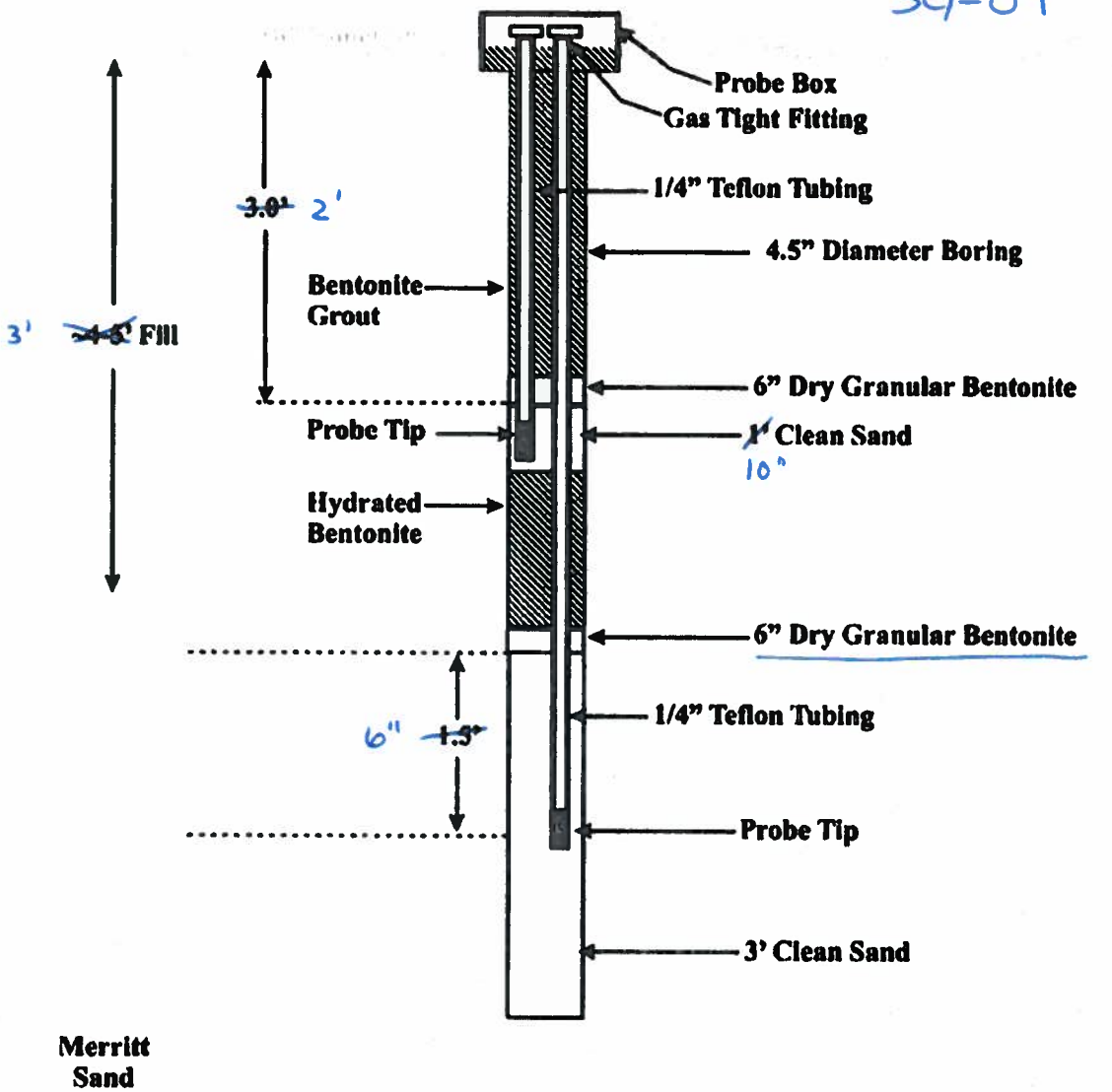
PROJECT NAME AND ADDRESS:	FORMER FRANKIS PLATING	**Project No.**	01-FP-001
BORING LOCATION (AT SITE):	725 7TH ST OAKLAND, PARKING LOT	**Logged By:**	Mary Cunningham
CONTRACTOR AND EQUIPMENT:	VIRONEX		
SAMPLING METHOD:	N/A	**MONITORING DEVICE:**	
START DATE/ (TIME):	4/19/13 0900	**FINISH DATE/ TIME**	4/19/13 1030
FIRST WATER (BGS):	—	**STABILIZED WATER LEVEL:**	—
SURFACE ELEVATION:	—	**CASING TOP ELEVATION:**	—
TOTAL BORING DEPTH(S):	6'1"	**BORING DIAMETER/DEPTH:**	4.5' dia

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0		Concrete 5"	
					1		Concrete pieces, gravel 6-7"	
					2		Silty sand, very dark brown, 10YR 2/2, moist, loose, fine-med grain sand, no odor (fill dirt) ↓	dry bent sand
					3		Silty sand, yellowish brown 10 YR 5/6, moist, loose, fine grain sand, no odor (believe to be Merritt sand)	hyd bent sand
					4		4'7" ↓	hyd bent
					5		Sandy clay, dark yellowish brown, 10 YR 4/6, moist, stiff, low plasticity, fine grain sand, no odor ↓	
					6		Total depth 6'1"	
					7			
					8		SV probes @ 2'6" (fill dirt)	
					9		4'7" (Merritt sand)	
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

SOIL GAS PROBE CONSTRUCTION DIAGRAM

Figure 4

SG-09



785 Seventh Street
Oakland, California

BASELINE

Y0323-05.01944.Fig4.cdr 09/21/12

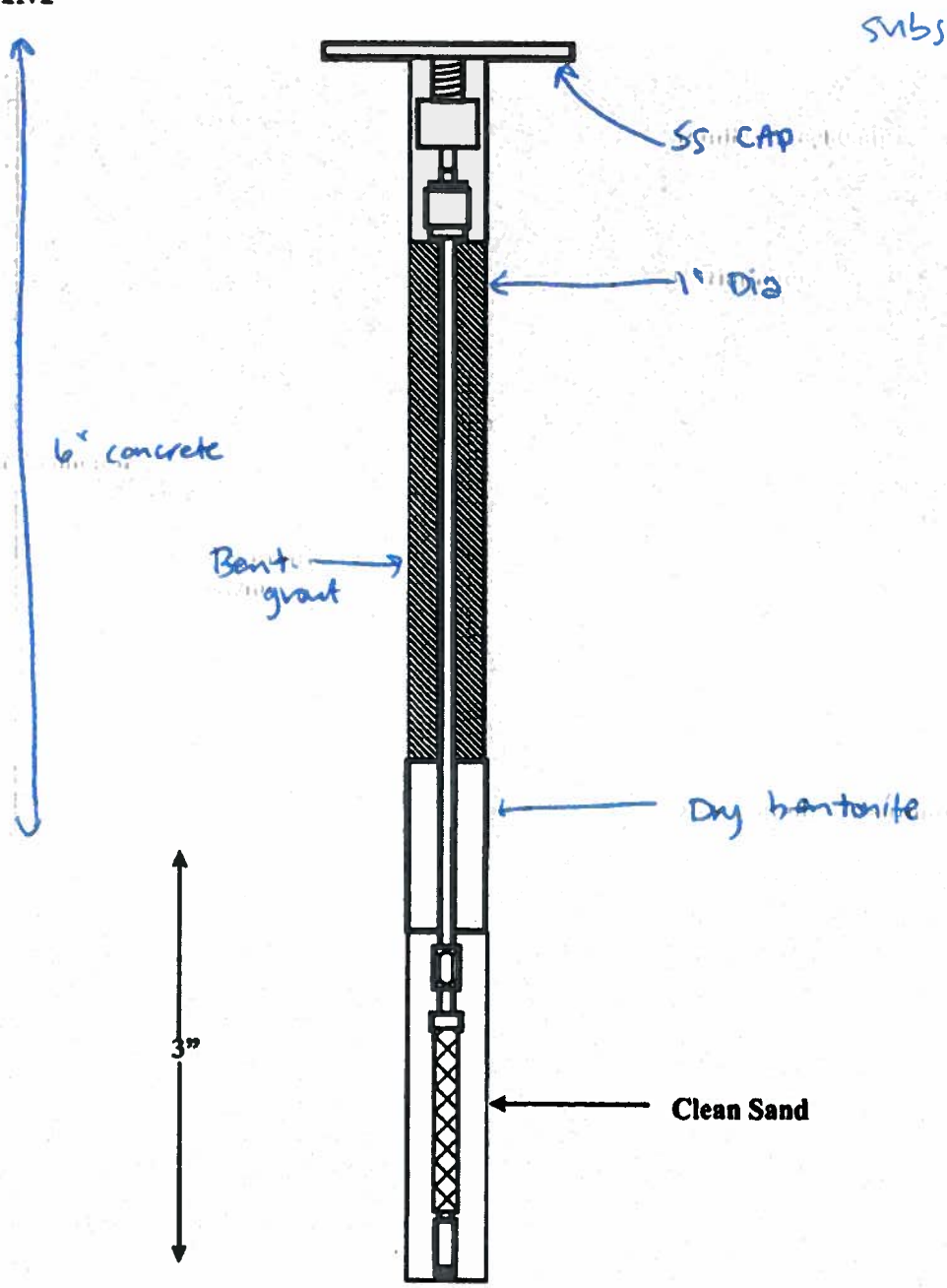
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SUB-SLAB VAPOR PROBE CONSTRUCTION DIAGRAM

Figure 6



785 Seventh Street
Oakland, California

BASELINE

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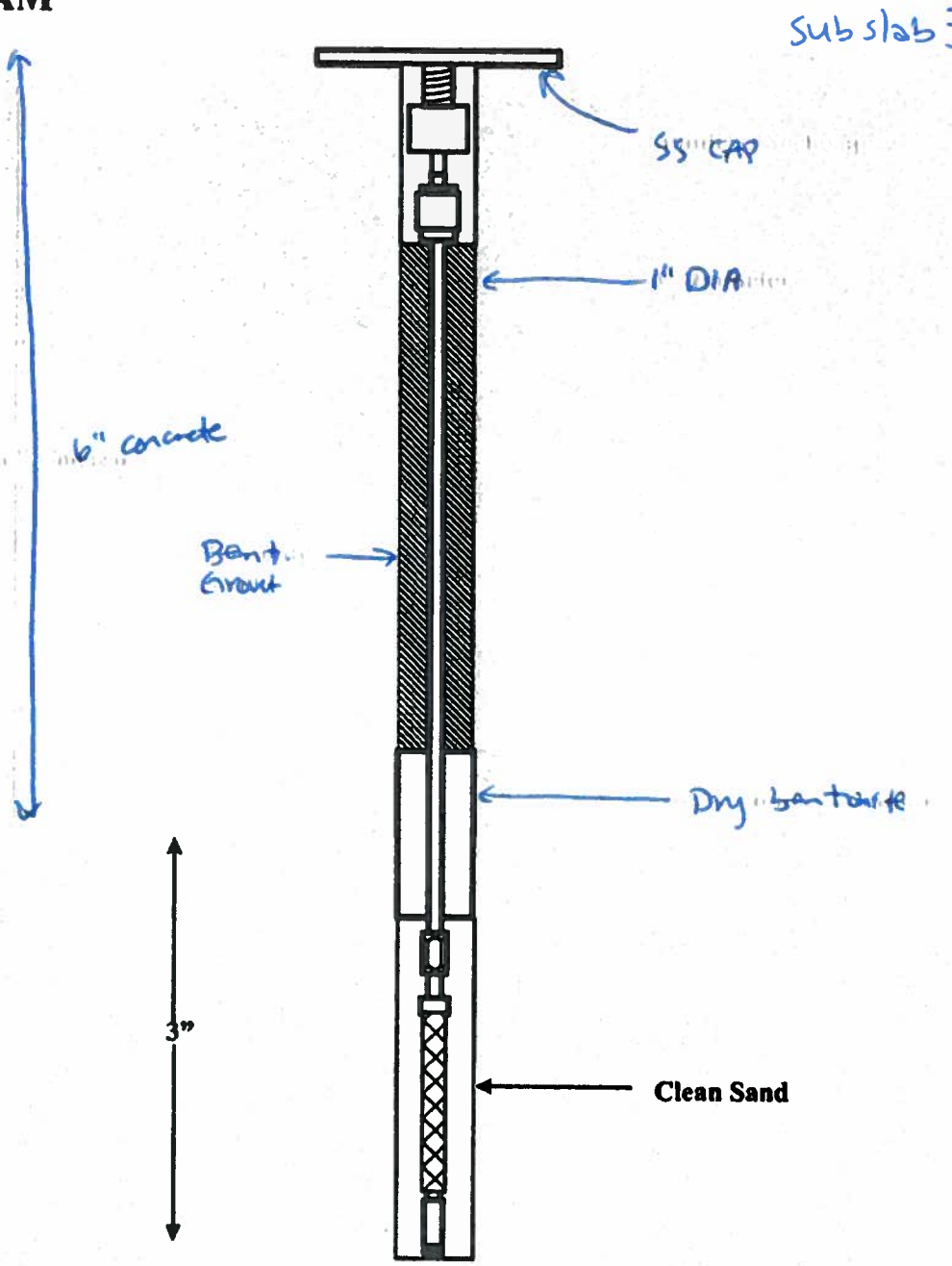
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SUB-SLAB VAPOR PROBE CONSTRUCTION DIAGRAM

Figure 6



785 Seventh Street
Oakland, California

BASELINE

Y0323-05.01944.Fig6.cdr 09/21/12

DAILY FIELD RECORD

SGI environmental — THE SOURCE GROUP, INC.

Project and Task Number: 01-FP-01	Date: 4/19/21
Project Name: Francis Plating	Field Activity: SV / sub-slab point install
Location: 795 7th St Oakland CA	Weather

PERSONNEL: Name	Company	Time In	Time Out
Robert	Vinnex	0645	
Mary Cunningham	SGI	0630	

PERSONAL SAFETY CHECKLIST

X	Steel-toed Boots	X	Hard Hat		Tyvek Coveralls
X	Rubber Gloves	X	Safety Goggles		½ Face Respirator

DRUM I.D.	DESCRIPTION OF CONTENTS AND QUANTITY	LOCATION
	½ full of soil cuttings + water from concrete drilling	SW corner of bldg

TIME	DESCRIPTION OF WORK PERFORMED
0630	On site, meet tenant Steve Tiffin
0645	Vinnex (Robert) on site, walk points, HS mtg
0700	Begin Sub-slab 2 installation - drill hole to 9" deep (3" below slab)
0715	Drill hole for sub-slab 3. Drill 3" below slab (9" depth total)
0740-0840	Install sub-slab 2 point per workplan
	Install sub-slab 3 point per workplan
0900	Begin SG-09 concrete cutting
0940	Begin SG-08 conc cutting, continue SG-09 install, cont SG-08
1050	Begin SG-07. Hit saturated soil @ 4'7". Abandon boring; move 10' toward SG-08. Re-core concrete
1200	Steve Miller (Alameda Co) onsite for inspection
1340	Finish SG-07, pack up

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

BORING/WELL ID: sub-slab 2

PROJECT NAME AND ADDRESS:	FRANCIS PLATING, 785 7TH ST	Project No.	01-FP-001
BORING LOCATION (AT SITE):	center of tumbling/instruction area	Logged By:	MC
CONTRACTOR AND EQUIPMENT:	Vironex,		
SAMPLING METHOD:	N/A	MONITORING DEVICE:	N/A
START DATE/ (TIME):	0700 4/19/17	FINISH DATE/ TIME	
FIRST WATER (BGS):	N/A	STABILIZED WATER LEVEL:	N/A
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	9"	BORING DIAMETER/DEPTH:	1" dia

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet/inches)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
				↑				
					0		concrete slab ~ 6" thick	
					1			
				CONCRETE	2			
					3			
					4			
				↓	5			
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

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

BORING/WELL ID: SVB-Slab 3

PROJECT NAME AND ADDRESS:	FRANCIS PLATING, 795 7TH ST	Project No.	01-FP-01
BORING LOCATION (AT SITE):	kitchen / storage area	Logged By:	MC
CONTRACTOR AND EQUIPMENT:	Vinnex		
SAMPLING METHOD:	N/A	MONITORING DEVICE:	N/A
START DATE/ (TIME):	0715 4/19/13	FINISH DATE/ TIME	
FIRST WATER (BGS):	N/A	STABILIZED WATER LEVEL:	N/A
SURFACE ELEVATION:		CASING TOP ELEVATION:	
TOTAL BORING DEPTH(S):	9"	BORING DIAMETER/DEPTH:	1" dia

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet) inches	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
				CONCRETE	0–4		concrete	
				SAND	5–9		sand/soil dry	
					10–20			

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

BORING/WELL ID: SG-07

PROJECT NAME AND ADDRESS:	FORMER FRANCIS PLATING	**Project No.**	01-FP-001
BORING LOCATION (AT SITE):	785 7TH ST OAKLAND.	**Logged By:**	M Cunningham
CONTRACTOR AND EQUIPMENT:	VIRONEX, HAND AUGER		
SAMPLING METHOD:	–	**MONITORING DEVICE:**	–
START DATE/ (TIME):	4/19/13 1200	**FINISH DATE/ TIME**	4/19/13 1340
FIRST WATER (BGS):	–	**STABILIZED WATER LEVEL:**	–
SURFACE ELEVATION:	–	**CASING TOP ELEVATION:**	–
TOTAL BORING DEPTH(S):	4'6"	**BORING DIAMETER/DEPTH:**	4.5"

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0		Concrete	
					1		Concrete pieces, gravel Silty sand, very dark brown 10 YR 2/2, moist, loose, fine/med grain sand, no odor	grout
					2			sand
					3		↓ 3'7" Silty sand, yellowish-brown, 10 YR 5/6, moist, loose, fine grain, no odor	grout
					4		4'6" Same as above, but saturated	sand dry bent
					5			
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

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

BORING/WELL ID: SG-08

PROJECT NAME AND ADDRESS:	FORMER FRANCIS PLATING	**Project No.**	01-FP-001
BORING LOCATION (AT SITE):	~~795 7TH ST OAKLAND~~, PARKING LOT	**Logged By:**	M Cunningham
CONTRACTOR AND EQUIPMENT:	VIRONEX		
SAMPLING METHOD:	–	**MONITORING DEVICE:**	–
START DATE/ (TIME):	4/17/13 0940	**FINISH DATE/ TIME**	1130 4/17/13
FIRST WATER (BGS):	–	**STABILIZED WATER LEVEL:**	–
SURFACE ELEVATION:	–	**CASING TOP ELEVATION:**	–
TOTAL BORING DEPTH(S):	7'8"	**BORING DIAMETER/DEPTH:**	4.5"

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0		Concrete (~4")	
							Concrete pieces, gravel (~8")	grout
					1		Silty sand, very dark brown 10YR 2/2, moist, loose, fine/med grain sand, no odor. Assumed to be fill dirt	
					2			dry bent. sand
					3			
							3'8"	
					4		Silty sand, yellowish brown, 10 YR 5/6, moist, loose, fine grain, no odor Assumed Merritt sand	hydrated bent. dry bent.
					5			
					6			
					7			sand
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

Total depth 7'8"

soil vapor points at:
6' 2" (Merrit sand)
3' (fill dirt)

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

BORING/WELL ID: SG-09

PROJECT NAME AND ADDRESS:	FORMER FRANKLIN PLATING	**Project No.**	01-FP-001
BORING LOCATION (AT SITE):	725 7TH ST OAKLAND, PARKING LOT	**Logged By:**	Mary Cunningham
CONTRACTOR AND EQUIPMENT:	VIRONEX		
SAMPLING METHOD:	N/A	**MONITORING DEVICE:**	
START DATE/ (TIME):	4/19/13 0930	**FINISH DATE/ TIME**	4/19/13 1030
FIRST WATER (BGS):	—	**STABILIZED WATER LEVEL:**	—
SURFACE ELEVATION:	—	**CASING TOP ELEVATION:**	—
TOTAL BORING DEPTH(S):	6'1"	**BORING DIAMETER/DEPTH:**	4.5' dia

Date/Time	Sample Interval	PID (ppm)	Recovery (%)	Stratigraphy	Depth (feet)	Water-level	LITHOLOGIC DESCRIPTION (classification, color, moisture, density, grain size/plasticity, other) ALL PERCENTAGES ARE APPROXIMATE UNLESS OTHERWISE STATED	Well construction details
					0		Concrete 5"	
					1		concrete pieces, gravel 6-7"	
					2		Silty sand, very dark brown, 10YR 2/2, moist, loose, fine-med grain sand, no odor (fill dirt)	dry bent sand
					3		Silty sand, yellowish brown 10 YR 5/6, moist, loose, fine grain sand, no odor (believe to be Merritt sand)	3'4" dirt dry bent
					4		4'7"	
					5		Sandy clay, dark yellowish brown, 10 YR 4/6, moist, stiff, low plasticity, fine grain sand, no odor	
					6		Total depth 6'1"	
					7			
					8		SV probes @ 2'6" (fill dirt)	
					9		4'7" (Merritt sand)	
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			

APPENDIX D

SAMPLING FIELD FORMS

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	6321		
Sample ID:	SG-7-2.5		
Weather Conditions	Temperature: 90		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 80 mL		
Purge Start Time:	1356	End Time:	1357
Sample Start Time:	1402	End Time:	1406
Canister Start Vacuum:	-28	End Vacuum:	-5

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
1402	150	25	22.9 x He
1402	|	25	20.4 x He
1403	|	20	21.0 x He
1404	|	15	20.6
1405	|	10	18.3
1406	✓	5	19.7

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	6115		
Sample ID:	SG-07-4.0		
Weather Conditions	Temperature: 80		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 110 mL		
Purge Start Time:	1420	End Time:	1424
Sample Start Time:	1423	End Time:	1429
Canister Start Vacuum:	30	End Vacuum:	4

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
1423	150	30	19.1 % He
1424		25	19.5 % He
1425		20	19.9 % He
1426		15	19.8 % He
1427		10	20.1 % He
1429		4	19.5 % He

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	A7462		
Sample ID:	SG-09-3.0		
Weather Conditions	Temperature: 80		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 90 mL		
Purge Start Time:	1252	End Time:	1253
Sample Start Time:	~~1301~~ 1256	End Time:	1301
Canister Start Vacuum:	-29	End Vacuum:	-4

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
1256	150	-29	21.3
1259	↓	-20	27.5
1300		15	24.9
1300		10	23.3
1301		4	20.8

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	A7559		
Sample ID:	SG-08-6.2		
Weather Conditions	Temperature: 80		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 150mL		
Purge Start Time:	1310	End Time:	1311
Sample Start Time:	1315	End Time:	1321
Canister Start Vacuum:	28	End Vacuum:	4

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
1315	150	28	16.5 @ He
1316	↓	25	20.8
1317		20	19.8
1319		15	19.1
1320		10	19.3
1321		4	19.3

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	A7468		
Sample ID:	SG-09-2.5		
Weather Conditions	Temperature: 80		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 90 mL		
Purge Start Time:	1043	End Time:	1044
Sample Start Time:	1054	End Time:	1100
Canister Start Vacuum:	29	End Vacuum:	5

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
1054	150	29	18.5
1055		25	15.9
1056		18	17.3
1058		12	17.5
1059		8	18.4
1100	↓	5	17.5

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	A7545		
Sample ID:	SG-09-4.6		
Weather Conditions	Temperature: 80		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes ✓	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 120 mL		
Purge Start Time:	1123	End Time:	1124
Sample Start Time:	1126	End Time:	1132
Canister Start Vacuum:	30	End Vacuum:	5

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
1126	150	30	
1128	↓	25	23.0 % He
1129		20	20.0 %
1130		15	22.5 % He
1130		10	19.0 % He
1132	↓	5	20.3 % He

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/3/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	6337		
Sample ID:	Subslab 1		
Weather Conditions	Temperature: — 65 inside		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 55mL		
Purge Start Time:	0856	End Time:	0856
Sample Start Time:	0900	End Time:	0905
Canister Start Vacuum:	-30	End Vacuum:	-5

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
0900	150	-30	19.4% He
0902	↓	-25	20.0% He
0902		-20	20.2% He
0903		-15	20.8% He
0904		-10	19.7% He
0905		-5	19.2% He

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/3/13	Sampler:	Mary Cunningham
Client:	Francis Plating	Project #:	01-FP-001
Container ID:	A 7552		
Sample ID:	sub51262		
Weather Conditions	Temperature: 65° (inside)		Precipitation: —

Sampling Device:	1L Summa		
Leak Test:	Yes	Leak Check Compound: Helium	
Purge Volume:	3x tubing volume ≈ 95 mL		
Purge Start Time:	0915	End Time:	0916
Sample Start Time:	0923	End Time:	0929
Canister Start Vacuum:	-30	End Vacuum:	-5

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
0923	150	-30	29.5% He
0924	↓	-25	27.4% He
0925		-20	33.1% He
0927		-15	30.8% He
0928		-10	28.7% He
0929		-5	24.4% He

Notes

SOIL VAPOR FIELD MEASUREMENT LOG

The Source Group, Inc.

Date:	5/1/13	**Sampler:**	Mary Cunningham
Client:	Francis Plating	**Project #:**	01-FP-001
Container ID:	A7481		
Sample ID:	Subslab 3		
Weather Conditions	**Temperature:**	inside 70°	**Precipitation:** —

Sampling Device:	1L Summa		
Leak Test:	Yes	**Leak Check Compound:**	Helium
Purge Volume:	3x tubing volume ≈	55 mL	
Purge Start Time:	0932	**End Time:**	0933
Sample Start Time:	0938	**End Time:**	0943
Canister Start Vacuum:	-29	**End Vacuum:**	-5

Field Measurements

Time	Flow (ml/min)	Vacuum Pressure (inches Hg)	Comments
0938	150	-29	26.3 % He
0940	↓	-20	22.0 % He
0941	↓	-15	22.8 % He
0942	↓	-10	23.2 % He
0943	↓	-5	N/A*

Notes

* He detector died. Battery not holding charge.

DAILY FIELD RECORD

SGI environmental — THE SOURCE GROUP, INC.

Project and Task Number: 01-FP-001	Date: 5/1/13 + 5/8/13
Project Name:	Field Activity: soil vapor sampling
Location:	Weather sunny, warm

PERSONNEL: Name	Company	Time In	Time Out	
Mary Cunningham	SGI	0800	1500	5/1
		0745	1100	5/8

PERSONAL SAFETY CHECKLIST

	Steel-toed Boots		Hard Hat		Tyvek Coveralls
X	Rubber Gloves		Safety Goggles		½ Face Respirator

DRUM I.D.	DESCRIPTION OF CONTENTS AND QUANTITY	LOCATION

	TIME	DESCRIPTION OF WORK PERFORMED
5/1	0800	Arrive at site. Don't have He detector. Detector arrives at 0945.
		Do not have time to sample subslab 2 since it's under the
		main class area mat. Move to subslab 1. This point has
		different fittings, so unable to sample.
	1030	Move outside, begin SG-09-2.5. Sample time 1054.
	1100	Begin at SG-09-4.6. Sample time 1126
	1145	Lunch.
	1240	Back at site, start SG-8-3.0. Sample time 1256
	1305	Begin SG-08-6.2. Sample time 1315.
	1330	Move to SG-07. Start SG-07-2.5; sample time 1356
	1410	Set up at SG-07-4.0. Sample time 1423.
	1500	Finish cleaning up, off site.
5/8	0745	On site. Begin with subslab 2.

DAILY FIELD RECORD *(Continued)*

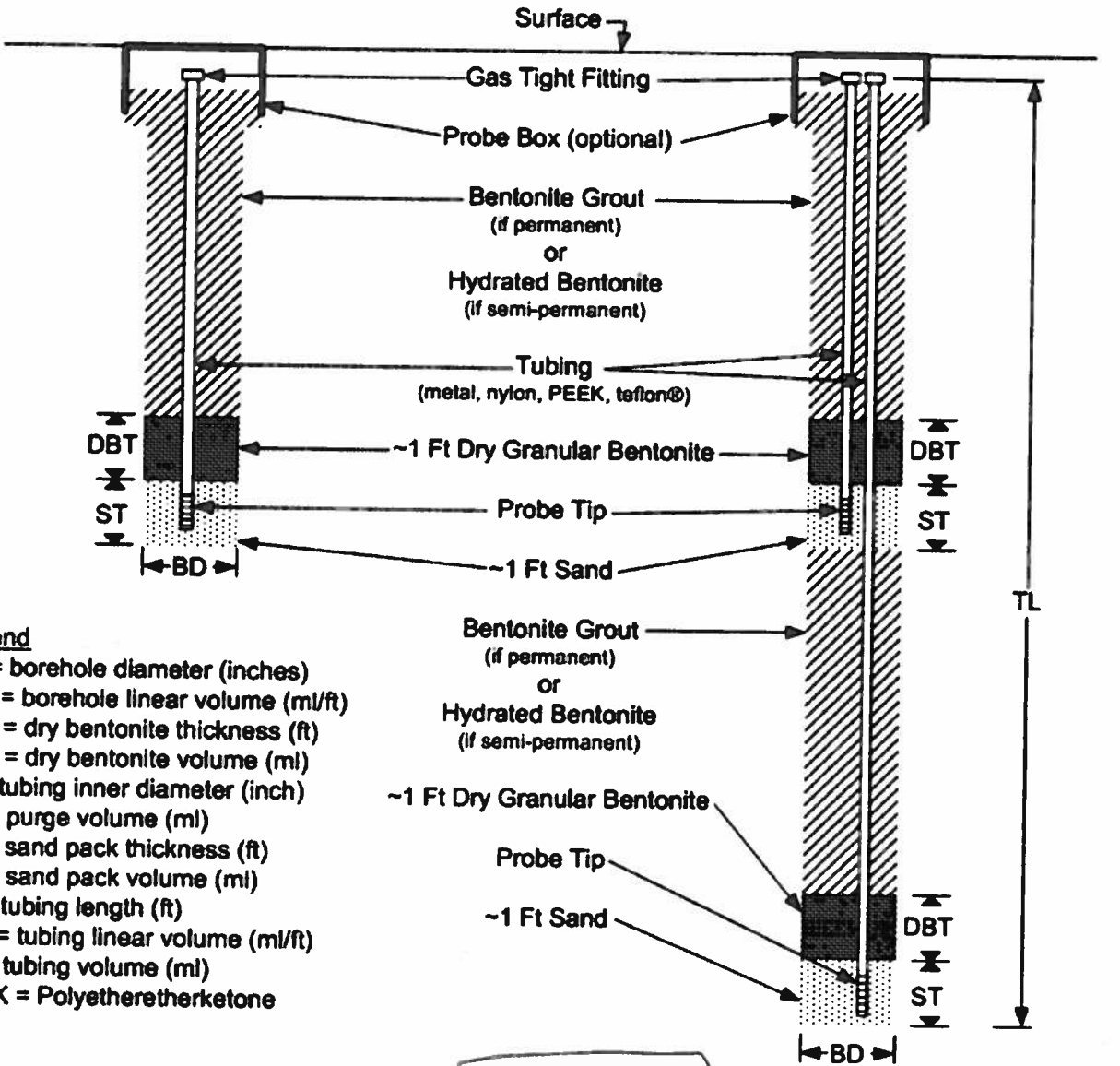
SGI environmental THE SOURCE GROUP, INC.

Project and Task Number:	Date:

TIME	DESCRIPTION OF WORK PERFORMED
0823	Sample subslab 2. Move to subslab 1
0900	Sample subslab 1. ~~Move to sample~~ Helium detector battery dies at sampling end. Plug in to recharge.
0930	Begin at subslab 3. Sample time 0938. Helium detector dies again despite saying battery was completely charged when sampling started. It worked for most of sampling time so it was assumed that was sufficient.
1100	Paperwork complete, off site.

Figure 1

Typical Single and Nested Soil Gas Probe Design & Purge Volume Calculation



Legend
BD = borehole diameter (inches)
BLV = borehole linear volume (ml/ft)
DBT = dry bentonite thickness (ft)
DBV = dry bentonite volume (ml)
ID = tubing inner diameter (inch)
PV = purge volume (ml)
ST = sand pack thickness (ft)
SV = sand pack volume (ml)
TL = tubing length (ft)
TLV = tubing linear volume (ml/ft)
TV = tubing volume (ml)
PEEK = Polyetheretherketone

(1) TV = TL x TLV = (TL) _____

X 6 if tubing ID = 3/16" =
X 16 if tubing ID = 5/16" = _____ ml
X ___ if tubing ID = ____" =

(2) DBV = DBT x BLV = (DBT) _____

X 350 if BD = 2 1/8" =
X 820 if BD = 3 ¼" = _____ ml
X ___ if BD = _____" =

(3) SV = ST x BLV = (ST) _____

X 280 if BD = 2 1/8" =
X 660 if BD = 3 ¼" = _____ ml
X ___ if BD = _____" =

Note: porosity of 50% used for dry bentonite and 40% used for #3 sand pack to calculate BLV.

1 PV = (1)TV + (2) DBV + (3) SV = _____ ml

	Tubing linear volume	Tubing length	Tubing volume	Purge volume (3x)	Purge Time	Purge Time
	mL/ft	ft	mL	mL	min	sec
Subslab1	6	3	18	54	0.36	22
Subslab2	6	3	18	54	0.36	22
Subslab3	6	3	18	54	0.36	22
SG-07-2.5	6	4.5	27	81	0.54	32
SG-07-4.0	6	6	36	108	0.72	43
SG-08-3.0	6	5	30	90	0.6	36
SG-08-6.2	6	8.2	49.2	147.6	0.984	59
SG-09-2.5	6	4.5	27	81	0.54	32
SG-09-4.6	6	6.6	39.6	118.8	0.792	48

APPENDIX E

LABORATORY ANALYTICAL DATA

Matthew C. Sutton
The Source Group, Inc
3478 Buskirk Avenue, Suite 100
Pleasant Hill, California 94523
Tel: 925.951.6386
Fax: 925.944.2859
Email: msutton@thesourcegroup.net

RE: Former Francis Plating

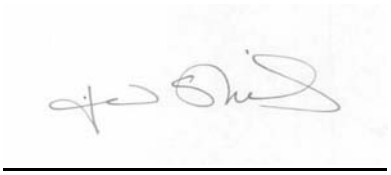
Work Order No.: 1305024

Dear Matthew Sutton:

Torrent Laboratory, Inc. received 6 sample(s) on May 03, 2013 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Janice Winn-Shilling
Sr. Project Manager

May 10, 2013
Date

Date: 5/10/2013

Client: The Source Group, Inc

Project: Former Francis Plating

Work Order: 1305024

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

SG-07-2.5 1305024-001A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Tetrachloroethylene	ETO15	1	0.91	3.4	73.0
Trichloroethylene	ETO15	20	28	110	2030
Helium	D1946	2.66	0.013	0.013	6.3

SG-07-4.0 1305024-002A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Trichloroethylene	ETO15	28	39	150	2160
Helium	D1946	2.18	0.011	0.011	1.2

SG-08-3.0 1305024-003A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1,1-Trichloroethane	ETO15	1	0.85	2.8	22.5
Tetrachloroethylene	ETO15	1	0.91	3.4	12.0
Trichloroethylene	ETO15	2.5	3.5	14	228
Helium	D1946	3.45	0.017	0.017	2.7

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

SG-08-6.2 1305024-004A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	1	0.81	3.1	11.9
1,1,1-Trichloroethane	ETO15	1	0.85	2.8	25.5
Benzene	ETO15	1	0.69	1.6	4.87
Tetrachloroethylene	ETO15	1	0.91	3.4	11.6
Trichloroethylene	ETO15	2.5	3.5	14	209
Helium	D1946	3.19	0.016	0.016	2.8

SG-09-2.5 1305024-005A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	2.2	0.011	0.011	2.5
1,1,1-Trichloroethane	ETO15	5.5	4.7	15	86.5
Trichloroethylene	ETO15	5.5	7.6	30	479

SG-09-4.6 1305024-006A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1,1-Trichloroethane	ETO15	1	0.85	2.8	70.1
Helium	D1946	1.67	0.0084	0.0084	2.2
Trichloroethylene	ETO15	4.23	5.9	23	214

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-07-2.5	**Lab Sample ID:**	1305024-001A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 14:02	**Certified Clean WO # :**	
Canister/Tube ID:	6321	**Received PSI :**	11.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/07/13	1	1.5	5.0	ND	ND		415373	NA
1,1-Difluoroethane	ETO15	NA	05/07/13	1	0.50	1.4	ND	ND		415373	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/07/13	1	4.9	14	ND	ND		415373	NA
Chloromethane	ETO15	NA	05/07/13	1	0.32	1.1	ND	ND		415373	NA
Vinyl Chloride	ETO15	NA	05/07/13	1	0.67	2.6	ND	ND		415373	NA
1,3-Butadiene	ETO15	NA	05/07/13	1	0.45	1.1	ND	ND		415373	NA
Bromomethane	ETO15	NA	05/07/13	1	0.72	2.0	ND	ND		415373	NA
Chloroethane	ETO15	NA	05/07/13	1	0.50	1.3	ND	ND		415373	NA
Trichlorofluoromethane	ETO15	NA	05/07/13	1	1.8	5.6	ND	ND		415373	NA
1,1-Dichloroethene	ETO15	NA	05/07/13	1	0.61	2.0	ND	ND		415373	NA
Freon 113	ETO15	NA	05/07/13	1	0.85	3.9	ND	ND		415373	NA
Carbon Disulfide	ETO15	NA	05/07/13	1	0.81	3.1	ND	ND		415373	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/07/13	1	0.97	20	ND	ND		415373	NA
Methylene Chloride	ETO15	NA	05/07/13	1	0.58	28	ND	ND		415373	NA
Acetone	ETO15	NA	05/07/13	1	0.88	19	ND	ND		415373	NA
trans-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.64	2.0	ND	ND		415373	NA
Hexane	ETO15	NA	05/07/13	1	0.53	1.8	ND	ND		415373	NA
MTBE	ETO15	NA	05/07/13	1	0.87	1.8	ND	ND		415373	NA
tert-Butanol	ETO15	NA	05/07/13	1	0.91	8.4	ND	ND		415373	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/07/13	1	0.88	2.1	ND	ND		415373	NA
1,1-Dichloroethane	ETO15	NA	05/07/13	1	0.75	2.1	ND	ND		415373	NA
ETBE	ETO15	NA	05/07/13	1	0.68	2.1	ND	ND		415373	NA
cis-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.54	2.0	ND	ND		415373	NA
Chloroform	ETO15	NA	05/07/13	1	1.2	4.9	ND	ND		415373	NA
Vinyl Acetate	ETO15	NA	05/07/13	1	0.57	1.8	ND	ND		415373	NA
Carbon Tetrachloride	ETO15	NA	05/07/13	1	0.86	3.2	ND	ND		415373	NA
1,1,1-Trichloroethane	ETO15	NA	05/07/13	1	0.85	2.8	ND	ND		415373	NA
2-Butanone (MEK)	ETO15	NA	05/07/13	1	0.63	1.5	ND	ND		415373	NA
Ethyl Acetate	ETO15	NA	05/07/13	1	0.74	1.8	ND	ND		415373	NA
Tetrahydrofuran	ETO15	NA	05/07/13	1	0.30	1.5	ND	ND		415373	NA
Benzene	ETO15	NA	05/07/13	1	0.69	1.6	ND	ND		415373	NA
TAME	ETO15	NA	05/07/13	1	0.36	2.1	ND	ND		415373	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/07/13	1	0.99	2.1	ND	ND		415373	NA
1,2-Dichloropropane	ETO15	NA	05/07/13	1	1.3	4.6	ND	ND		415373	NA
Bromodichloromethane	ETO15	NA	05/07/13	1	0.89	3.4	ND	ND		415373	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-07-2.5	**Lab Sample ID:**	1305024-001A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 14:02	**Certified Clean WO # :**	
Canister/Tube ID:	6321	**Received PSI :**	11.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/07/13	1	1.2	3.6	ND	ND		415373	NA
trans-1,3-Dichloropropene	ETO15	NA	05/07/13	1	0.87	2.3	ND	ND		415373	NA
Toluene	ETO15	NA	05/07/13	1	0.95	1.9	ND	ND		415373	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/07/13	1	0.85	2.1	ND	ND		415373	NA
cis-1,3-Dichloropropene	ETO15	NA	05/07/13	1	1.1	2.3	ND	ND		415373	NA
Tetrachloroethylene	ETO15	NA	05/07/13	1	0.91	3.4	73.0	10.74		415373	NA
1,1,2-Trichloroethane	ETO15	NA	05/07/13	1	0.93	2.8	ND	ND		415373	NA
Dibromochloromethane	ETO15	NA	05/07/13	1	1.7	4.3	ND	ND		415373	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/07/13	1	2.0	7.7	ND	ND		415373	NA
Trichloroethylene	ETO15	NA	05/08/13	20	28	110	2030	375.93		415396	NA
2-Hexanone	ETO15	NA	05/07/13	1	1.1	4.1	ND	ND		415373	NA
Ethyl Benzene	ETO15	NA	05/07/13	1	0.99	2.2	ND	ND		415373	NA
Chlorobenzene	ETO15	NA	05/07/13	1	0.71	2.3	ND	ND		415373	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/07/13	1	1.0	3.5	ND	ND		415373	NA
m,p-Xylene	ETO15	NA	05/07/13	1	1.6	4.3	ND	ND		415373	NA
o-Xylene	ETO15	NA	05/07/13	1	0.81	2.2	ND	ND		415373	NA
Styrene	ETO15	NA	05/07/13	1	0.69	2.2	ND	ND		415373	NA
Bromoform	ETO15	NA	05/07/13	1	1.1	5.0	ND	ND		415373	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/07/13	1	0.70	3.5	ND	ND		415373	NA
4-Ethyl Toluene	ETO15	NA	05/07/13	1	0.82	2.5	ND	ND		415373	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/07/13	1	0.76	2.5	ND	ND		415373	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/07/13	1	0.69	2.5	ND	ND		415373	NA
1,4-Dichlorobenzene	ETO15	NA	05/07/13	1	0.65	3.0	ND	ND		415373	NA
1,3-Dichlorobenzene	ETO15	NA	05/07/13	1	0.84	3.0	ND	ND		415373	NA
1,2-Dichlorobenzene	ETO15	NA	05/07/13	1	0.91	3.0	ND	ND		415373	NA
Hexachlorobutadiene	ETO15	NA	05/07/13	1	2.4	5.5	ND	ND		415373	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/07/13	1	3.4	7.4	ND	ND		415373	NA
Naphthalene	ETO15	NA	05/07/13	1	1.5	5.2	ND	ND		415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/07/13	1	65	135	123 %			415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/08/13	20	65	135	102 %			415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-07-2.5	**Lab Sample ID:**	1305024-001A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 14:02	**Certified Clean WO # :**	
Canister/Tube ID:	6321	**Received PSI :**	11.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/10/13	2.66	0.013	0.013	6.3			415401	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-07-4.0	**Lab Sample ID:**	1305024-002A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 14:23	**Certified Clean WO # :**	
Canister/Tube ID:	6115	**Received PSI :**	12.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/08/13	28	42	140	ND	ND		415396	NA
1,1-Difluoroethane	ETO15	NA	05/08/13	28	14	38	ND	ND		415396	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/08/13	28	140	390	ND	ND		415396	NA
Chloromethane	ETO15	NA	05/08/13	28	8.9	29	ND	ND		415396	NA
Vinyl Chloride	ETO15	NA	05/08/13	28	19	73	ND	ND		415396	NA
1,3-Butadiene	ETO15	NA	05/08/13	28	12	31	ND	ND		415396	NA
Bromomethane	ETO15	NA	05/08/13	28	20	55	ND	ND		415396	NA
Chloroethane	ETO15	NA	05/08/13	28	14	36	ND	ND		415396	NA
Trichlorofluoromethane	ETO15	NA	05/08/13	28	51	160	ND	ND		415396	NA
1,1-Dichloroethene	ETO15	NA	05/08/13	28	17	56	ND	ND		415396	NA
Freon 113	ETO15	NA	05/08/13	28	24	110	ND	ND		415396	NA
Carbon Disulfide	ETO15	NA	05/08/13	28	23	87	ND	ND		415396	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/08/13	28	27	560	ND	ND		415396	NA
Methylene Chloride	ETO15	NA	05/08/13	28	16	780	ND	ND		415396	NA
Acetone	ETO15	NA	05/08/13	28	25	540	ND	ND		415396	NA
trans-1,2-Dichloroethene	ETO15	NA	05/08/13	28	18	56	ND	ND		415396	NA
Hexane	ETO15	NA	05/08/13	28	15	49	ND	ND		415396	NA
MTBE	ETO15	NA	05/08/13	28	24	50	ND	ND		415396	NA
tert-Butanol	ETO15	NA	05/08/13	28	26	240	ND	ND		415396	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/08/13	28	25	59	ND	ND		415396	NA
1,1-Dichloroethane	ETO15	NA	05/08/13	28	21	57	ND	ND		415396	NA
ETBE	ETO15	NA	05/08/13	28	19	59	ND	ND		415396	NA
cis-1,2-Dichloroethene	ETO15	NA	05/08/13	28	15	56	ND	ND		415396	NA
Chloroform	ETO15	NA	05/08/13	28	35	140	ND	ND		415396	NA
Vinyl Acetate	ETO15	NA	05/08/13	28	16	49	ND	ND		415396	NA
Carbon Tetrachloride	ETO15	NA	05/08/13	28	24	88	ND	ND		415396	NA
1,1,1-Trichloroethane	ETO15	NA	05/08/13	28	24	77	ND	ND		415396	NA
2-Butanone (MEK)	ETO15	NA	05/08/13	28	18	42	ND	ND		415396	NA
Ethyl Acetate	ETO15	NA	05/08/13	28	21	50	ND	ND		415396	NA
Tetrahydrofuran	ETO15	NA	05/08/13	28	8.5	42	ND	ND		415396	NA
Benzene	ETO15	NA	05/08/13	28	19	45	ND	ND		415396	NA
TAME	ETO15	NA	05/08/13	28	10	59	ND	ND		415396	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/08/13	28	28	57	ND	ND		415396	NA
Trichloroethylene	ETO15	NA	05/08/13	28	39	150	2160	400.00		415396	NA
1,2-Dichloropropane	ETO15	NA	05/08/13	28	37	130	ND	ND		415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-07-4.0	**Lab Sample ID:**	1305024-002A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 14:23	**Certified Clean WO # :**	
Canister/Tube ID:	6115	**Received PSI :**	12.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	05/08/13	28	25	94	ND	ND		415396	NA
1,4-Dioxane	ETO15	NA	05/08/13	28	35	100	ND	ND		415396	NA
trans-1,3-Dichloropropene	ETO15	NA	05/08/13	28	24	63	ND	ND		415396	NA
Toluene	ETO15	NA	05/08/13	28	27	53	ND	ND		415396	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/08/13	28	24	57	ND	ND		415396	NA
cis-1,3-Dichloropropene	ETO15	NA	05/08/13	28	32	63	ND	ND		415396	NA
Tetrachloroethylene	ETO15	NA	05/08/13	28	25	95	ND	ND		415396	NA
1,1,2-Trichloroethane	ETO15	NA	05/08/13	28	26	77	ND	ND		415396	NA
Dibromochloromethane	ETO15	NA	05/08/13	28	49	120	ND	ND		415396	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/08/13	28	57	220	ND	ND		415396	NA
2-Hexanone	ETO15	NA	05/08/13	28	31	110	ND	ND		415396	NA
Ethyl Benzene	ETO15	NA	05/08/13	28	28	60	ND	ND		415396	NA
Chlorobenzene	ETO15	NA	05/08/13	28	20	64	ND	ND		415396	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/08/13	28	29	97	ND	ND		415396	NA
m,p-Xylene	ETO15	NA	05/08/13	28	45	120	ND	ND		415396	NA
o-Xylene	ETO15	NA	05/08/13	28	23	60	ND	ND		415396	NA
Styrene	ETO15	NA	05/08/13	28	19	62	ND	ND		415396	NA
Bromoform	ETO15	NA	05/08/13	28	31	140	ND	ND		415396	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/08/13	28	20	97	ND	ND		415396	NA
4-Ethyl Toluene	ETO15	NA	05/08/13	28	23	69	ND	ND		415396	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/08/13	28	21	69	ND	ND		415396	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/08/13	28	19	69	ND	ND		415396	NA
1,4-Dichlorobenzene	ETO15	NA	05/08/13	28	18	84	ND	ND		415396	NA
1,3-Dichlorobenzene	ETO15	NA	05/08/13	28	24	84	ND	ND		415396	NA
1,2-Dichlorobenzene	ETO15	NA	05/08/13	28	25	84	ND	ND		415396	NA
Hexachlorobutadiene	ETO15	NA	05/08/13	28	68	150	ND	ND		415396	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/08/13	28	95	210	ND	ND		415396	NA
Naphthalene	ETO15	NA	05/08/13	28	41	150	ND	ND		415396	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/08/13	28	65	135	104 %			415396	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/10/13	2.18	0.011	0.011	1.2			415401	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-08-3.0	**Lab Sample ID:**	1305024-003A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 12:56	**Certified Clean WO # :**	
Canister/Tube ID:	A7462	**Received PSI :**	11.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/07/13	1	1.5	5.0	ND	ND		415373	NA
1,1-Difluoroethane	ETO15	NA	05/07/13	1	0.50	1.4	ND	ND		415373	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/07/13	1	4.9	14	ND	ND		415373	NA
Chloromethane	ETO15	NA	05/07/13	1	0.32	1.1	ND	ND		415373	NA
Vinyl Chloride	ETO15	NA	05/07/13	1	0.67	2.6	ND	ND		415373	NA
1,3-Butadiene	ETO15	NA	05/07/13	1	0.45	1.1	ND	ND		415373	NA
Bromomethane	ETO15	NA	05/07/13	1	0.72	2.0	ND	ND		415373	NA
Chloroethane	ETO15	NA	05/07/13	1	0.50	1.3	ND	ND		415373	NA
Trichlorofluoromethane	ETO15	NA	05/07/13	1	1.8	5.6	ND	ND		415373	NA
1,1-Dichloroethene	ETO15	NA	05/07/13	1	0.61	2.0	ND	ND		415373	NA
Freon 113	ETO15	NA	05/07/13	1	0.85	3.9	ND	ND		415373	NA
Carbon Disulfide	ETO15	NA	05/07/13	1	0.81	3.1	ND	ND		415373	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/07/13	1	0.97	20	ND	ND		415373	NA
Methylene Chloride	ETO15	NA	05/07/13	1	0.58	28	ND	ND		415373	NA
Acetone	ETO15	NA	05/07/13	1	0.88	19	ND	ND		415373	NA
trans-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.64	2.0	ND	ND		415373	NA
Hexane	ETO15	NA	05/07/13	1	0.53	1.8	ND	ND		415373	NA
MTBE	ETO15	NA	05/07/13	1	0.87	1.8	ND	ND		415373	NA
tert-Butanol	ETO15	NA	05/07/13	1	0.91	8.4	ND	ND		415373	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/07/13	1	0.88	2.1	ND	ND		415373	NA
1,1-Dichloroethane	ETO15	NA	05/07/13	1	0.75	2.1	ND	ND		415373	NA
ETBE	ETO15	NA	05/07/13	1	0.68	2.1	ND	ND		415373	NA
cis-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.54	2.0	ND	ND		415373	NA
Chloroform	ETO15	NA	05/07/13	1	1.2	4.9	ND	ND		415373	NA
Vinyl Acetate	ETO15	NA	05/07/13	1	0.57	1.8	ND	ND		415373	NA
Carbon Tetrachloride	ETO15	NA	05/07/13	1	0.86	3.2	ND	ND		415373	NA
1,1,1-Trichloroethane	ETO15	NA	05/07/13	1	0.85	2.8	22.5	4.09		415373	NA
2-Butanone (MEK)	ETO15	NA	05/07/13	1	0.63	1.5	ND	ND		415373	NA
Ethyl Acetate	ETO15	NA	05/07/13	1	0.74	1.8	ND	ND		415373	NA
Tetrahydrofuran	ETO15	NA	05/07/13	1	0.30	1.5	ND	ND		415373	NA
Benzene	ETO15	NA	05/07/13	1	0.69	1.6	ND	ND		415373	NA
TAME	ETO15	NA	05/07/13	1	0.36	2.1	ND	ND		415373	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/07/13	1	0.99	2.1	ND	ND		415373	NA
1,2-Dichloropropane	ETO15	NA	05/07/13	1	1.3	4.6	ND	ND		415373	NA
Bromodichloromethane	ETO15	NA	05/07/13	1	0.89	3.4	ND	ND		415373	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-08-3.0	**Lab Sample ID:**	1305024-003A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 12:56	**Certified Clean WO # :**	
Canister/Tube ID:	A7462	**Received PSI :**	11.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/07/13	1	1.2	3.6	ND	ND		415373	NA
trans-1,3-Dichloropropene	ETO15	NA	05/07/13	1	0.87	2.3	ND	ND		415373	NA
Toluene	ETO15	NA	05/07/13	1	0.95	1.9	ND	ND		415373	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/07/13	1	0.85	2.1	ND	ND		415373	NA
cis-1,3-Dichloropropene	ETO15	NA	05/07/13	1	1.1	2.3	ND	ND		415373	NA
Tetrachloroethylene	ETO15	NA	05/07/13	1	0.91	3.4	12.0	1.76		415373	NA
1,1,2-Trichloroethane	ETO15	NA	05/07/13	1	0.93	2.8	ND	ND		415373	NA
Dibromochloromethane	ETO15	NA	05/07/13	1	1.7	4.3	ND	ND		415373	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/07/13	1	2.0	7.7	ND	ND		415373	NA
Trichloroethylene	ETO15	NA	05/08/13	2.5	3.5	14	228	42.22		415396	NA
2-Hexanone	ETO15	NA	05/07/13	1	1.1	4.1	ND	ND		415373	NA
Ethyl Benzene	ETO15	NA	05/07/13	1	0.99	2.2	ND	ND		415373	NA
Chlorobenzene	ETO15	NA	05/07/13	1	0.71	2.3	ND	ND		415373	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/07/13	1	1.0	3.5	ND	ND		415373	NA
m,p-Xylene	ETO15	NA	05/07/13	1	1.6	4.3	ND	ND		415373	NA
o-Xylene	ETO15	NA	05/07/13	1	0.81	2.2	ND	ND		415373	NA
Styrene	ETO15	NA	05/07/13	1	0.69	2.2	ND	ND		415373	NA
Bromoform	ETO15	NA	05/07/13	1	1.1	5.0	ND	ND		415373	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/07/13	1	0.70	3.5	ND	ND		415373	NA
4-Ethyl Toluene	ETO15	NA	05/07/13	1	0.82	2.5	ND	ND		415373	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/07/13	1	0.76	2.5	ND	ND		415373	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/07/13	1	0.69	2.5	ND	ND		415373	NA
1,4-Dichlorobenzene	ETO15	NA	05/07/13	1	0.65	3.0	ND	ND		415373	NA
1,3-Dichlorobenzene	ETO15	NA	05/07/13	1	0.84	3.0	ND	ND		415373	NA
1,2-Dichlorobenzene	ETO15	NA	05/07/13	1	0.91	3.0	ND	ND		415373	NA
Hexachlorobutadiene	ETO15	NA	05/07/13	1	2.4	5.5	ND	ND		415373	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/07/13	1	3.4	7.4	ND	ND		415373	NA
Naphthalene	ETO15	NA	05/07/13	1	1.5	5.2	ND	ND		415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/07/13	1	65	135	108 %			415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/08/13	2.5	65	135	110 %			415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-08-3.0	**Lab Sample ID:**	1305024-003A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 12:56	**Certified Clean WO # :**	
Canister/Tube ID:	A7462	**Received PSI :**	11.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/10/13	3.45	0.017	0.017	2.7			415401	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-08-6.2	**Lab Sample ID:**	1305024-004A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 13:15	**Certified Clean WO # :**	
Canister/Tube ID:	A7558	**Received PSI :**	12.4
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/07/13	1	1.5	5.0	ND	ND		415373	NA
1,1-Difluoroethane	ETO15	NA	05/07/13	1	0.50	1.4	ND	ND		415373	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/07/13	1	4.9	14	ND	ND		415373	NA
Chloromethane	ETO15	NA	05/07/13	1	0.32	1.1	ND	ND		415373	NA
Vinyl Chloride	ETO15	NA	05/07/13	1	0.67	2.6	ND	ND		415373	NA
1,3-Butadiene	ETO15	NA	05/07/13	1	0.45	1.1	ND	ND		415373	NA
Bromomethane	ETO15	NA	05/07/13	1	0.72	2.0	ND	ND		415373	NA
Chloroethane	ETO15	NA	05/07/13	1	0.50	1.3	ND	ND		415373	NA
Trichlorofluoromethane	ETO15	NA	05/07/13	1	1.8	5.6	ND	ND		415373	NA
1,1-Dichloroethene	ETO15	NA	05/07/13	1	0.61	2.0	ND	ND		415373	NA
Freon 113	ETO15	NA	05/07/13	1	0.85	3.9	ND	ND		415373	NA
Carbon Disulfide	ETO15	NA	05/07/13	1	0.81	3.1	11.9	3.84		415373	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/07/13	1	0.97	20	ND	ND		415373	NA
Methylene Chloride	ETO15	NA	05/07/13	1	0.58	28	ND	ND		415373	NA
Acetone	ETO15	NA	05/07/13	1	0.88	19	ND	ND		415373	NA
trans-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.64	2.0	ND	ND		415373	NA
Hexane	ETO15	NA	05/07/13	1	0.53	1.8	ND	ND		415373	NA
MTBE	ETO15	NA	05/07/13	1	0.87	1.8	ND	ND		415373	NA
tert-Butanol	ETO15	NA	05/07/13	1	0.91	8.4	ND	ND		415373	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/07/13	1	0.88	2.1	ND	ND		415373	NA
1,1-Dichloroethane	ETO15	NA	05/07/13	1	0.75	2.1	ND	ND		415373	NA
ETBE	ETO15	NA	05/07/13	1	0.68	2.1	ND	ND		415373	NA
cis-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.54	2.0	ND	ND		415373	NA
Chloroform	ETO15	NA	05/07/13	1	1.2	4.9	ND	ND		415373	NA
Vinyl Acetate	ETO15	NA	05/07/13	1	0.57	1.8	ND	ND		415373	NA
Carbon Tetrachloride	ETO15	NA	05/07/13	1	0.86	3.2	ND	ND		415373	NA
1,1,1-Trichloroethane	ETO15	NA	05/07/13	1	0.85	2.8	25.5	4.64		415373	NA
2-Butanone (MEK)	ETO15	NA	05/07/13	1	0.63	1.5	ND	ND		415373	NA
Ethyl Acetate	ETO15	NA	05/07/13	1	0.74	1.8	ND	ND		415373	NA
Tetrahydrofuran	ETO15	NA	05/07/13	1	0.30	1.5	ND	ND		415373	NA
Benzene	ETO15	NA	05/07/13	1	0.69	1.6	4.87	1.52		415373	NA
TAME	ETO15	NA	05/07/13	1	0.36	2.1	ND	ND		415373	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/07/13	1	0.99	2.1	ND	ND		415373	NA
1,2-Dichloropropane	ETO15	NA	05/07/13	1	1.3	4.6	ND	ND		415373	NA
Bromodichloromethane	ETO15	NA	05/07/13	1	0.89	3.4	ND	ND		415373	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-08-6.2	**Lab Sample ID:**	1305024-004A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 13:15	**Certified Clean WO # :**	
Canister/Tube ID:	A7558	**Received PSI :**	12.4
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/07/13	1	1.2	3.6	ND	ND		415373	NA
trans-1,3-Dichloropropene	ETO15	NA	05/07/13	1	0.87	2.3	ND	ND		415373	NA
Toluene	ETO15	NA	05/07/13	1	0.95	1.9	ND	ND		415373	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/07/13	1	0.85	2.1	ND	ND		415373	NA
cis-1,3-Dichloropropene	ETO15	NA	05/07/13	1	1.1	2.3	ND	ND		415373	NA
Tetrachloroethylene	ETO15	NA	05/07/13	1	0.91	3.4	11.6	1.71		415373	NA
1,1,2-Trichloroethane	ETO15	NA	05/07/13	1	0.93	2.8	ND	ND		415373	NA
Dibromochloromethane	ETO15	NA	05/07/13	1	1.7	4.3	ND	ND		415373	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/07/13	1	2.0	7.7	ND	ND		415373	NA
Trichloroethylene	ETO15	NA	05/08/13	2.5	3.5	14	209	38.70		415396	NA
2-Hexanone	ETO15	NA	05/07/13	1	1.1	4.1	ND	ND		415373	NA
Ethyl Benzene	ETO15	NA	05/07/13	1	0.99	2.2	ND	ND		415373	NA
Chlorobenzene	ETO15	NA	05/07/13	1	0.71	2.3	ND	ND		415373	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/07/13	1	1.0	3.5	ND	ND		415373	NA
m,p-Xylene	ETO15	NA	05/07/13	1	1.6	4.3	ND	ND		415373	NA
o-Xylene	ETO15	NA	05/07/13	1	0.81	2.2	ND	ND		415373	NA
Styrene	ETO15	NA	05/07/13	1	0.69	2.2	ND	ND		415373	NA
Bromoform	ETO15	NA	05/07/13	1	1.1	5.0	ND	ND		415373	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/07/13	1	0.70	3.5	ND	ND		415373	NA
4-Ethyl Toluene	ETO15	NA	05/07/13	1	0.82	2.5	ND	ND		415373	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/07/13	1	0.76	2.5	ND	ND		415373	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/07/13	1	0.69	2.5	ND	ND		415373	NA
1,4-Dichlorobenzene	ETO15	NA	05/07/13	1	0.65	3.0	ND	ND		415373	NA
1,3-Dichlorobenzene	ETO15	NA	05/07/13	1	0.84	3.0	ND	ND		415373	NA
1,2-Dichlorobenzene	ETO15	NA	05/07/13	1	0.91	3.0	ND	ND		415373	NA
Hexachlorobutadiene	ETO15	NA	05/07/13	1	2.4	5.5	ND	ND		415373	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/07/13	1	3.4	7.4	ND	ND		415373	NA
Naphthalene	ETO15	NA	05/07/13	1	1.5	5.2	ND	ND		415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/07/13	1	65	135	110 %			415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/08/13	2.5	65	135	116 %			415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-08-6.2	**Lab Sample ID:**	1305024-004A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 13:15	**Certified Clean WO # :**	
Canister/Tube ID:	A7558	**Received PSI :**	12.4
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/10/13	3.19	0.016	0.016	2.8			415401	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-09-2.5	**Lab Sample ID:**	1305024-005A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 10:54	**Certified Clean WO # :**	
Canister/Tube ID:		**Received PSI :**	0.0
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/08/13	5.5	8.3	28	ND	ND		415396	NA
1,1-Difluoroethane	ETO15	NA	05/08/13	5.5	2.7	7.4	ND	ND		415396	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/08/13	5.5	27	77	ND	ND		415396	NA
Chloromethane	ETO15	NA	05/08/13	5.5	1.7	5.8	ND	ND		415396	NA
Vinyl Chloride	ETO15	NA	05/08/13	5.5	3.7	14	ND	ND		415396	NA
1,3-Butadiene	ETO15	NA	05/08/13	5.5	2.5	6.1	ND	ND		415396	NA
Bromomethane	ETO15	NA	05/08/13	5.5	4.0	11	ND	ND		415396	NA
Chloroethane	ETO15	NA	05/08/13	5.5	2.8	7.2	ND	ND		415396	NA
Trichlorofluoromethane	ETO15	NA	05/08/13	5.5	9.9	31	ND	ND		415396	NA
1,1-Dichloroethene	ETO15	NA	05/08/13	5.5	3.4	11	ND	ND		415396	NA
Freon 113	ETO15	NA	05/08/13	5.5	4.7	21	ND	ND		415396	NA
Carbon Disulfide	ETO15	NA	05/08/13	5.5	4.5	17	ND	ND		415396	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/08/13	5.5	5.3	110	ND	ND		415396	NA
Methylene Chloride	ETO15	NA	05/08/13	5.5	3.2	150	ND	ND		415396	NA
Acetone	ETO15	NA	05/08/13	5.5	4.8	110	ND	ND		415396	NA
trans-1,2-Dichloroethene	ETO15	NA	05/08/13	5.5	3.5	11	ND	ND		415396	NA
Hexane	ETO15	NA	05/08/13	5.5	2.9	9.6	ND	ND		415396	NA
MTBE	ETO15	NA	05/08/13	5.5	4.8	9.9	ND	ND		415396	NA
tert-Butanol	ETO15	NA	05/08/13	5.5	5.0	46	ND	ND		415396	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/08/13	5.5	4.8	12	ND	ND		415396	NA
1,1-Dichloroethane	ETO15	NA	05/08/13	5.5	4.1	11	ND	ND		415396	NA
ETBE	ETO15	NA	05/08/13	5.5	3.7	12	ND	ND		415396	NA
cis-1,2-Dichloroethene	ETO15	NA	05/08/13	5.5	3.0	11	ND	ND		415396	NA
Chloroform	ETO15	NA	05/08/13	5.5	6.8	27	ND	ND		415396	NA
Vinyl Acetate	ETO15	NA	05/08/13	5.5	3.1	9.6	ND	ND		415396	NA
Carbon Tetrachloride	ETO15	NA	05/08/13	5.5	4.7	17	ND	ND		415396	NA
1,1,1-Trichloroethane	ETO15	NA	05/08/13	5.5	4.7	15	86.5	15.73		415396	NA
2-Butanone (MEK)	ETO15	NA	05/08/13	5.5	3.5	8.3	ND	ND		415396	NA
Ethyl Acetate	ETO15	NA	05/08/13	5.5	4.1	9.9	ND	ND		415396	NA
Tetrahydrofuran	ETO15	NA	05/08/13	5.5	1.7	8.3	ND	ND		415396	NA
Benzene	ETO15	NA	05/08/13	5.5	3.8	8.8	ND	ND		415396	NA
TAME	ETO15	NA	05/08/13	5.5	2.0	12	ND	ND		415396	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/08/13	5.5	5.4	11	ND	ND		415396	NA
Trichloroethylene	ETO15	NA	05/08/13	5.5	7.6	30	479	88.70		415396	NA
1,2-Dichloropropane	ETO15	NA	05/08/13	5.5	7.2	25	ND	ND		415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-09-2.5	**Lab Sample ID:**	1305024-005A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 10:54	**Certified Clean WO # :**	
Canister/Tube ID:		**Received PSI :**	0.0
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	05/08/13	5.5	4.9	18	ND	ND		415396	NA
1,4-Dioxane	ETO15	NA	05/08/13	5.5	6.9	20	ND	ND		415396	NA
trans-1,3-Dichloropropene	ETO15	NA	05/08/13	5.5	4.8	12	ND	ND		415396	NA
Toluene	ETO15	NA	05/08/13	5.5	5.2	10	ND	ND		415396	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/08/13	5.5	4.7	11	ND	ND		415396	NA
cis-1,3-Dichloropropene	ETO15	NA	05/08/13	5.5	6.2	12	ND	ND		415396	NA
Tetrachloroethylene	ETO15	NA	05/08/13	5.5	5.0	19	ND	ND		415396	NA
1,1,2-Trichloroethane	ETO15	NA	05/08/13	5.5	5.1	15	ND	ND		415396	NA
Dibromochloromethane	ETO15	NA	05/08/13	5.5	9.6	23	ND	ND		415396	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/08/13	5.5	11	42	ND	ND		415396	NA
2-Hexanone	ETO15	NA	05/08/13	5.5	6.2	23	ND	ND		415396	NA
Ethyl Benzene	ETO15	NA	05/08/13	5.5	5.4	12	ND	ND		415396	NA
Chlorobenzene	ETO15	NA	05/08/13	5.5	3.9	13	ND	ND		415396	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/08/13	5.5	5.7	19	ND	ND		415396	NA
m,p-Xylene	ETO15	NA	05/08/13	5.5	8.9	24	ND	ND		415396	NA
o-Xylene	ETO15	NA	05/08/13	5.5	4.4	12	ND	ND		415396	NA
Styrene	ETO15	NA	05/08/13	5.5	3.8	12	ND	ND		415396	NA
Bromoform	ETO15	NA	05/08/13	5.5	6.1	28	ND	ND		415396	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/08/13	5.5	3.9	19	ND	ND		415396	NA
4-Ethyl Toluene	ETO15	NA	05/08/13	5.5	4.5	13	ND	ND		415396	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/08/13	5.5	4.2	13	ND	ND		415396	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/08/13	5.5	3.8	13	ND	ND		415396	NA
1,4-Dichlorobenzene	ETO15	NA	05/08/13	5.5	3.6	17	ND	ND		415396	NA
1,3-Dichlorobenzene	ETO15	NA	05/08/13	5.5	4.6	17	ND	ND		415396	NA
Benzyl Chloride	ETO15	NA	05/08/13	5.5	3.4	14	ND	ND		415396	NA
1,2-Dichlorobenzene	ETO15	NA	05/08/13	5.5	5.0	17	ND	ND		415396	NA
Hexachlorobutadiene	ETO15	NA	05/08/13	5.5	13	30	ND	ND		415396	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/08/13	5.5	19	41	ND	ND		415396	NA
Naphthalene	ETO15	NA	05/08/13	5.5	8.0	29	ND	ND		415396	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/08/13	5.5	65	135	115 %			415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-09-2.5	**Lab Sample ID:**	1305024-005A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 10:54	**Certified Clean WO # :**	
Canister/Tube ID:		**Received PSI :**	0.0
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/10/13	2.2	0.011	0.011	2.5			415401	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-09-4.6	**Lab Sample ID:**	1305024-006A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 11:26	**Certified Clean WO # :**	
Canister/Tube ID:	A7545	**Received PSI :**	12.3
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/07/13	1	1.5	5.0	ND	ND		415373	NA
1,1-Difluoroethane	ETO15	NA	05/07/13	1	0.50	1.4	ND	ND		415373	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/07/13	1	4.9	14	ND	ND		415373	NA
Chloromethane	ETO15	NA	05/07/13	1	0.32	1.1	ND	ND		415373	NA
Vinyl Chloride	ETO15	NA	05/07/13	1	0.67	2.6	ND	ND		415373	NA
1,3-Butadiene	ETO15	NA	05/07/13	1	0.45	1.1	ND	ND		415373	NA
Bromomethane	ETO15	NA	05/07/13	1	0.72	2.0	ND	ND		415373	NA
Chloroethane	ETO15	NA	05/07/13	1	0.50	1.3	ND	ND		415373	NA
Trichlorofluoromethane	ETO15	NA	05/07/13	1	1.8	5.6	ND	ND		415373	NA
1,1-Dichloroethene	ETO15	NA	05/07/13	1	0.61	2.0	ND	ND		415373	NA
Freon 113	ETO15	NA	05/07/13	1	0.85	3.9	ND	ND		415373	NA
Carbon Disulfide	ETO15	NA	05/07/13	1	0.81	3.1	ND	ND		415373	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/07/13	1	0.97	20	ND	ND		415373	NA
Methylene Chloride	ETO15	NA	05/07/13	1	0.58	28	ND	ND		415373	NA
Acetone	ETO15	NA	05/07/13	1	0.88	19	ND	ND		415373	NA
trans-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.64	2.0	ND	ND		415373	NA
Hexane	ETO15	NA	05/07/13	1	0.53	1.8	ND	ND		415373	NA
MTBE	ETO15	NA	05/07/13	1	0.87	1.8	ND	ND		415373	NA
tert-Butanol	ETO15	NA	05/07/13	1	0.91	8.4	ND	ND		415373	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/07/13	1	0.88	2.1	ND	ND		415373	NA
1,1-Dichloroethane	ETO15	NA	05/07/13	1	0.75	2.1	ND	ND		415373	NA
ETBE	ETO15	NA	05/07/13	1	0.68	2.1	ND	ND		415373	NA
cis-1,2-Dichloroethene	ETO15	NA	05/07/13	1	0.54	2.0	ND	ND		415373	NA
Chloroform	ETO15	NA	05/07/13	1	1.2	4.9	ND	ND		415373	NA
Vinyl Acetate	ETO15	NA	05/07/13	1	0.57	1.8	ND	ND		415373	NA
Carbon Tetrachloride	ETO15	NA	05/07/13	1	0.86	3.2	ND	ND		415373	NA
1,1,1-Trichloroethane	ETO15	NA	05/07/13	1	0.85	2.8	70.1	12.75		415373	NA
2-Butanone (MEK)	ETO15	NA	05/07/13	1	0.63	1.5	ND	ND		415373	NA
Ethyl Acetate	ETO15	NA	05/07/13	1	0.74	1.8	ND	ND		415373	NA
Tetrahydrofuran	ETO15	NA	05/07/13	1	0.30	1.5	ND	ND		415373	NA
Benzene	ETO15	NA	05/07/13	1	0.69	1.6	ND	ND		415373	NA
TAME	ETO15	NA	05/07/13	1	0.36	2.1	ND	ND		415373	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/07/13	1	0.99	2.1	ND	ND		415373	NA
1,2-Dichloropropane	ETO15	NA	05/07/13	1	1.3	4.6	ND	ND		415373	NA
Bromodichloromethane	ETO15	NA	05/07/13	1	0.89	3.4	ND	ND		415373	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-09-4.6	**Lab Sample ID:**	1305024-006A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 11:26	**Certified Clean WO # :**	
Canister/Tube ID:	A7545	**Received PSI :**	12.3
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/07/13	1	1.2	3.6	ND	ND		415373	NA
trans-1,3-Dichloropropene	ETO15	NA	05/07/13	1	0.87	2.3	ND	ND		415373	NA
Toluene	ETO15	NA	05/07/13	1	0.95	1.9	ND	ND		415373	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/07/13	1	0.85	2.1	ND	ND		415373	NA
cis-1,3-Dichloropropene	ETO15	NA	05/07/13	1	1.1	2.3	ND	ND		415373	NA
Tetrachloroethylene	ETO15	NA	05/07/13	1	0.91	3.4	ND	ND		415373	NA
1,1,2-Trichloroethane	ETO15	NA	05/07/13	1	0.93	2.8	ND	ND		415373	NA
Dibromochloromethane	ETO15	NA	05/07/13	1	1.7	4.3	ND	ND		415373	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/07/13	1	2.0	7.7	ND	ND		415373	NA
Trichloroethylene	ETO15	NA	05/08/13	4.23	5.9	23	214	39.63		415396	NA
2-Hexanone	ETO15	NA	05/07/13	1	1.1	4.1	ND	ND		415373	NA
Ethyl Benzene	ETO15	NA	05/07/13	1	0.99	2.2	ND	ND		415373	NA
Chlorobenzene	ETO15	NA	05/07/13	1	0.71	2.3	ND	ND		415373	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/07/13	1	1.0	3.5	ND	ND		415373	NA
m,p-Xylene	ETO15	NA	05/07/13	1	1.6	4.3	ND	ND		415373	NA
o-Xylene	ETO15	NA	05/07/13	1	0.81	2.2	ND	ND		415373	NA
Styrene	ETO15	NA	05/07/13	1	0.69	2.2	ND	ND		415373	NA
Bromoform	ETO15	NA	05/07/13	1	1.1	5.0	ND	ND		415373	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/07/13	1	0.70	3.5	ND	ND		415373	NA
4-Ethyl Toluene	ETO15	NA	05/07/13	1	0.82	2.5	ND	ND		415373	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/07/13	1	0.76	2.5	ND	ND		415373	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/07/13	1	0.69	2.5	ND	ND		415373	NA
1,4-Dichlorobenzene	ETO15	NA	05/07/13	1	0.65	3.0	ND	ND		415373	NA
1,3-Dichlorobenzene	ETO15	NA	05/07/13	1	0.84	3.0	ND	ND		415373	NA
1,2-Dichlorobenzene	ETO15	NA	05/07/13	1	0.91	3.0	ND	ND		415373	NA
Hexachlorobutadiene	ETO15	NA	05/07/13	1	2.4	5.5	ND	ND		415373	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/07/13	1	3.4	7.4	ND	ND		415373	NA
Naphthalene	ETO15	NA	05/07/13	1	1.5	5.2	ND	ND		415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/07/13	1	65	135	82.4 %			415373	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/08/13	4.23	65	135	105 %			415396	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/03/13
Date Reported: 05/10/13

Client Sample ID:	SG-09-4.6	**Lab Sample ID:**	1305024-006A
Project Name/Location:	Former Francis Plating	**Sample Matrix:**	Air
Project Number:	01-FP-001		
Date/Time Sampled:	05/01/13 / 11:26	**Certified Clean WO # :**	
Canister/Tube ID:	A7545	**Received PSI :**	12.3
Collection Volume (L):	0.00	**Corrected PSI :**	0.0
Tag Number:	Former Francis Plating		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/10/13	1.67	0.0084	0.0084	2.2			415401	NA

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/07/13	**Analytical Batch:**	415373
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.30	1.00	ND	
1,1-Difluoroethane	0.18	10.0	ND	
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND	
Chloromethane	0.15	0.500	ND	
Vinyl Chloride	0.26	1.00	ND	
1,3-Butadiene	0.20	0.500	ND	
Bromomethane	0.18	0.500	ND	
Chloroethane	0.19	0.500	ND	
Trichlorofluoromethane	0.32	1.00	ND	
1,1-Dichloroethene	0.15	0.500	ND	
Freon 113	0.11	0.500	ND	
Carbon Disulfide	0.26	1.00	ND	
2-Propanol (Isopropyl Alcohol)	0.39	8.00	ND	
Methylene Chloride	0.17	8.00	0.335	
Acetone	0.37	8.00	ND	
trans-1,2-Dichloroethene	0.16	0.500	ND	
Hexane	0.15	0.500	ND	
MTBE	0.24	0.500	ND	
tert-Butanol	0.22	2.00	ND	
Diisopropyl ether (DIPE)	0.21	0.500	ND	
1,1-Dichloroethane	0.18	0.500	ND	
ETBE	0.16	0.500	ND	
cis-1,2-Dichloroethene	0.13	0.500	ND	
Chloroform	0.25	1.00	ND	
Vinyl Acetate	0.16	0.500	ND	
Carbon Tetrachloride	0.14	0.500	ND	
1,1,1-Trichloroethane	0.15	0.500	ND	
2-Butanone (MEK)	0.21	0.500	ND	
Ethyl Acetate	0.21	0.500	ND	
Tetrahydrofuran	0.10	0.500	ND	
Benzene	0.21	0.500	ND	
TAME	0.086	0.500	ND	
1,2-Dichloroethane (EDC)	0.24	0.500	ND	
Trichloroethylene	0.26	1.00	ND	
1,2-Dichloropropane	0.29	1.00	ND	
Bromodichloromethane	0.13	0.500	ND	
1,4-Dioxane	0.35	1.00	ND	
trans-1,3-Dichloropropene	0.19	0.500	ND	
Toluene	0.25	0.500	ND	
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND	
cis-1,3-Dichloropropene	0.25	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/07/13	**Analytical Batch:**	415373
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Tetrachloroethylene	0.13	0.500	ND	
1,1,2-Trichloroethane	0.17	0.500	ND	
Dibromochloromethane	0.20	0.500	ND	
1,2-Dibromoethane (EDB)	0.27	1.00	ND	
2-Hexanone	0.27	1.00	ND	
Ethyl Benzene	0.23	0.500	ND	
Chlorobenzene	0.15	0.500	ND	
1,1,1,2-Tetrachloroethane	0.15	0.500	ND	
m,p-Xylene	0.38	1.00	ND	
o-Xylene	0.19	0.500	ND	
Styrene	0.16	0.500	ND	
Bromoform	0.11	0.500	ND	
1,1,2,2-Tetrachloroethane	0.10	0.500	ND	
4-Ethyl Toluene	0.17	0.500	ND	
1,3,5-Trimethylbenzene	0.15	0.500	ND	
1,2,4-Trimethylbenzene	0.14	0.500	ND	
1,4-Dichlorobenzene	0.11	0.500	ND	
1,3-Dichlorobenzene	0.14	0.500	ND	
1,2-Dichlorobenzene	0.15	0.500	ND	
Hexachlorobutadiene	0.22	0.500	ND	
1,2,4-Trichlorobenzene	0.46	1.00	ND	
Naphthalene	0.28	1.00	ND	
(S) 4-Bromofluorobenzene			97.8	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/08/13	**Analytical Batch:**	415396
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.30	1.00	ND	
1,1-Difluoroethane	0.18	10.0	ND	
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND	
Chloromethane	0.15	0.500	ND	
Vinyl Chloride	0.26	1.00	ND	
1,3-Butadiene	0.20	0.500	ND	
Bromomethane	0.18	0.500	ND	
Chloroethane	0.19	0.500	ND	
Trichlorofluoromethane	0.32	1.00	ND	
1,1-Dichloroethene	0.15	0.500	ND	
Freon 113	0.11	0.500	ND	
Carbon Disulfide	0.26	1.00	ND	
2-Propanol (Isopropyl Alcohol)	0.39	8.00	ND	
Methylene Chloride	0.17	8.00	ND	
Acetone	0.37	8.00	0.550	
trans-1,2-Dichloroethene	0.16	0.500	ND	
Hexane	0.15	0.500	ND	
MTBE	0.24	0.500	ND	
tert-Butanol	0.22	2.00	ND	
Diisopropyl ether (DIPE)	0.21	0.500	ND	
1,1-Dichloroethane	0.18	0.500	ND	
ETBE	0.16	0.500	ND	
cis-1,2-Dichloroethene	0.13	0.500	ND	
Chloroform	0.25	1.00	ND	
Vinyl Acetate	0.16	0.500	ND	
Carbon Tetrachloride	0.14	0.500	ND	
1,1,1-Trichloroethane	0.15	0.500	ND	
2-Butanone (MEK)	0.21	0.500	ND	
Ethyl Acetate	0.21	0.500	ND	
Tetrahydrofuran	0.10	0.500	ND	
Benzene	0.21	0.500	ND	
TAME	0.086	0.500	ND	
1,2-Dichloroethane (EDC)	0.24	0.500	ND	
Trichloroethylene	0.26	1.00	ND	
1,2-Dichloropropane	0.29	1.00	ND	
Bromodichloromethane	0.13	0.500	ND	
1,4-Dioxane	0.35	1.00	ND	
trans-1,3-Dichloropropene	0.19	0.500	ND	
Toluene	0.25	0.500	ND	
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND	
cis-1,3-Dichloropropene	0.25	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/08/13	**Analytical Batch:**	415396
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Tetrachloroethylene	0.13	0.500	ND	
1,1,2-Trichloroethane	0.17	0.500	ND	
Dibromochloromethane	0.20	0.500	ND	
1,2-Dibromoethane (EDB)	0.27	1.00	ND	
2-Hexanone	0.27	1.00	ND	
Ethyl Benzene	0.23	0.500	ND	
Chlorobenzene	0.15	0.500	ND	
1,1,1,2-Tetrachloroethane	0.15	0.500	ND	
m,p-Xylene	0.38	1.00	ND	
o-Xylene	0.19	0.500	ND	
Styrene	0.16	0.500	ND	
Bromoform	0.11	0.500	ND	
1,1,2,2-Tetrachloroethane	0.10	0.500	ND	
4-Ethyl Toluene	0.17	0.500	ND	
1,3,5-Trimethylbenzene	0.15	0.500	ND	
1,2,4-Trimethylbenzene	0.14	0.500	ND	
1,4-Dichlorobenzene	0.11	0.500	ND	
1,3-Dichlorobenzene	0.14	0.500	ND	
1,2-Dichlorobenzene	0.15	0.500	ND	
Hexachlorobutadiene	0.22	0.500	ND	
1,2,4-Trichlorobenzene	0.46	1.00	ND	
Naphthalene	0.28	1.00	ND	
(S) 4-Bromofluorobenzene			113	

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	05/10/13	**Analytical Batch:**	415401
Units:	%						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	0.0050	0.0050	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/07/13	**Analytical Batch:**	415373
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.15	0.500	ND	8	101	94.1	7.16	65 - 135	30	
Benzene	0.21	0.500	ND	8	93.6	95.3	1.87	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	8	104	105	0.729	65 - 135	30	
Toluene	0.25	0.500	ND	8	88.8	90.3	1.62	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	8	84.0	83.0	1.15	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	8	80.0	76.3		65 - 135		

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/08/13	**Analytical Batch:**	415396
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.15	0.500	ND	8	112	111	1.01	65 - 135	30	
Benzene	0.21	0.500	ND	8	95.2	90.8	4.65	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	8	97.0	96.5	0.517	65 - 135	30	
Toluene	0.25	0.500	ND	8	93.8	93.9	0.173	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	8	87.7	86.3	1.67	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	8	87.5	85.0		65 - 135		

Work Order:	1305024	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	05/10/13	**Analytical Batch:**	415401
Units:	%						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	0.0050	0.0050	ND	1000	101	110	8.78	65 - 135	30	

Torrent LABORATORY, INC.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank

D - Surrogate is not recoverable due to the necessary dilution of the sample

E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.

H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

NA - Not Analyzed

N/A - Not Applicable

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: The Source Group, Inc

Project Name: Former Francis Plating

Work Order No.: 1305024

Date and Time Received: 5/3/2013 15:08

Received By: kb

Physically Logged By: kb

Checklist Completed By: kb

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	23	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Air samples received at ambient temperature.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1305024

Company Name: The Source Group, Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Former Francis Plating

Address: 3478 Buskirk Ave, Suite 100 | Purpose:

City: Pleasant Hill | State: CA | Zip Code: 94523 | Special Instructions / Comments:

Telephone: 925-944-2856 | FAX: 925-944-2859 | Project No. 01-FP-001

REPORT TO: Matt Sutton | SAMPLER: Mary Cunningham | P.O. #: | EMAIL: msutton@thesourcegroup.net

TURNAROUND TIME:
☒ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☑ Air
☐ Waste Water ☐ Other
☐ Ground Water
☐ Soil

REPORT FORMAT:
☑ QC Level IV
☑ EDF
☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TO-15 (VOCs)	Helium by ASTM D1946	REMARKS
		~~Sub-Slab1~~					✓	✓	
		~~Sub-Slab2~~					✓	✓	
		~~Sub-Slab3~~					✓	✓	
001A	6321	SG-07-2.5	5/1/13 1402	Vapor	1	1L SUMMA	✓	✓	
002A	6115	SG-07-4.0	5/1/13 1423		1	1L SUMMA	✓	✓	
003A	A7462	SG-08-3.0	5/1/13 1256		1	1L SUMMA	✓	✓	
004A	A7558	SG-08-6.2	5/1/13 1315		1	1L SUMMA	✓	✓	
005A	A7468	SG-09-2.5	5/1/13 1054		1	1L SUMMA	✓	✓	
006A	A7545	SG-09-4.6	5/1/13 1126		1	1L SUMMA	✓	✓	

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Mary Cunningham	5/3/13	1200	[signature]	Chris Nagel	5/3/13	1205 PM
2	[signature]	Chris Nagel	5/3/13	1505	[signature]	K. Berglund	5/3/13	3:08PM

Were Samples Received in Good Condition? ☑ Yes ☐ NO | Samples on Ice? ☐ Yes ☑ NO | Method of Shipment: FCS | Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. | Temp 23 °C | Page 1 of

Log In By: KB | Date: 5/03/13 | Log In Reviewed By: | Date: | Rev. 1

Matthew C. Sutton
The Source Group, Inc
3478 Buskirk Avenue, Suite 100
Pleasant Hill, California 94523
Tel: 925.951.6386
Fax: 925.944.2859
Email: msutton@thesourcegroup.net

RE:

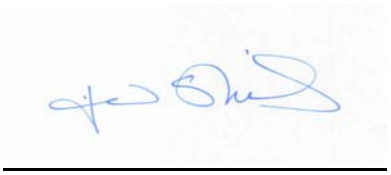
Work Order No.: 1305039

Dear Matthew Sutton:

Torrent Laboratory, Inc. received 3 sample(s) on May 08, 2013 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Janice Winn-Shilling
Sr. Project Manager

May 15, 2013
Date

Date: 5/15/2013

Client: The Source Group, Inc

Project:

Work Order: 1305039

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Subslab 2 1305039-001A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	2.5	0.013	0.013	2.3
1,1-Dichloroethene	ETO15	50	31	100	2200
Acetone	ETO15	50	44	960	1810
Hexane	ETO15	50	26	88	7630
tert-Butanol	ETO15	50	46	420	2560
Carbon Tetrachloride	ETO15	50	43	160	554
1,1,1-Trichloroethane	ETO15	50	42	140	4200
Benzene	ETO15	50	34	80	2800
Toluene	ETO15	50	48	95	2930
Tetrachloroethylene	ETO15	50	45	170	850
Ethyl Benzene	ETO15	50	50	110	2600
m,p-Xylene	ETO15	50	81	220	611
o-Xylene	ETO15	50	40	110	5250
Styrene	ETO15	50	34	110	205
4-Ethyl Toluene	ETO15	50	41	120	3960
1,3,5-Trimethylbenzene	ETO15	50	38	120	7580
1,2,4-Trimethylbenzene	ETO15	50	34	120	2000

Subslab 1 1305039-002A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Acetone	ETO15	1.5	1.3	29	5.22
2-Butanone (MEK)	ETO15	1.5	0.94	2.3	1.17
Ethyl Acetate	ETO15	1.5	1.1	2.7	1.40
Helium	D1946	6	0.030	0.030	4.0

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Subslab 3 1305039-003A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1,1-Trichloroethane	ETO15	50	42	140	4750
2-Butanone (MEK)	ETO15	50	31	75	84.0
Ethyl Acetate	ETO15	50	37	90	101
Trichloroethylene	ETO15	50	69	270	5170
Tetrachloroethylene	ETO15	50	45	170	1360
4-Ethyl Toluene	ETO15	50	41	120	191
1,3,5-Trimethylbenzene	ETO15	50	38	120	466
1,2,4-Trimethylbenzene	ETO15	50	34	120	162
Helium	D1946	75	0.38	0.38	29

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 2	**Lab Sample ID:**	1305039-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:23	**Certified Clean WO # :**	
Canister/Tube ID:	A7552	**Received PSI :**	13.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/09/13	50	76	250	ND	ND		415444	NA
1,1-Difluoroethane	ETO15	NA	05/09/13	50	25	68	ND	ND		415444	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/09/13	50	250	700	ND	ND		415444	NA
Chloromethane	ETO15	NA	05/09/13	50	16	53	ND	ND		415444	NA
Vinyl Chloride	ETO15	NA	05/09/13	50	33	130	ND	ND		415444	NA
1,3-Butadiene	ETO15	NA	05/09/13	50	22	55	ND	ND		415444	NA
Bromomethane	ETO15	NA	05/09/13	50	36	98	ND	ND		415444	NA
Chloroethane	ETO15	NA	05/09/13	50	25	65	ND	ND		415444	NA
Trichlorofluoromethane	ETO15	NA	05/09/13	50	90	280	ND	ND		415444	NA
1,1-Dichloroethene	ETO15	NA	05/09/13	50	31	100	2200	550.00		415444	NA
Freon 113	ETO15	NA	05/09/13	50	42	190	ND	ND		415444	NA
Carbon Disulfide	ETO15	NA	05/09/13	50	41	160	ND	ND		415444	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/09/13	50	49	1000	ND	ND		415444	NA
Methylene Chloride	ETO15	NA	05/09/13	50	29	1400	ND	ND		415444	NA
Acetone	ETO15	NA	05/09/13	50	44	960	1810	754.17		415444	NA
trans-1,2-Dichloroethene	ETO15	NA	05/09/13	50	32	100	ND	ND		415444	NA
Hexane	ETO15	NA	05/09/13	50	26	88	7630	2,180.00		415444	NA
MTBE	ETO15	NA	05/09/13	50	43	90	ND	ND		415444	NA
tert-Butanol	ETO15	NA	05/09/13	50	46	420	2560	609.52		415444	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/09/13	50	44	110	ND	ND		415444	NA
1,1-Dichloroethane	ETO15	NA	05/09/13	50	38	100	ND	ND		415444	NA
ETBE	ETO15	NA	05/09/13	50	34	110	ND	ND		415444	NA
cis-1,2-Dichloroethene	ETO15	NA	05/09/13	50	27	100	ND	ND		415444	NA
Chloroform	ETO15	NA	05/09/13	50	62	250	ND	ND		415444	NA
Vinyl Acetate	ETO15	NA	05/09/13	50	28	88	ND	ND		415444	NA
Carbon Tetrachloride	ETO15	NA	05/09/13	50	43	160	554	87.94		415444	NA
1,1,1-Trichloroethane	ETO15	NA	05/09/13	50	42	140	4200	763.64		415444	NA
2-Butanone (MEK)	ETO15	NA	05/09/13	50	31	75	ND	ND		415444	NA
Ethyl Acetate	ETO15	NA	05/09/13	50	37	90	ND	ND		415444	NA
Tetrahydrofuran	ETO15	NA	05/09/13	50	15	75	ND	ND		415444	NA
Benzene	ETO15	NA	05/09/13	50	34	80	2800	875.00		415444	NA
TAME	ETO15	NA	05/09/13	50	18	110	ND	ND		415444	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/09/13	50	49	100	ND	ND		415444	NA
Trichloroethylene	ETO15	NA	05/09/13	50	69	270	ND	ND		415444	NA
1,2-Dichloropropane	ETO15	NA	05/09/13	50	66	230	ND	ND		415444	NA
Bromodichloromethane	ETO15	NA	05/09/13	50	44	170	ND	ND		415444	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 2	**Lab Sample ID:**	1305039-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:23	**Certified Clean WO # :**	
Canister/Tube ID:	A7552	**Received PSI :**	13.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/09/13	50	62	180	ND	ND		415444	NA
trans-1,3-Dichloropropene	ETO15	NA	05/09/13	50	43	110	ND	ND		415444	NA
Toluene	ETO15	NA	05/09/13	50	48	95	2930	771.05		415444	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/09/13	50	42	100	ND	ND		415444	NA
cis-1,3-Dichloropropene	ETO15	NA	05/09/13	50	56	110	ND	ND		415444	NA
Tetrachloroethylene	ETO15	NA	05/09/13	50	45	170	850	125.00		415444	NA
1,1,2-Trichloroethane	ETO15	NA	05/09/13	50	46	140	ND	ND		415444	NA
Dibromochloromethane	ETO15	NA	05/09/13	50	87	210	ND	ND		415444	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/09/13	50	100	390	ND	ND		415444	NA
2-Hexanone	ETO15	NA	05/09/13	50	56	210	ND	ND		415444	NA
Ethyl Benzene	ETO15	NA	05/09/13	50	50	110	2600	604.65		415444	NA
Chlorobenzene	ETO15	NA	05/09/13	50	36	120	ND	ND		415444	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/09/13	50	52	170	ND	ND		415444	NA
m,p-Xylene	ETO15	NA	05/09/13	50	81	220	611	142.09		415444	NA
o-Xylene	ETO15	NA	05/09/13	50	40	110	5250	1,220.93		415444	NA
Styrene	ETO15	NA	05/09/13	50	34	110	205	46.59		415444	NA
Bromoform	ETO15	NA	05/09/13	50	55	250	ND	ND		415444	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/09/13	50	35	170	ND	ND		415444	NA
4-Ethyl Toluene	ETO15	NA	05/09/13	50	41	120	3960	808.16		415444	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/09/13	50	38	120	7580	1,546.94		415444	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/09/13	50	34	120	2000	408.16		415444	NA
1,4-Dichlorobenzene	ETO15	NA	05/09/13	50	32	150	ND	ND		415444	NA
1,3-Dichlorobenzene	ETO15	NA	05/09/13	50	42	150	ND	ND		415444	NA
1,2-Dichlorobenzene	ETO15	NA	05/09/13	50	45	150	ND	ND		415444	NA
Hexachlorobutadiene	ETO15	NA	05/09/13	50	120	280	ND	ND		415444	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/09/13	50	170	370	ND	ND		415444	NA
Naphthalene	ETO15	NA	05/09/13	50	73	260	ND	ND		415444	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/09/13	50	65	135	94.4 %			415444	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/14/13	2.5	0.013	0.013	2.3			415451	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 1	**Lab Sample ID:**	1305039-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:56	**Certified Clean WO # :**	
Canister/Tube ID:	6337	**Received PSI :**	6.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	ETO15	NA	05/13/13	1.5	2.3	7.5	ND	ND		415441	NA
1,1-Difluoroethane	ETO15	NA	05/13/13	1.5	0.75	2.0	ND	ND		415441	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/13/13	1.5	7.4	21	ND	ND		415441	NA
Chloromethane	ETO15	NA	05/13/13	1.5	0.48	1.6	ND	ND		415441	NA
Vinyl Chloride	ETO15	NA	05/13/13	1.5	1.0	3.9	ND	ND		415441	NA
1,3-Butadiene	ETO15	NA	05/13/13	1.5	0.67	1.7	ND	ND		415441	NA
Bromomethane	ETO15	NA	05/13/13	1.5	1.1	2.9	ND	ND		415441	NA
Chloroethane	ETO15	NA	05/13/13	1.5	0.75	2.0	ND	ND		415441	NA
Trichlorofluoromethane	ETO15	NA	05/13/13	1.5	2.7	8.4	ND	ND		415441	NA
1,1-Dichloroethene	ETO15	NA	05/13/13	1.5	0.92	3.0	ND	ND		415441	NA
Freon 113	ETO15	NA	05/13/13	1.5	1.3	5.8	ND	ND		415441	NA
Carbon Disulfide	ETO15	NA	05/13/13	1.5	1.2	4.7	ND	ND		415441	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/13/13	1.5	1.5	30	ND	ND		415441	NA
Methylene Chloride	ETO15	NA	05/13/13	1.5	0.88	42	ND	ND		415441	NA
Acetone	ETO15	NA	05/13/13	1.5	1.3	29	5.22	2.18	J	415441	NA
trans-1,2-Dichloroethene	ETO15	NA	05/13/13	1.5	0.96	3.0	ND	ND		415441	NA
Hexane	ETO15	NA	05/13/13	1.5	0.79	2.6	ND	ND		415441	NA
MTBE	ETO15	NA	05/13/13	1.5	1.3	2.7	ND	ND		415441	NA
tert-Butanol	ETO15	NA	05/13/13	1.5	1.4	13	ND	ND		415441	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/13/13	1.5	1.3	3.2	ND	ND		415441	NA
1,1-Dichloroethane	ETO15	NA	05/13/13	1.5	1.1	3.1	ND	ND		415441	NA
ETBE	ETO15	NA	05/13/13	1.5	1.0	3.2	ND	ND		415441	NA
cis-1,2-Dichloroethene	ETO15	NA	05/13/13	1.5	0.81	3.0	ND	ND		415441	NA
Chloroform	ETO15	NA	05/13/13	1.5	1.8	7.4	ND	ND		415441	NA
Vinyl Acetate	ETO15	NA	05/13/13	1.5	0.85	2.6	ND	ND		415441	NA
Carbon Tetrachloride	ETO15	NA	05/13/13	1.5	1.3	4.7	ND	ND		415441	NA
1,1,1-Trichloroethane	ETO15	NA	05/13/13	1.5	1.3	4.1	ND	ND		415441	NA
2-Butanone (MEK)	ETO15	NA	05/13/13	1.5	0.94	2.3	1.17	0.39	J	415441	NA
Ethyl Acetate	ETO15	NA	05/13/13	1.5	1.1	2.7	1.40	0.39	J	415441	NA
Tetrahydrofuran	ETO15	NA	05/13/13	1.5	0.45	2.3	ND	ND		415441	NA
Benzene	ETO15	NA	05/13/13	1.5	1.0	2.4	ND	ND		415441	NA
TAME	ETO15	NA	05/13/13	1.5	0.54	3.2	ND	ND		415441	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/13/13	1.5	1.5	3.1	ND	ND		415441	NA
Trichloroethylene	ETO15	NA	05/13/13	1.5	2.1	8.1	ND	ND		415441	NA
1,2-Dichloropropane	ETO15	NA	05/13/13	1.5	2.0	6.9	ND	ND		415441	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 1	**Lab Sample ID:**	1305039-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:56	**Certified Clean WO # :**	
Canister/Tube ID:	6337	**Received PSI :**	6.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	05/13/13	1.5	1.3	5.0	ND	ND		415441	NA
1,4-Dioxane	ETO15	NA	05/13/13	1.5	1.9	5.4	ND	ND		415441	NA
trans-1,3-Dichloropropene	ETO15	NA	05/13/13	1.5	1.3	3.4	ND	ND		415441	NA
Toluene	ETO15	NA	05/13/13	1.5	1.4	2.9	ND	ND		415441	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/13/13	1.5	1.3	3.1	ND	ND		415441	NA
cis-1,3-Dichloropropene	ETO15	NA	05/13/13	1.5	1.7	3.4	ND	ND		415441	NA
Tetrachloroethylene	ETO15	NA	05/13/13	1.5	1.4	5.1	ND	ND		415441	NA
1,1,2-Trichloroethane	ETO15	NA	05/13/13	1.5	1.4	4.1	ND	ND		415441	NA
Dibromochloromethane	ETO15	NA	05/13/13	1.5	2.6	6.4	ND	ND		415441	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/13/13	1.5	3.1	12	ND	ND		415441	NA

NOTE: Reporting limit increased due to low initial pressure in canister.

The results shown below are reported using their MDL.

2-Hexanone	ETO15	NA	05/13/13	1.5	1.7	6.2	ND	ND		415441	NA
Ethyl Benzene	ETO15	NA	05/13/13	1.5	1.5	3.2	ND	ND		415441	NA
Chlorobenzene	ETO15	NA	05/13/13	1.5	1.1	3.5	ND	ND		415441	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/13/13	1.5	1.6	5.2	ND	ND		415441	NA
m,p-Xylene	ETO15	NA	05/13/13	1.5	2.4	6.5	ND	ND		415441	NA
o-Xylene	ETO15	NA	05/13/13	1.5	1.2	3.2	ND	ND		415441	NA
Styrene	ETO15	NA	05/13/13	1.5	1.0	3.3	ND	ND		415441	NA
Bromoform	ETO15	NA	05/13/13	1.5	1.7	7.5	ND	ND		415441	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/13/13	1.5	1.1	5.2	ND	ND		415441	NA
4-Ethyl Toluene	ETO15	NA	05/13/13	1.5	1.2	3.7	ND	ND		415441	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/13/13	1.5	1.1	3.7	ND	ND		415441	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/13/13	1.5	1.0	3.7	ND	ND		415441	NA
1,4-Dichlorobenzene	ETO15	NA	05/13/13	1.5	0.97	4.5	ND	ND		415441	NA
1,3-Dichlorobenzene	ETO15	NA	05/13/13	1.5	1.3	4.5	ND	ND		415441	NA
1,2-Dichlorobenzene	ETO15	NA	05/13/13	1.5	1.4	4.5	ND	ND		415441	NA
Hexachlorobutadiene	ETO15	NA	05/13/13	1.5	3.6	8.3	ND	ND		415441	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/13/13	1.5	5.1	11	ND	ND		415441	NA
Naphthalene	ETO15	NA	05/13/13	1.5	2.2	7.8	ND	ND		415441	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/13/13	1.5	65	135	95.7 %			415441	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 1	**Lab Sample ID:**	1305039-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:56	**Certified Clean WO # :**	
Canister/Tube ID:	6337	**Received PSI :**	6.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/14/13	6	0.030	0.030	4.0			415451	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 3	**Lab Sample ID:**	1305039-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 9:38	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	12.2
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/09/13	50	76	250	ND	ND		415444	NA
1,1-Difluoroethane	ETO15	NA	05/09/13	50	25	68	ND	ND		415444	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/09/13	50	250	700	ND	ND		415444	NA
Chloromethane	ETO15	NA	05/09/13	50	16	53	ND	ND		415444	NA
Vinyl Chloride	ETO15	NA	05/09/13	50	33	130	ND	ND		415444	NA
1,3-Butadiene	ETO15	NA	05/09/13	50	22	55	ND	ND		415444	NA
Bromomethane	ETO15	NA	05/09/13	50	36	98	ND	ND		415444	NA
Chloroethane	ETO15	NA	05/09/13	50	25	65	ND	ND		415444	NA
Trichlorofluoromethane	ETO15	NA	05/09/13	50	90	280	ND	ND		415444	NA
1,1-Dichloroethene	ETO15	NA	05/09/13	50	31	100	ND	ND		415444	NA
Freon 113	ETO15	NA	05/09/13	50	42	190	ND	ND		415444	NA
Carbon Disulfide	ETO15	NA	05/09/13	50	41	160	ND	ND		415444	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/09/13	50	49	1000	ND	ND		415444	NA
Methylene Chloride	ETO15	NA	05/09/13	50	29	1400	ND	ND		415444	NA
Acetone	ETO15	NA	05/09/13	50	44	960	ND	ND		415444	NA
trans-1,2-Dichloroethene	ETO15	NA	05/09/13	50	32	100	ND	ND		415444	NA
Hexane	ETO15	NA	05/09/13	50	26	88	ND	ND		415444	NA
MTBE	ETO15	NA	05/09/13	50	43	90	ND	ND		415444	NA
tert-Butanol	ETO15	NA	05/09/13	50	46	420	ND	ND		415444	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/09/13	50	44	110	ND	ND		415444	NA
1,1-Dichloroethane	ETO15	NA	05/09/13	50	38	100	ND	ND		415444	NA
ETBE	ETO15	NA	05/09/13	50	34	110	ND	ND		415444	NA
cis-1,2-Dichloroethene	ETO15	NA	05/09/13	50	27	100	ND	ND		415444	NA
Chloroform	ETO15	NA	05/09/13	50	62	250	ND	ND		415444	NA
Vinyl Acetate	ETO15	NA	05/09/13	50	28	88	ND	ND		415444	NA
Carbon Tetrachloride	ETO15	NA	05/09/13	50	43	160	ND	ND		415444	NA
1,1,1-Trichloroethane	ETO15	NA	05/09/13	50	42	140	4750	863.64		415444	NA
2-Butanone (MEK)	ETO15	NA	05/09/13	50	31	75	84.0	28.00		415444	NA
Ethyl Acetate	ETO15	NA	05/09/13	50	37	90	101	28.06		415444	NA
Tetrahydrofuran	ETO15	NA	05/09/13	50	15	75	ND	ND		415444	NA
Benzene	ETO15	NA	05/09/13	50	34	80	ND	ND		415444	NA
TAME	ETO15	NA	05/09/13	50	18	110	ND	ND		415444	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/09/13	50	49	100	ND	ND		415444	NA
Trichloroethylene	ETO15	NA	05/09/13	50	69	270	5170	957.41		415444	NA
1,2-Dichloropropane	ETO15	NA	05/09/13	50	66	230	ND	ND		415444	NA
Bromodichloromethane	ETO15	NA	05/09/13	50	44	170	ND	ND		415444	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 05/15/13

Client Sample ID:	Subslab 3	**Lab Sample ID:**	1305039-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 9:38	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	12.2
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/09/13	50	62	180	ND	ND		415444	NA
trans-1,3-Dichloropropene	ETO15	NA	05/09/13	50	43	110	ND	ND		415444	NA
Toluene	ETO15	NA	05/09/13	50	48	95	ND	ND		415444	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/09/13	50	42	100	ND	ND		415444	NA
cis-1,3-Dichloropropene	ETO15	NA	05/09/13	50	56	110	ND	ND		415444	NA
Tetrachloroethylene	ETO15	NA	05/09/13	50	45	170	1360	200.00		415444	NA
1,1,2-Trichloroethane	ETO15	NA	05/09/13	50	46	140	ND	ND		415444	NA
Dibromochloromethane	ETO15	NA	05/09/13	50	87	210	ND	ND		415444	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/09/13	50	100	390	ND	ND		415444	NA
2-Hexanone	ETO15	NA	05/09/13	50	56	210	ND	ND		415444	NA
Ethyl Benzene	ETO15	NA	05/09/13	50	50	110	ND	ND		415444	NA
Chlorobenzene	ETO15	NA	05/09/13	50	36	120	ND	ND		415444	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/09/13	50	52	170	ND	ND		415444	NA
m,p-Xylene	ETO15	NA	05/09/13	50	81	220	ND	ND		415444	NA
o-Xylene	ETO15	NA	05/09/13	50	40	110	ND	ND		415444	NA
Styrene	ETO15	NA	05/09/13	50	34	110	ND	ND		415444	NA
Bromoform	ETO15	NA	05/09/13	50	55	250	ND	ND		415444	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/09/13	50	35	170	ND	ND		415444	NA
4-Ethyl Toluene	ETO15	NA	05/09/13	50	41	120	191	38.98		415444	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/09/13	50	38	120	466	95.10		415444	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/09/13	50	34	120	162	33.06		415444	NA
1,4-Dichlorobenzene	ETO15	NA	05/09/13	50	32	150	ND	ND		415444	NA
1,3-Dichlorobenzene	ETO15	NA	05/09/13	50	42	150	ND	ND		415444	NA
1,2-Dichlorobenzene	ETO15	NA	05/09/13	50	45	150	ND	ND		415444	NA
Hexachlorobutadiene	ETO15	NA	05/09/13	50	120	280	ND	ND		415444	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/09/13	50	170	370	ND	ND		415444	NA
Naphthalene	ETO15	NA	05/09/13	50	73	260	ND	ND		415444	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/09/13	50	65	135	97.4 %			415444	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/14/13	75	0.38	0.38	29			415451	NA

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/13/13	**Analytical Batch:**	415441
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.30	1.00	ND	
1,1-Difluoroethane	0.18	10.0	ND	
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND	
Chloromethane	0.15	0.500	ND	
Vinyl Chloride	0.26	1.00	ND	
1,3-Butadiene	0.20	0.500	ND	
Bromomethane	0.18	0.500	ND	
Chloroethane	0.19	0.500	ND	
Trichlorofluoromethane	0.32	1.00	ND	
1,1-Dichloroethene	0.15	0.500	ND	
Freon 113	0.11	0.500	ND	
Carbon Disulfide	0.26	1.00	ND	
2-Propanol (Isopropyl Alcohol)	0.39	8.00	0.530	
Methylene Chloride	0.17	8.00	ND	
Acetone	0.37	8.00	0.450	
trans-1,2-Dichloroethene	0.16	0.500	ND	
Hexane	0.15	0.500	ND	
MTBE	0.24	0.500	ND	
tert-Butanol	0.22	2.00	ND	
Diisopropyl ether (DIPE)	0.21	0.500	ND	
1,1-Dichloroethane	0.18	0.500	ND	
ETBE	0.16	0.500	ND	
cis-1,2-Dichloroethene	0.13	0.500	ND	
Chloroform	0.25	1.00	ND	
Vinyl Acetate	0.16	0.500	ND	
Carbon Tetrachloride	0.14	0.500	ND	
1,1,1-Trichloroethane	0.15	0.500	ND	
2-Butanone (MEK)	0.21	0.500	ND	
Ethyl Acetate	0.21	0.500	ND	
Tetrahydrofuran	0.10	0.500	ND	
Benzene	0.21	0.500	ND	
TAME	0.086	0.500	ND	
1,2-Dichloroethane (EDC)	0.24	0.500	ND	
Trichloroethylene	0.26	1.00	ND	
1,2-Dichloropropane	0.29	1.00	ND	
Bromodichloromethane	0.13	0.500	ND	
1,4-Dioxane	0.35	1.00	ND	
trans-1,3-Dichloropropene	0.19	0.500	ND	
Toluene	0.25	0.500	ND	
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND	
cis-1,3-Dichloropropene	0.25	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/13/13	**Analytical Batch:**	415441
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Tetrachloroethylene	0.13	0.500	ND		
1,1,2-Trichloroethane	0.17	0.500	ND		
Dibromochloromethane	0.20	0.500	ND		
1,2-Dibromoethane (EDB)	0.27	1.00	ND		
2-Hexanone	0.27	1.00	ND		
Ethyl Benzene	0.23	0.500	ND		
Chlorobenzene	0.15	0.500	ND		
1,1,1,2-Tetrachloroethane	0.15	0.500	ND		
m,p-Xylene	0.38	1.00	ND		
o-Xylene	0.19	0.500	ND		
Styrene	0.16	0.500	ND		
Bromoform	0.11	0.500	ND		
1,1,2,2-Tetrachloroethane	0.10	0.500	ND		
4-Ethyl Toluene	0.17	0.500	ND		
1,3,5-Trimethylbenzene	0.15	0.500	ND		
1,2,4-Trimethylbenzene	0.14	0.500	ND		
1,4-Dichlorobenzene	0.11	0.500	ND		
1,3-Dichlorobenzene	0.14	0.500	ND		
1,2-Dichlorobenzene	0.15	0.500	ND		
Hexachlorobutadiene	0.22	0.500	ND		
1,2,4-Trichlorobenzene	0.46	1.00	ND		
Naphthalene	0.28	1.00	ND		
(S) 4-Bromofluorobenzene			106		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/09/13	**Analytical Batch:**	415444
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.30	1.00	ND	
1,1-Difluoroethane	0.18	10.0	ND	
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND	
Chloromethane	0.15	0.500	ND	
Vinyl Chloride	0.26	1.00	ND	
1,3-Butadiene	0.20	0.500	ND	
Bromomethane	0.18	0.500	ND	
Chloroethane	0.19	0.500	ND	
Trichlorofluoromethane	0.32	1.00	ND	
1,1-Dichloroethene	0.15	0.500	ND	
Freon 113	0.11	0.500	ND	
Carbon Disulfide	0.26	1.00	ND	
2-Propanol (Isopropyl Alcohol)	0.39	8.00	ND	
Methylene Chloride	0.17	8.00	ND	
Acetone	0.37	8.00	0.370	
trans-1,2-Dichloroethene	0.16	0.500	ND	
Hexane	0.15	0.500	ND	
MTBE	0.24	0.500	ND	
tert-Butanol	0.22	2.00	ND	
Diisopropyl ether (DIPE)	0.21	0.500	ND	
1,1-Dichloroethane	0.18	0.500	ND	
ETBE	0.16	0.500	ND	
cis-1,2-Dichloroethene	0.13	0.500	ND	
Chloroform	0.25	1.00	ND	
Vinyl Acetate	0.16	0.500	ND	
Carbon Tetrachloride	0.14	0.500	ND	
1,1,1-Trichloroethane	0.15	0.500	ND	
2-Butanone (MEK)	0.21	0.500	ND	
Ethyl Acetate	0.21	0.500	ND	
Tetrahydrofuran	0.10	0.500	ND	
Benzene	0.21	0.500	ND	
TAME	0.086	0.500	ND	
1,2-Dichloroethane (EDC)	0.24	0.500	ND	
Trichloroethylene	0.26	1.00	ND	
1,2-Dichloropropane	0.29	1.00	ND	
Bromodichloromethane	0.13	0.500	ND	
1,4-Dioxane	0.35	1.00	ND	
trans-1,3-Dichloropropene	0.19	0.500	ND	
Toluene	0.25	0.500	ND	
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND	
cis-1,3-Dichloropropene	0.25	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/09/13	**Analytical Batch:**	415444
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Tetrachloroethylene	0.13	0.500	ND	
1,1,2-Trichloroethane	0.17	0.500	ND	
Dibromochloromethane	0.20	0.500	ND	
1,2-Dibromoethane (EDB)	0.27	1.00	ND	
2-Hexanone	0.27	1.00	ND	
Ethyl Benzene	0.23	0.500	ND	
Chlorobenzene	0.15	0.500	ND	
1,1,1,2-Tetrachloroethane	0.15	0.500	ND	
m,p-Xylene	0.38	1.00	ND	
o-Xylene	0.19	0.500	ND	
Styrene	0.16	0.500	ND	
Bromoform	0.11	0.500	ND	
1,1,2,2-Tetrachloroethane	0.10	0.500	ND	
4-Ethyl Toluene	0.17	0.500	ND	
1,3,5-Trimethylbenzene	0.15	0.500	ND	
1,2,4-Trimethylbenzene	0.14	0.500	ND	
1,4-Dichlorobenzene	0.11	0.500	ND	
1,3-Dichlorobenzene	0.14	0.500	ND	
1,2-Dichlorobenzene	0.15	0.500	ND	
Hexachlorobutadiene	0.22	0.500	ND	
1,2,4-Trichlorobenzene	0.46	1.00	ND	
Naphthalene	0.28	1.00	ND	
(S) 4-Bromofluorobenzene			102	

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	05/14/13	**Analytical Batch:**	415451
Units:	%						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	0.0050	0.0050	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/13/13	**Analytical Batch:**	415441
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.15	0.500	ND	20	97.5	98.2	0.716	65 - 135	30	
Benzene	0.21	0.500	ND	20	92.2	90.2	2.14	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	20	96.6	96.1	0.467	65 - 135	30	
Toluene	0.25	0.500	ND	20	98.0	101	2.67	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	20	88.9	88.0	0.961	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	20	70.0	90.0		65 - 135		

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/09/13	**Analytical Batch:**	415444
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.15	0.500	ND	20	112	102	9.47	65 - 135	30	
Benzene	0.21	0.500	ND	20	107	98.1	8.26	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	20	115	119	3.42	65 - 135	30	
Toluene	0.25	0.500	ND	20	109	114	4.58	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	20	100	97.5	2.63	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	20	90.0	90.0		65 - 135		

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	05/14/13	**Analytical Batch:**	415451
Units:	%						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	0.0050	0.0050	ND	1000	84.1	103	19.8	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: The Source Group, Inc

Project Name:

Work Order No.: 1305039

Date and Time Received: 5/8/2013 16:50

Received By: LDI

Physically Logged By: LDI

Checklist Completed By: LDI

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes		
Container/Temp Blank temperature in compliance?	Yes	Temperature:	°C
Water-VOA vials have zero headspace?	No VOA vials submitted		
Water-pH acceptable upon receipt?	N/A		

pH Checked by: N/A

pH Adjusted by: N/A

Air samples received at ambient temperature.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1305039

Company Name: The Saurce Group, Inc | ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling:

Address: 3478 Buskirk Ave Suite 100 | Purpose:

City: Pleasant Hill | State: CA | Zip Code: 94523 | Special Instructions / Comments:

Telephone: 925-944-2856 | FAX: 925-944-2859 | 01-FP-01

REPORT TO: Matt Sutton | SAMPLER: M Cunningham | P.O. #: | EMAIL: msutton@thesaurcegroup.net

TURNAROUND TIME:
☒ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☒ Air
☐ Waste Water ☐ Other
☐ Ground Water
☐ Soil

REPORT FORMAT:
☒ QC Level IV
☒ EDF
☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TO-15 (VOCs)	He ASTM D1946	REMARKS
001A	A7552	subslab2	5/8/13 0823	Vapor	1	1L SUMMA	✓	✓	
002A	6337	subslab1	5/8/13 0856	↓	↓	↓	✓	✓	
003A	A7481	subslab3	5/8/13 0938	↓	↓	↓	✓	✓	

TORRENT LAB

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Mary Cunningham	5/8/13	1600		LIVESAY	5/8/13	1600
2		LIVESAY	5/8/13	16:50		L.D. Imbal	5-8-13	1650

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____°C Page ____ of ____

Log In By: _____ Date: 5/8/13 Log In Reviewed By: _____ Date: _____

Matthew C. Sutton
The Source Group, Inc
3478 Buskirk Avenue, Suite 100
Pleasant Hill, California 94523
Tel: 925.951.6386
Fax: 925.944.2859
Email: msutton@thesourcegroup.net

RE:

Work Order No.: 1305039 Rev: 1

Dear Matthew Sutton:

Torrent Laboratory, Inc. received 3 sample(s) on May 08, 2013 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti Sandrock
QA Officer

June 28, 2013
Date

Date: 6/28/2013

Client: The Source Group, Inc

Project:

Work Order: 1305039

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

REVISIONS:

Per client request, an investigation into conflicting results between two sample events was initiated. After a thorough investigation it was determined that an error regarding sample volume analyzed was reported for samples -001 and -003. Dilution factors of 50X were applied to samples that were actually analyzed at no dilution resulting in elevated detections of reported compounds. A Corrective Action has been generated to determine root cause and to provide QC steps to ensure the same error does not re-occur. The report will be made available upon client request.

The reported is revised to reflect the correct detections, reporting limits and dilution factors.

Rev 1 (6/28/13)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Subslab 2 1305039-001A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	2.5	0.013	0.013	2.3
1,1-Dichloroethene	ETO15	1	0.61	2.0	44.0
Acetone	ETO15	1	0.88	19	36.2
Hexane	ETO15	1	0.53	1.8	153
tert-Butanol	ETO15	1	0.91	8.4	51.2
Carbon Tetrachloride	ETO15	1	0.86	3.2	11.1
1,1,1-Trichloroethane	ETO15	1	0.85	2.8	84.1
Benzene	ETO15	1	0.69	1.6	56.1
Toluene	ETO15	1	0.95	1.9	58.6
Tetrachloroethylene	ETO15	1	0.91	3.4	17.0
Ethyl Benzene	ETO15	1	0.99	2.2	51.9
m,p-Xylene	ETO15	1	1.6	4.3	12.2
o-Xylene	ETO15	1	0.81	2.2	105
Styrene	ETO15	1	0.69	2.2	4.09
4-Ethyl Toluene	ETO15	1	0.82	2.5	79.2
1,3,5-Trimethylbenzene	ETO15	1	0.76	2.5	152
1,2,4-Trimethylbenzene	ETO15	1	0.69	2.5	40.0

Subslab 1 1305039-002A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Acetone	ETO15	1.5	1.3	29	5.22
2-Butanone (MEK)	ETO15	1.5	0.94	2.3	1.17
Ethyl Acetate	ETO15	1.5	1.1	2.7	1.40
Helium	D1946	6	0.030	0.030	4.0

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Subslab 3 1305039-003A

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1,1-Trichloroethane	ETO15	1	0.85	2.8	94.9
2-Butanone (MEK)	ETO15	1	0.63	1.5	1.68
Ethyl Acetate	ETO15	1	0.74	1.8	2.02
Trichloroethylene	ETO15	1	1.4	5.4	103
Tetrachloroethylene	ETO15	1	0.91	3.4	27.2
4-Ethyl Toluene	ETO15	1	0.82	2.5	3.82
1,3,5-Trimethylbenzene	ETO15	1	0.76	2.5	9.31
1,2,4-Trimethylbenzene	ETO15	1	0.69	2.5	3.23
Helium	D1946	75	0.38	0.38	29

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 2	**Lab Sample ID:**	1305039-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:23	**Certified Clean WO # :**	
Canister/Tube ID:	A7552	**Received PSI :**	13.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/09/13	1	1.5	5.0	ND	ND		415444	NA
1,1-Difluoroethane	ETO15	NA	05/09/13	1	0.50	1.4	ND	ND		415444	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/09/13	1	4.9	14	ND	ND		415444	NA
Chloromethane	ETO15	NA	05/09/13	1	0.32	1.1	ND	ND		415444	NA
Vinyl Chloride	ETO15	NA	05/09/13	1	0.67	2.6	ND	ND		415444	NA
1,3-Butadiene	ETO15	NA	05/09/13	1	0.45	1.1	ND	ND		415444	NA
Bromomethane	ETO15	NA	05/09/13	1	0.72	2.0	ND	ND		415444	NA
Chloroethane	ETO15	NA	05/09/13	1	0.50	1.3	ND	ND		415444	NA
Trichlorofluoromethane	ETO15	NA	05/09/13	1	1.8	5.6	ND	ND		415444	NA
1,1-Dichloroethene	ETO15	NA	05/09/13	1	0.61	2.0	44.0	11.00		415444	NA
Freon 113	ETO15	NA	05/09/13	1	0.85	3.9	ND	ND		415444	NA
Carbon Disulfide	ETO15	NA	05/09/13	1	0.81	3.1	ND	ND		415444	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/09/13	1	0.97	20	ND	ND		415444	NA
Methylene Chloride	ETO15	NA	05/09/13	1	0.58	28	ND	ND		415444	NA
Acetone	ETO15	NA	05/09/13	1	0.88	19	36.2	15.08		415444	NA
trans-1,2-Dichloroethene	ETO15	NA	05/09/13	1	0.64	2.0	ND	ND		415444	NA
Hexane	ETO15	NA	05/09/13	1	0.53	1.8	153	43.71		415444	NA
MTBE	ETO15	NA	05/09/13	1	0.87	1.8	ND	ND		415444	NA
tert-Butanol	ETO15	NA	05/09/13	1	0.91	8.4	51.2	12.19		415444	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/09/13	1	0.88	2.1	ND	ND		415444	NA
1,1-Dichloroethane	ETO15	NA	05/09/13	1	0.75	2.1	ND	ND		415444	NA
ETBE	ETO15	NA	05/09/13	1	0.68	2.1	ND	ND		415444	NA
cis-1,2-Dichloroethene	ETO15	NA	05/09/13	1	0.54	2.0	ND	ND		415444	NA
Chloroform	ETO15	NA	05/09/13	1	1.2	4.9	ND	ND		415444	NA
Vinyl Acetate	ETO15	NA	05/09/13	1	0.57	1.8	ND	ND		415444	NA
Carbon Tetrachloride	ETO15	NA	05/09/13	1	0.86	3.2	11.1	1.76		415444	NA
1,1,1-Trichloroethane	ETO15	NA	05/09/13	1	0.85	2.8	84.1	15.29		415444	NA
2-Butanone (MEK)	ETO15	NA	05/09/13	1	0.63	1.5	ND	ND		415444	NA
Ethyl Acetate	ETO15	NA	05/09/13	1	0.74	1.8	ND	ND		415444	NA
Tetrahydrofuran	ETO15	NA	05/09/13	1	0.30	1.5	ND	ND		415444	NA
Benzene	ETO15	NA	05/09/13	1	0.69	1.6	56.1	17.53		415444	NA
TAME	ETO15	NA	05/09/13	1	0.36	2.1	ND	ND		415444	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/09/13	1	0.99	2.1	ND	ND		415444	NA
Trichloroethylene	ETO15	NA	05/09/13	1	1.4	5.4	ND	ND		415444	NA
1,2-Dichloropropane	ETO15	NA	05/09/13	1	1.3	4.6	ND	ND		415444	NA
Bromodichloromethane	ETO15	NA	05/09/13	1	0.89	3.4	ND	ND		415444	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 2	**Lab Sample ID:**	1305039-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:23	**Certified Clean WO # :**	
Canister/Tube ID:	A7552	**Received PSI :**	13.5
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/09/13	1	1.2	3.6	ND	ND		415444	NA
trans-1,3-Dichloropropene	ETO15	NA	05/09/13	1	0.87	2.3	ND	ND		415444	NA
Toluene	ETO15	NA	05/09/13	1	0.95	1.9	58.6	15.42		415444	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/09/13	1	0.85	2.1	ND	ND		415444	NA
cis-1,3-Dichloropropene	ETO15	NA	05/09/13	1	1.1	2.3	ND	ND		415444	NA
Tetrachloroethylene	ETO15	NA	05/09/13	1	0.91	3.4	17.0	2.50		415444	NA
1,1,2-Trichloroethane	ETO15	NA	05/09/13	1	0.93	2.8	ND	ND		415444	NA
Dibromochloromethane	ETO15	NA	05/09/13	1	1.7	4.3	ND	ND		415444	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/09/13	1	2.0	7.7	ND	ND		415444	NA
2-Hexanone	ETO15	NA	05/09/13	1	1.1	4.1	ND	ND		415444	NA
Ethyl Benzene	ETO15	NA	05/09/13	1	0.99	2.2	51.9	12.07		415444	NA
Chlorobenzene	ETO15	NA	05/09/13	1	0.71	2.3	ND	ND		415444	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/09/13	1	1.0	3.5	ND	ND		415444	NA
m,p-Xylene	ETO15	NA	05/09/13	1	1.6	4.3	12.2	2.84		415444	NA
o-Xylene	ETO15	NA	05/09/13	1	0.81	2.2	105	24.42		415444	NA
Styrene	ETO15	NA	05/09/13	1	0.69	2.2	4.09	0.93		415444	NA
Bromoform	ETO15	NA	05/09/13	1	1.1	5.0	ND	ND		415444	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/09/13	1	0.70	3.5	ND	ND		415444	NA
4-Ethyl Toluene	ETO15	NA	05/09/13	1	0.82	2.5	79.2	16.16		415444	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/09/13	1	0.76	2.5	152	31.02		415444	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/09/13	1	0.69	2.5	40.0	8.16		415444	NA
1,4-Dichlorobenzene	ETO15	NA	05/09/13	1	0.65	3.0	ND	ND		415444	NA
1,3-Dichlorobenzene	ETO15	NA	05/09/13	1	0.84	3.0	ND	ND		415444	NA
1,2-Dichlorobenzene	ETO15	NA	05/09/13	1	0.91	3.0	ND	ND		415444	NA
Hexachlorobutadiene	ETO15	NA	05/09/13	1	2.4	5.5	ND	ND		415444	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/09/13	1	3.4	7.4	ND	ND		415444	NA
Naphthalene	ETO15	NA	05/09/13	1	1.5	5.2	ND	ND		415444	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/09/13	1	65	135	94.4 %			415444	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/14/13	2.5	0.013	0.013	2.3			415451	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 1	**Lab Sample ID:**	1305039-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:56	**Certified Clean WO # :**	
Canister/Tube ID:	6337	**Received PSI :**	6.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	ETO15	NA	05/13/13	1.5	2.3	7.5	ND	ND		415441	NA
1,1-Difluoroethane	ETO15	NA	05/13/13	1.5	0.75	2.0	ND	ND		415441	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/13/13	1.5	7.4	21	ND	ND		415441	NA
Chloromethane	ETO15	NA	05/13/13	1.5	0.48	1.6	ND	ND		415441	NA
Vinyl Chloride	ETO15	NA	05/13/13	1.5	1.0	3.9	ND	ND		415441	NA
1,3-Butadiene	ETO15	NA	05/13/13	1.5	0.67	1.7	ND	ND		415441	NA
Bromomethane	ETO15	NA	05/13/13	1.5	1.1	2.9	ND	ND		415441	NA
Chloroethane	ETO15	NA	05/13/13	1.5	0.75	2.0	ND	ND		415441	NA
Trichlorofluoromethane	ETO15	NA	05/13/13	1.5	2.7	8.4	ND	ND		415441	NA
1,1-Dichloroethene	ETO15	NA	05/13/13	1.5	0.92	3.0	ND	ND		415441	NA
Freon 113	ETO15	NA	05/13/13	1.5	1.3	5.8	ND	ND		415441	NA
Carbon Disulfide	ETO15	NA	05/13/13	1.5	1.2	4.7	ND	ND		415441	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/13/13	1.5	1.5	30	ND	ND		415441	NA
Methylene Chloride	ETO15	NA	05/13/13	1.5	0.88	42	ND	ND		415441	NA
Acetone	ETO15	NA	05/13/13	1.5	1.3	29	5.22	2.18	J	415441	NA
trans-1,2-Dichloroethene	ETO15	NA	05/13/13	1.5	0.96	3.0	ND	ND		415441	NA
Hexane	ETO15	NA	05/13/13	1.5	0.79	2.6	ND	ND		415441	NA
MTBE	ETO15	NA	05/13/13	1.5	1.3	2.7	ND	ND		415441	NA
tert-Butanol	ETO15	NA	05/13/13	1.5	1.4	13	ND	ND		415441	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/13/13	1.5	1.3	3.2	ND	ND		415441	NA
1,1-Dichloroethane	ETO15	NA	05/13/13	1.5	1.1	3.1	ND	ND		415441	NA
ETBE	ETO15	NA	05/13/13	1.5	1.0	3.2	ND	ND		415441	NA
cis-1,2-Dichloroethene	ETO15	NA	05/13/13	1.5	0.81	3.0	ND	ND		415441	NA
Chloroform	ETO15	NA	05/13/13	1.5	1.8	7.4	ND	ND		415441	NA
Vinyl Acetate	ETO15	NA	05/13/13	1.5	0.85	2.6	ND	ND		415441	NA
Carbon Tetrachloride	ETO15	NA	05/13/13	1.5	1.3	4.7	ND	ND		415441	NA
1,1,1-Trichloroethane	ETO15	NA	05/13/13	1.5	1.3	4.1	ND	ND		415441	NA
2-Butanone (MEK)	ETO15	NA	05/13/13	1.5	0.94	2.3	1.17	0.39	J	415441	NA
Ethyl Acetate	ETO15	NA	05/13/13	1.5	1.1	2.7	1.40	0.39	J	415441	NA
Tetrahydrofuran	ETO15	NA	05/13/13	1.5	0.45	2.3	ND	ND		415441	NA
Benzene	ETO15	NA	05/13/13	1.5	1.0	2.4	ND	ND		415441	NA
TAME	ETO15	NA	05/13/13	1.5	0.54	3.2	ND	ND		415441	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/13/13	1.5	1.5	3.1	ND	ND		415441	NA
Trichloroethylene	ETO15	NA	05/13/13	1.5	2.1	8.1	ND	ND		415441	NA
1,2-Dichloropropane	ETO15	NA	05/13/13	1.5	2.0	6.9	ND	ND		415441	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 1	**Lab Sample ID:**	1305039-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:56	**Certified Clean WO # :**	
Canister/Tube ID:	6337	**Received PSI :**	6.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	05/13/13	1.5	1.3	5.0	ND	ND		415441	NA
1,4-Dioxane	ETO15	NA	05/13/13	1.5	1.9	5.4	ND	ND		415441	NA
trans-1,3-Dichloropropene	ETO15	NA	05/13/13	1.5	1.3	3.4	ND	ND		415441	NA
Toluene	ETO15	NA	05/13/13	1.5	1.4	2.9	ND	ND		415441	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/13/13	1.5	1.3	3.1	ND	ND		415441	NA
cis-1,3-Dichloropropene	ETO15	NA	05/13/13	1.5	1.7	3.4	ND	ND		415441	NA
Tetrachloroethylene	ETO15	NA	05/13/13	1.5	1.4	5.1	ND	ND		415441	NA
1,1,2-Trichloroethane	ETO15	NA	05/13/13	1.5	1.4	4.1	ND	ND		415441	NA
Dibromochloromethane	ETO15	NA	05/13/13	1.5	2.6	6.4	ND	ND		415441	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/13/13	1.5	3.1	12	ND	ND		415441	NA

NOTE: Reporting limit increased due to low initial pressure in canister.

The results shown below are reported using their MDL.

2-Hexanone	ETO15	NA	05/13/13	1.5	1.7	6.2	ND	ND		415441	NA
Ethyl Benzene	ETO15	NA	05/13/13	1.5	1.5	3.2	ND	ND		415441	NA
Chlorobenzene	ETO15	NA	05/13/13	1.5	1.1	3.5	ND	ND		415441	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/13/13	1.5	1.6	5.2	ND	ND		415441	NA
m,p-Xylene	ETO15	NA	05/13/13	1.5	2.4	6.5	ND	ND		415441	NA
o-Xylene	ETO15	NA	05/13/13	1.5	1.2	3.2	ND	ND		415441	NA
Styrene	ETO15	NA	05/13/13	1.5	1.0	3.3	ND	ND		415441	NA
Bromoform	ETO15	NA	05/13/13	1.5	1.7	7.5	ND	ND		415441	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/13/13	1.5	1.1	5.2	ND	ND		415441	NA
4-Ethyl Toluene	ETO15	NA	05/13/13	1.5	1.2	3.7	ND	ND		415441	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/13/13	1.5	1.1	3.7	ND	ND		415441	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/13/13	1.5	1.0	3.7	ND	ND		415441	NA
1,4-Dichlorobenzene	ETO15	NA	05/13/13	1.5	0.97	4.5	ND	ND		415441	NA
1,3-Dichlorobenzene	ETO15	NA	05/13/13	1.5	1.3	4.5	ND	ND		415441	NA
1,2-Dichlorobenzene	ETO15	NA	05/13/13	1.5	1.4	4.5	ND	ND		415441	NA
Hexachlorobutadiene	ETO15	NA	05/13/13	1.5	3.6	8.3	ND	ND		415441	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/13/13	1.5	5.1	11	ND	ND		415441	NA
Naphthalene	ETO15	NA	05/13/13	1.5	2.2	7.8	ND	ND		415441	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/13/13	1.5	65	135	95.7 %			415441	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 1	**Lab Sample ID:**	1305039-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 8:56	**Certified Clean WO # :**	
Canister/Tube ID:	6337	**Received PSI :**	6.9
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/14/13	6	0.030	0.030	4.0			415451	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 3	**Lab Sample ID:**	1305039-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 9:38	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	12.2
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	05/09/13	1	1.5	5.0	ND	ND		415444	NA
1,1-Difluoroethane	ETO15	NA	05/09/13	1	0.50	1.4	ND	ND		415444	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	05/09/13	1	4.9	14	ND	ND		415444	NA
Chloromethane	ETO15	NA	05/09/13	1	0.32	1.1	ND	ND		415444	NA
Vinyl Chloride	ETO15	NA	05/09/13	1	0.67	2.6	ND	ND		415444	NA
1,3-Butadiene	ETO15	NA	05/09/13	1	0.45	1.1	ND	ND		415444	NA
Bromomethane	ETO15	NA	05/09/13	1	0.72	2.0	ND	ND		415444	NA
Chloroethane	ETO15	NA	05/09/13	1	0.50	1.3	ND	ND		415444	NA
Trichlorofluoromethane	ETO15	NA	05/09/13	1	1.8	5.6	ND	ND		415444	NA
1,1-Dichloroethene	ETO15	NA	05/09/13	1	0.61	2.0	ND	ND		415444	NA
Freon 113	ETO15	NA	05/09/13	1	0.85	3.9	ND	ND		415444	NA
Carbon Disulfide	ETO15	NA	05/09/13	1	0.81	3.1	ND	ND		415444	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	05/09/13	1	0.97	20	ND	ND		415444	NA
Methylene Chloride	ETO15	NA	05/09/13	1	0.58	28	ND	ND		415444	NA
Acetone	ETO15	NA	05/09/13	1	0.88	19	ND	ND		415444	NA
trans-1,2-Dichloroethene	ETO15	NA	05/09/13	1	0.64	2.0	ND	ND		415444	NA
Hexane	ETO15	NA	05/09/13	1	0.53	1.8	ND	ND		415444	NA
MTBE	ETO15	NA	05/09/13	1	0.87	1.8	ND	ND		415444	NA
tert-Butanol	ETO15	NA	05/09/13	1	0.91	8.4	ND	ND		415444	NA
Diisopropyl ether (DIPE)	ETO15	NA	05/09/13	1	0.88	2.1	ND	ND		415444	NA
1,1-Dichloroethane	ETO15	NA	05/09/13	1	0.75	2.1	ND	ND		415444	NA
ETBE	ETO15	NA	05/09/13	1	0.68	2.1	ND	ND		415444	NA
cis-1,2-Dichloroethene	ETO15	NA	05/09/13	1	0.54	2.0	ND	ND		415444	NA
Chloroform	ETO15	NA	05/09/13	1	1.2	4.9	ND	ND		415444	NA
Vinyl Acetate	ETO15	NA	05/09/13	1	0.57	1.8	ND	ND		415444	NA
Carbon Tetrachloride	ETO15	NA	05/09/13	1	0.86	3.2	ND	ND		415444	NA
1,1,1-Trichloroethane	ETO15	NA	05/09/13	1	0.85	2.8	94.9	17.25		415444	NA
2-Butanone (MEK)	ETO15	NA	05/09/13	1	0.63	1.5	1.68	0.56		415444	NA
Ethyl Acetate	ETO15	NA	05/09/13	1	0.74	1.8	2.02	0.56		415444	NA
Tetrahydrofuran	ETO15	NA	05/09/13	1	0.30	1.5	ND	ND		415444	NA
Benzene	ETO15	NA	05/09/13	1	0.69	1.6	ND	ND		415444	NA
TAME	ETO15	NA	05/09/13	1	0.36	2.1	ND	ND		415444	NA
1,2-Dichloroethane (EDC)	ETO15	NA	05/09/13	1	0.99	2.1	ND	ND		415444	NA
Trichloroethylene	ETO15	NA	05/09/13	1	1.4	5.4	103	19.07		415444	NA
1,2-Dichloropropane	ETO15	NA	05/09/13	1	1.3	4.6	ND	ND		415444	NA
Bromodichloromethane	ETO15	NA	05/09/13	1	0.89	3.4	ND	ND		415444	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Matthew Sutton
The Source Group, Inc

Date Received: 05/08/13
Date Reported: 06/28/13

Client Sample ID:	Subslab 3	**Lab Sample ID:**	1305039-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:			
Date/Time Sampled:	05/08/13 / 9:38	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	12.2
Collection Volume (L):	0.00	**Corrected PSI :**	0.0

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	05/09/13	1	1.2	3.6	ND	ND		415444	NA
trans-1,3-Dichloropropene	ETO15	NA	05/09/13	1	0.87	2.3	ND	ND		415444	NA
Toluene	ETO15	NA	05/09/13	1	0.95	1.9	ND	ND		415444	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	05/09/13	1	0.85	2.1	ND	ND		415444	NA
cis-1,3-Dichloropropene	ETO15	NA	05/09/13	1	1.1	2.3	ND	ND		415444	NA
Tetrachloroethylene	ETO15	NA	05/09/13	1	0.91	3.4	27.2	4.00		415444	NA
1,1,2-Trichloroethane	ETO15	NA	05/09/13	1	0.93	2.8	ND	ND		415444	NA
Dibromochloromethane	ETO15	NA	05/09/13	1	1.7	4.3	ND	ND		415444	NA
1,2-Dibromoethane (EDB)	ETO15	NA	05/09/13	1	2.0	7.7	ND	ND		415444	NA
2-Hexanone	ETO15	NA	05/09/13	1	1.1	4.1	ND	ND		415444	NA
Ethyl Benzene	ETO15	NA	05/09/13	1	0.99	2.2	ND	ND		415444	NA
Chlorobenzene	ETO15	NA	05/09/13	1	0.71	2.3	ND	ND		415444	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	05/09/13	1	1.0	3.5	ND	ND		415444	NA
m,p-Xylene	ETO15	NA	05/09/13	1	1.6	4.3	ND	ND		415444	NA
o-Xylene	ETO15	NA	05/09/13	1	0.81	2.2	ND	ND		415444	NA
Styrene	ETO15	NA	05/09/13	1	0.69	2.2	ND	ND		415444	NA
Bromoform	ETO15	NA	05/09/13	1	1.1	5.0	ND	ND		415444	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	05/09/13	1	0.70	3.5	ND	ND		415444	NA
4-Ethyl Toluene	ETO15	NA	05/09/13	1	0.82	2.5	3.82	0.78		415444	NA
1,3,5-Trimethylbenzene	ETO15	NA	05/09/13	1	0.76	2.5	9.31	1.90		415444	NA
1,2,4-Trimethylbenzene	ETO15	NA	05/09/13	1	0.69	2.5	3.23	0.66		415444	NA
1,4-Dichlorobenzene	ETO15	NA	05/09/13	1	0.65	3.0	ND	ND		415444	NA
1,3-Dichlorobenzene	ETO15	NA	05/09/13	1	0.84	3.0	ND	ND		415444	NA
1,2-Dichlorobenzene	ETO15	NA	05/09/13	1	0.91	3.0	ND	ND		415444	NA
Hexachlorobutadiene	ETO15	NA	05/09/13	1	2.4	5.5	ND	ND		415444	NA
1,2,4-Trichlorobenzene	ETO15	NA	05/09/13	1	3.4	7.4	ND	ND		415444	NA
Naphthalene	ETO15	NA	05/09/13	1	1.5	5.2	ND	ND		415444	NA
(S) 4-Bromofluorobenzene	ETO15	NA	05/09/13	1	65	135	97.4 %			415444	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL %	Results %	Results ppmv	Lab Qualifier	Analytical Batch	Prep Batch
Helium	D1946	NA	05/14/13	75	0.38	0.38	29			415451	NA

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/13/13	**Analytical Batch:**	415441
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.30	1.00	ND	
1,1-Difluoroethane	0.18	10.0	ND	
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND	
Chloromethane	0.15	0.500	ND	
Vinyl Chloride	0.26	1.00	ND	
1,3-Butadiene	0.20	0.500	ND	
Bromomethane	0.18	0.500	ND	
Chloroethane	0.19	0.500	ND	
Trichlorofluoromethane	0.32	1.00	ND	
1,1-Dichloroethene	0.15	0.500	ND	
Freon 113	0.11	0.500	ND	
Carbon Disulfide	0.26	1.00	ND	
2-Propanol (Isopropyl Alcohol)	0.39	8.00	0.530	
Methylene Chloride	0.17	8.00	ND	
Acetone	0.37	8.00	0.450	
trans-1,2-Dichloroethene	0.16	0.500	ND	
Hexane	0.15	0.500	ND	
MTBE	0.24	0.500	ND	
tert-Butanol	0.22	2.00	ND	
Diisopropyl ether (DIPE)	0.21	0.500	ND	
1,1-Dichloroethane	0.18	0.500	ND	
ETBE	0.16	0.500	ND	
cis-1,2-Dichloroethene	0.13	0.500	ND	
Chloroform	0.25	1.00	ND	
Vinyl Acetate	0.16	0.500	ND	
Carbon Tetrachloride	0.14	0.500	ND	
1,1,1-Trichloroethane	0.15	0.500	ND	
2-Butanone (MEK)	0.21	0.500	ND	
Ethyl Acetate	0.21	0.500	ND	
Tetrahydrofuran	0.10	0.500	ND	
Benzene	0.21	0.500	ND	
TAME	0.086	0.500	ND	
1,2-Dichloroethane (EDC)	0.24	0.500	ND	
Trichloroethylene	0.26	1.00	ND	
1,2-Dichloropropane	0.29	1.00	ND	
Bromodichloromethane	0.13	0.500	ND	
1,4-Dioxane	0.35	1.00	ND	
trans-1,3-Dichloropropene	0.19	0.500	ND	
Toluene	0.25	0.500	ND	
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND	
cis-1,3-Dichloropropene	0.25	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/13/13	**Analytical Batch:**	415441
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Tetrachloroethylene	0.13	0.500	ND		
1,1,2-Trichloroethane	0.17	0.500	ND		
Dibromochloromethane	0.20	0.500	ND		
1,2-Dibromoethane (EDB)	0.27	1.00	ND		
2-Hexanone	0.27	1.00	ND		
Ethyl Benzene	0.23	0.500	ND		
Chlorobenzene	0.15	0.500	ND		
1,1,1,2-Tetrachloroethane	0.15	0.500	ND		
m,p-Xylene	0.38	1.00	ND		
o-Xylene	0.19	0.500	ND		
Styrene	0.16	0.500	ND		
Bromoform	0.11	0.500	ND		
1,1,2,2-Tetrachloroethane	0.10	0.500	ND		
4-Ethyl Toluene	0.17	0.500	ND		
1,3,5-Trimethylbenzene	0.15	0.500	ND		
1,2,4-Trimethylbenzene	0.14	0.500	ND		
1,4-Dichlorobenzene	0.11	0.500	ND		
1,3-Dichlorobenzene	0.14	0.500	ND		
1,2-Dichlorobenzene	0.15	0.500	ND		
Hexachlorobutadiene	0.22	0.500	ND		
1,2,4-Trichlorobenzene	0.46	1.00	ND		
Naphthalene	0.28	1.00	ND		
(S) 4-Bromofluorobenzene			106		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/09/13	**Analytical Batch:**	415444
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.30	1.00	ND	
1,1-Difluoroethane	0.18	10.0	ND	
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND	
Chloromethane	0.15	0.500	ND	
Vinyl Chloride	0.26	1.00	ND	
1,3-Butadiene	0.20	0.500	ND	
Bromomethane	0.18	0.500	ND	
Chloroethane	0.19	0.500	ND	
Trichlorofluoromethane	0.32	1.00	ND	
1,1-Dichloroethene	0.15	0.500	ND	
Freon 113	0.11	0.500	ND	
Carbon Disulfide	0.26	1.00	ND	
2-Propanol (Isopropyl Alcohol)	0.39	8.00	ND	
Methylene Chloride	0.17	8.00	ND	
Acetone	0.37	8.00	0.370	
trans-1,2-Dichloroethene	0.16	0.500	ND	
Hexane	0.15	0.500	ND	
MTBE	0.24	0.500	ND	
tert-Butanol	0.22	2.00	ND	
Diisopropyl ether (DIPE)	0.21	0.500	ND	
1,1-Dichloroethane	0.18	0.500	ND	
ETBE	0.16	0.500	ND	
cis-1,2-Dichloroethene	0.13	0.500	ND	
Chloroform	0.25	1.00	ND	
Vinyl Acetate	0.16	0.500	ND	
Carbon Tetrachloride	0.14	0.500	ND	
1,1,1-Trichloroethane	0.15	0.500	ND	
2-Butanone (MEK)	0.21	0.500	ND	
Ethyl Acetate	0.21	0.500	ND	
Tetrahydrofuran	0.10	0.500	ND	
Benzene	0.21	0.500	ND	
TAME	0.086	0.500	ND	
1,2-Dichloroethane (EDC)	0.24	0.500	ND	
Trichloroethylene	0.26	1.00	ND	
1,2-Dichloropropane	0.29	1.00	ND	
Bromodichloromethane	0.13	0.500	ND	
1,4-Dioxane	0.35	1.00	ND	
trans-1,3-Dichloropropene	0.19	0.500	ND	
Toluene	0.25	0.500	ND	
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND	
cis-1,3-Dichloropropene	0.25	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/09/13	**Analytical Batch:**	415444
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Tetrachloroethylene	0.13	0.500	ND	
1,1,2-Trichloroethane	0.17	0.500	ND	
Dibromochloromethane	0.20	0.500	ND	
1,2-Dibromoethane (EDB)	0.27	1.00	ND	
2-Hexanone	0.27	1.00	ND	
Ethyl Benzene	0.23	0.500	ND	
Chlorobenzene	0.15	0.500	ND	
1,1,1,2-Tetrachloroethane	0.15	0.500	ND	
m,p-Xylene	0.38	1.00	ND	
o-Xylene	0.19	0.500	ND	
Styrene	0.16	0.500	ND	
Bromoform	0.11	0.500	ND	
1,1,2,2-Tetrachloroethane	0.10	0.500	ND	
4-Ethyl Toluene	0.17	0.500	ND	
1,3,5-Trimethylbenzene	0.15	0.500	ND	
1,2,4-Trimethylbenzene	0.14	0.500	ND	
1,4-Dichlorobenzene	0.11	0.500	ND	
1,3-Dichlorobenzene	0.14	0.500	ND	
1,2-Dichlorobenzene	0.15	0.500	ND	
Hexachlorobutadiene	0.22	0.500	ND	
1,2,4-Trichlorobenzene	0.46	1.00	ND	
Naphthalene	0.28	1.00	ND	
(S) 4-Bromofluorobenzene			102	

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	05/14/13	**Analytical Batch:**	415451
Units:	%						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	0.0050	0.0050	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/13/13	**Analytical Batch:**	415441
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.15	0.500	ND	20	97.5	98.2	0.716	65 - 135	30	
Benzene	0.21	0.500	ND	20	92.2	90.2	2.14	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	20	96.6	96.1	0.467	65 - 135	30	
Toluene	0.25	0.500	ND	20	98.0	101	2.67	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	20	88.9	88.0	0.961	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	20	70.0	90.0		65 - 135		

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	05/09/13	**Analytical Batch:**	415444
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.15	0.500	ND	20	112	102	9.47	65 - 135	30	
Benzene	0.21	0.500	ND	20	107	98.1	8.26	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	20	115	119	3.42	65 - 135	30	
Toluene	0.25	0.500	ND	20	109	114	4.58	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	20	100	97.5	2.63	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	20	90.0	90.0		65 - 135		

Work Order:	1305039	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	05/14/13	**Analytical Batch:**	415451
Units:	%						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	0.0050	0.0050	ND	1000	84.1	103	19.8	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: The Source Group, Inc

Project Name:

Work Order No.: 1305039

Date and Time Received: 5/8/2013 16:50

Received By: LDI

Physically Logged By: LDI

Checklist Completed By: LDI

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes		
Container/Temp Blank temperature in compliance?	Yes	Temperature:	°C
Water-VOA vials have zero headspace?	No VOA vials submitted		
Water-pH acceptable upon receipt?	N/A		

pH Checked by: N/A

pH Adjusted by: N/A

Air samples received at ambient temperature.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1305039

Company Name: The Saurce Group, Inc | ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling:

Address: 3478 Buskirk Ave Suite 100 | Purpose:

City: Pleasant Hill | State: CA | Zip Code: 94523 | Special Instructions / Comments:

Telephone: 925-944-2856 | FAX: 925-944-2859 | 01-FP-01

REPORT TO: Matt Sutton | SAMPLER: M Cunningham | P.O. #: | EMAIL: msutton@thesaurcegroup.net

TURNAROUND TIME:
☒ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☒ Air
☐ Waste Water ☐ Other
☐ Ground Water
☐ Soil

REPORT FORMAT:
☒ QC Level IV
☒ EDF
☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TO-15 (VOCs)	He ASTM D1946	REMARKS
001A	A7552	subslab2	5/8/13 0823	Vapor	1	1L SUMMA	✓	✓	
002A	6337	subslab1	5/8/13 0856	↓	↓	↓	✓	✓	
003A	A7481	subslab3	5/8/13 0938	↓	↓	↓	✓	✓	

TORRENT LAB

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Mary Cunningham	5/8/13	1600		LIVESAY	5/8/13	1600
2		LIVESAY	5/8/13	16:50		L.D. Imbal	5-8-13	1650

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____°C Page ____ of ____

Log In By: _____ Date: 5/8/13 Log In Reviewed By: _____ Date: _____